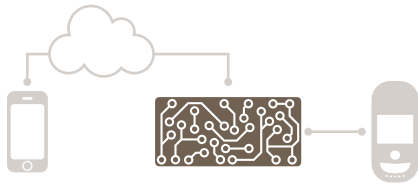




Paradox *Insight*[™]

Designed for your lifestyle

EVOHD



Programming Guide

Version 1.11

P ▲ R ▲ D O X[™]



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Warranty

For complete warranty information on this product please refer to the Limited Warranty Statement found on our Web site: www.paradox.com. Your use of this Paradox product signifies your acceptance of all warranty terms and conditions.

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Limitations of Alarm Systems

It must be understood that while your Paradox alarm system is highly advanced and secure, it does not offer any guaranteed protection against burglary, fire or other emergency (fire and emergency options are only available on certain Paradox models). This is due to a number of reasons, including by not limited to inadequate or improper installation/positioning, sensor limitations, battery performance, wireless signal interruption, inadequate maintenance or the potential for the system or telephone lines to be compromised or circumvented. As a result, Paradox does not represent that the alarm system will prevent personal injury or property damage, or in all cases provide adequate warning or protection.

Your security system should therefore be considered as one of many tools available to reduce risk and/or damage of burglary, fire or other emergencies, such other tools include but are not limited to insurance coverage, fire prevention and extinguish devices, and sprinkler systems.

We also strongly recommend that you regularly maintain your security systems and stay aware of new and improved Paradox products and developments.

Warning for Connections to Non-Traditional Telephony (e.g., VoIP)

Paradox alarm equipment was designed to work effectively around traditional telephone systems. For those customers who are using a Paradox alarm panel connected to a non-traditional telephone system, such as Voice Over Internet Protocol (VoIP) that converts the voice signal from your telephone to a digital signal traveling over the Internet, you should be aware that your alarm system may not function as effectively as with traditional telephone systems.

For example, if your VoIP equipment has no battery back-up, during a power failure your system's ability to transmit signals to the central station may be compromised. Or, if your VoIP connection becomes disabled, your telephone line monitoring feature may also be compromised. Other concerns would include, without limitation, Internet connection failures which may be more frequent than regular telephone line outages.

We therefore strongly recommend that you discuss these and other limitations involved with operating an alarm system on a VoIP or other non-traditional telephone system with your installation company. They should be able to offer or recommend measures to reduce the risks involved and give you a better understanding.

Things You Need to Know

About this Programming Guide

Use this programming guide to record programmed settings for your Digiplex EVOHD control panel. This guide should be used along with the *Digiplex EVOHD Reference and Installation Manual* (available online only) whenever installing or programming your Digiplex EVOHD system.

Conventions

The following typographical conventions are used throughout this guide:

| | |
|--|---------------------------------------|
| Section numbers appear in bold typeface, enclosed by brackets: e.g., <i>Enter a section number between [0501]...</i> | WARNING: Important information |
| Keypad keys and control panel labels appear in small caps, bold typeface: e.g., <i>Press 0, and then ENTER to clear a zone's serial number...</i> | NOTE: Suggestion or reminder |
| Default Settings: Values which appear in bold typeface and/or are preceded by the symbol ▲, signify the default value: e.g., User code length: <input type="checkbox"/> 6 digits <input checked="" type="checkbox"/> 4 digits (4 digits is the default value) | |

Installer Code

The default installer code is **000000**. This code allows you to enter programming mode, where you can program all features, options, and commands of your EVOHD control panel. To change the installer code, see *Installer Code Programming* on page 30.

System Master Code

The default system master code is **1234** or **123456**. This code allows you to use any arming method, as well as program user codes. This code can be either four or six digits long.

Panel Reset

Performing a panel reset will reset all panel settings to their preset, default values, or custom settings (if already programmed).

To perform a panel reset:

1. Press and hold the panel's reset button until the status LED flashes fast (5 seconds).
2. Release the reset button, and then push it once more, within two seconds, or refer to *Software Reset* on page 56.

Entering Programming Mode

To enter programming mode, proceed as follows:

1. Press and hold the **0** key.
2. Enter your installer code (default is **000000**). See *Installer Code* for details.
3. Enter the four-digit section you wish to program.
4. Enter the required data and record your settings using the worksheets included in this guide.

EN 50131 Compliancy

To have your EVOHD panel compliant with EN 50131 standards, see Appendix A.

Decimal and Hexadecimal Programming Table

Certain sections may require the entry of one or more hexadecimal values from 0 to F.


K641/K641+/K641R/K641LX Keypads

Table 1: Decimal and hexadecimal values using the K641, K641+, K641R, or K641LX keypads

| Key | Value or Action |
|---------------|--|
| 0 to 9 | 0 to 9 (hex and decimal) |
| STAY | A (hex only) |
| FORCE | B (hex only) |
| ARM | C (hex only) |
| DISARM | D (hex only) |
| BYP | E (hex only) |
| MEM | F (hex only) |
| CLEAR | Exit section without saving (hex and decimal) |
| ENTER | Save current data and advance to next section (hex only) |

K656 Keypad

Table 2: Decimal and hexadecimal values using the k656 keypad

| Key | Value or Action |
|---|--|
| 0 to 9 | 0 to 9 (hex and decimal) |
| ARM | A (hex only) |
| SLEEP | B (hex only) |
| STAY | C (hex only) |
| OFF | D (hex only) |
| MENU | E (hex only) |
|  | F (hex only) |
| CLEAR | Exit section without saving (hex and decimal) |
| ENTER | Save current data and advance to next section (hex only) |

Grafica Keypads

Table 3: Decimal and hexadecimal values using Grafica keypads

| Key | Value or Action |
|---------------------------|---|
| 0 to 9 | values 0 to 9 respectively |
| # | A to F (press the # key until the desired letter appears) |
| Right action key (Exit) | Exit section without saving |
| Central action key (Save) | Save current data and advance to next section |

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Serial Number List

Worksheet 1: System Planning

| Serial # Sticker | Serial # Sticker | Serial # Sticker | Serial # Sticker | Serial # Sticker | Serial # Sticker |
|------------------|------------------|------------------|------------------|------------------|------------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 |
| 37 | 38 | 39 | 40 | 41 | 42 |
| 43 | 44 | 45 | 46 | 47 | 48 |
| 49 | 50 | 51 | 52 | 53 | 54 |
| 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 |
| 67 | 68 | 69 | 70 | 71 | 72 |
| 73 | 74 | 75 | 76 | 77 | 78 |
| 79 | 80 | 81 | 82 | 83 | 84 |
| 85 | 86 | 87 | 88 | 89 | 90 |

Worksheet 1: System Planning (Continued)

| Serial # Sticker | Serial # Sticker | Serial # Sticker | Serial # Sticker | Serial # Sticker | Serial # Sticker |
|------------------|------------------|------------------|------------------|------------------|------------------|
| 91 | 92 | 93 | 94 | 95 | 96 |
| 97 | 98 | 99 | 100 | 101 | 102 |
| 103 | 104 | 105 | 106 | 107 | 108 |
| 109 | 110 | 111 | 112 | 113 | 114 |
| 115 | 116 | 117 | 118 | 119 | 120 |
| 121 | 122 | 123 | 124 | 125 | 126 |
| 127 | 128 | 129 | 130 | 131 | 132 |
| 133 | 134 | 135 | 136 | 137 | 138 |
| 139 | 140 | 141 | 142 | 143 | 144 |
| 145 | 146 | 147 | 148 | 149 | 150 |
| 151 | 152 | 153 | 154 | 155 | 156 |
| 157 | 158 | 159 | 160 | 161 | 162 |
| 163 | 164 | 165 | 166 | 167 | 168 |
| 169 | 170 | 171 | 172 | 173 | 174 |
| 175 | 176 | 177 | 178 | 179 | 180 |
| 181 | 182 | 183 | 184 | 185 | 186 |

Worksheet 1: System Planning (Continued)

| Serial # Sticker | Serial # Sticker | Serial # Sticker | Serial # Sticker | Serial # Sticker | Serial # Sticker |
|------------------|------------------|------------------|------------------|------------------|------------------|
| 187 | 188 | 189 | 190 | 191 | 192 |
| 193 | 194 | 195 | 196 | 197 | 198 |
| 199 | 200 | 201 | 202 | 203 | 204 |
| 205 | 206 | 207 | 208 | 209 | 210 |
| 211 | 212 | 213 | 214 | 215 | 216 |
| 217 | 218 | 219 | 220 | 221 | 222 |
| 223 | 224 | 225 | 226 | 227 | 228 |
| 229 | 230 | 231 | 232 | 233 | 234 |
| 235 | 236 | 237 | 238 | 239 | 240 |
| 241 | 242 | 243 | 244 | 245 | 246 |
| 247 | 248 | 249 | 250 | 251 | 252 |
| 253 | 254 | | | | |

Zone Programming

Use the following section to program all zones on your EVOHD control panel. **IMPORTANT:** To set EOL and ATZ options as well as Tamper Options for each zone, See "Appendix A" on page 73.

To program zones:

1. Enter section **[0400]**.
2. Enter the zone number you wish to program.

NOTE: In any zone programming option, pressing **acc** on the K641/K641+/K641R/K641LX, or **▲** on the K656, will save the data and access the next zone on the same option screen. Pressing **trbl** on the K641/K641+/K641R/K641LX, or **△** on the K656, will save the data and return to the previous zone on the same option screen.

3. Enter the zone's eight-digit serial number, then it's three-digit input number (the input number is not needed for modules with only one input). Press **0**, and then **ENTER** to clear a zone's serial number. Use worksheet 2 on page 12, to record the information.

NOTE: When programming a keypad zone for the K641/K641+/K641R, K656, K07C, or the TM50 keypads, enter the input number 001. For the K641LX, enter input number 033.

4. Enter the following zone parameters; default setting is (01) (*2*4***):
 - a. Zone definition, by referring to table 4.
 - b. Partition, by referring to table 5.
 - c. Zone option, by referring to table 6.
 - d. Zone extended option (1*****), by referring to table 9.

001 Options
(1*****)

5. Enter the zone's report codes, by referring to table 7; default: (00) (00) (00) (00). Use worksheet 4 on page 17, to record the information.
6. Enter the zone's label. Use worksheet 4 on page 17, to record the information.
7. Press **enter** to save and proceed to the next zone.
8. Pressing **clear** twice will exit the zone programming menus. To save your modifications, make sure to press **enter** before pressing **clear**.

Table 4: Zone definitions for EVOHD

| Input Value | Description |
|-------------|------------------------|
| 0 | Disabled (default) |
| 1 | Entry delay 1 |
| 2 | Entry delay 2 |
| 3 | Follow |
| 4 | Instant |
| 5 | 24 hr. buzzer |
| 6 | 24 hr. burglary |
| 7 | 24 hr. hold-up |
| 8 | 24 hr. gas |
| 9 | 24 hr. heat |
| A | 24 hr. water |
| B | 24 hr. freeze |
| C | Delayed 24 hr. fire |
| D | Standard 24 hr. fire |
| E | Stay delay 1 |
| F | Stay delay 2/Anti-mask |

Table 5: Partition assignment for EVOHD

| Input Value | Description |
|-------------|-----------------------|
| 1 | Assign to partition 1 |
| 2 | Assign to partition 2 |
| 3 | Assign to partition 3 |
| 4 | Assign to partition 4 |
| 5 | Assign to partition 5 |
| 6 | Assign to partition 6 |
| 7 | Assign to partition 7 |
| 8 | Assign to partition 8 |

Table 6: Zone options for EVOHD

| Input Value(s) | | Description |
|----------------|-------|------------------------------|
| 1 | | Auto zone shutdown enabled |
| 2 | | Bypass enabled (default: ON) |
| 3 | | Stay zone |
| 4 | | Force zone (default: ON) |
| 5 OFF | 6 OFF | (Zone Alarm) Steady alarm |
| 5 OFF | 6 ON | (Zone Alarm) Pulsed alarm |
| 5 ON | 6 OFF | (Zone Alarm) Silent alarm |
| 5 ON | 6 ON | (Zone Alarm) Report only |
| 7 | | Intellizone |
| 8 | | Delay before transmission |

Table 7: Zone report codes for EVOHD

| Alarm Report Code | Alarm Restore Report Code | Tamper Report Code | Tamper Restore Report Code |
|-------------------|---------------------------|--------------------|----------------------------|
| ___/___ | ___/___ | ___/___ | ___/___ |

For Ademco Slow, Silent Knight Fast, SESCOA, Ademco Express, or pager formats, key-in desired two-digit hex values from 00 to FF.

Ademco Format

Use section [4032] to program a set of default Ademco report codes from the *Automatic Report Code Programming* on page 57. Then to program the remaining report codes or to change some of the defaults, enter the individual sections and key-in the desired two-digit hex value found in the *Contact ID Report Code List* on page 60.

SIA Format

Use section [4032] to program a set of SIA report codes from the *Automatic Report Code Programming* on page 57. Codes that have not been set to default can be set to default manually by entering FF in the appropriate section. To disable the reporting of an event, enter 00 in the appropriate section.

Table 8: Section Numbers used for zone programming

| Zone Number | Zone Serial & Input Numbers | Zone Parameters | Zone Report Codes | |
|-------------|-----------------------------|-----------------|-------------------|--------------|
| 1 | [0001] | [0101] | [0201] | [0301] |
| 2 | [0002] | [0102] | [0202] | [0302] |
| | + 1 per zone | + 1 per zone | + 1 per zone | + 1 per zone |
| 96 | [0096] | [0196] | [0296] | [0396] |

Table 9: Zone extended options

| Option | Description | | | ON | |
|--------|---|--|--------------|-------------------------------------|--------------|
| 1 | Zone tamper (follow global settings in section [3034] option 5 & 6) | <input type="radio"/> | Disabled | <input checked="" type="checkbox"/> | Enabled |
| 2 & 3 | Zone tamper supervision | - | See Table 10 | - | See Table 10 |
| 4 | Anti-mask trouble (follow global settings in section [3029] option 5 & 6) | <input type="checkbox"/> | Disabled | <input checked="" type="checkbox"/> | Enabled |
| 5 & 6 | Anti-mask supervision | <input type="checkbox"/> <input type="checkbox"/> | See Table 11 | - | See Table 11 |
| 7 | Future use | <input type="checkbox"/> | - | - | - |
| 8 | Future use | <input type="checkbox"/> | - | - | - |

Table 10: Zone tamper options

| Option | | Description |
|--------|-----|---|
| 2 | 3 | |
| OFF | OFF | Disabled (default) |
| OFF | ON | Generates trouble only (when armed or disarmed) |
| ON | OFF | When armed: alarm When disarmed: generates trouble only |
| ON | ON | When armed: alarm When disarmed: generates audible alarm |

Table 11: Anti-mask supervision options

| Option | | Description |
|--------|-----|---|
| 5 | 6 | |
| OFF | OFF | Disabled (default) |
| OFF | ON | Generates trouble only (when armed or disarmed) |
| ON | OFF | When armed: alarm When disarmed: generates trouble only |
| ON | ON | When armed: alarm When disarmed: generates audible alarm |

Worksheet 2: Zone Information

| Zone | Description | Module | Eight-digit Serial Number | Input Number | Zone Definition | Partition Assignment | Zone Options |
|------|-------------|--------|---------------------------|--------------|-----------------|----------------------|-----------------|
| 1 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 2 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 3 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 4 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 5 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 6 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 7 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 8 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 9 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 10 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 11 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 12 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 13 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 14 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 15 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 16 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 17 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 18 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 19 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 20 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 21 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 22 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 23 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 24 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 25 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 26 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 27 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 28 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 29 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 30 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 31 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 32 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 33 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 34 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 35 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 36 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 37 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 38 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 39 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 40 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 41 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 42 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 43 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 44 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 45 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 46 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 47 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |
| 48 | | | / / / / / / / / | / / | | | 1 2 3 4 5 6 7 8 |

Worksheet 2: Zone Information (Continued)

| Zone | Description | Module | Eight-digit Serial Number | Input Number | Zone Definition | Partition Assignment | Zone Options |
|------|-------------|--------|---------------------------|--------------|-----------------|----------------------|-----------------|
| 49 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 50 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 51 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 52 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 53 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 54 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 55 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 56 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 57 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 58 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 59 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 60 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 61 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 62 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 63 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 64 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 65 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 66 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 67 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 68 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 69 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 70 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 71 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 72 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 73 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 74 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 75 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 76 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 77 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 78 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 79 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 80 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 81 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 82 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 83 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 84 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 85 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 86 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 87 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 88 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 89 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 90 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 91 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 92 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 93 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 94 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 95 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |
| 96 | | | / / / / / / / / | / / / | — | — | 1 2 3 4 5 6 7 8 |

Worksheet 2: Zone Information (Continued)

| Zone | Description | Module | Eight-digit Serial Number | Input Number | Zone Definition | Partition Assignment | Zone Options |
|------|-------------|--------|---------------------------|--------------|-----------------|----------------------|-----------------|
| 97 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 98 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 99 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 100 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 101 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 102 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 103 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 104 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 105 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 106 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 107 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 108 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 109 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 110 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 111 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 112 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 113 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 114 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 115 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 116 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 117 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 118 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 119 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 120 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 121 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 122 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 123 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 124 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 125 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 126 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 127 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 128 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 129 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 130 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 131 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 132 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 133 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 134 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 135 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 136 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 137 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 138 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 139 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 140 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 141 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 142 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 143 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |
| 144 | | | / / / / / / / / | / / / | | | 1 2 3 4 5 6 7 8 |

Worksheet 3: Zone Report Codes

| Zone # | Alarm Report Codes | Alarm Restore Report Codes | Tamper Report Codes | Tamper Restore Report Codes | Zone # | Alarm Report Codes | Alarm Restore Report Codes | Tamper Report Codes | Tamper Restore Report Codes | Zone # | Alarm Report Codes | Alarm Restore Report Codes | Tamper Report Codes | Tamper Restore Report Codes | Zone # | Alarm Report Codes | Alarm Restore Report Codes | Tamper Report Codes | Tamper Restore Report Codes |
|--------|--------------------|----------------------------|---------------------|-----------------------------|--------|--------------------|----------------------------|---------------------|-----------------------------|--------|--------------------|----------------------------|---------------------|-----------------------------|--------|--------------------|----------------------------|---------------------|-----------------------------|
| 1 | ___ | ___ | ___ | ___ | 49 | ___ | ___ | ___ | ___ | 97 | ___ | ___ | ___ | ___ | 145 | ___ | ___ | ___ | ___ |
| 2 | ___ | ___ | ___ | ___ | 50 | ___ | ___ | ___ | ___ | 98 | ___ | ___ | ___ | ___ | 146 | ___ | ___ | ___ | ___ |
| 3 | ___ | ___ | ___ | ___ | 51 | ___ | ___ | ___ | ___ | 99 | ___ | ___ | ___ | ___ | 147 | ___ | ___ | ___ | ___ |
| 4 | ___ | ___ | ___ | ___ | 52 | ___ | ___ | ___ | ___ | 100 | ___ | ___ | ___ | ___ | 148 | ___ | ___ | ___ | ___ |
| 5 | ___ | ___ | ___ | ___ | 53 | ___ | ___ | ___ | ___ | 101 | ___ | ___ | ___ | ___ | 149 | ___ | ___ | ___ | ___ |
| 6 | ___ | ___ | ___ | ___ | 54 | ___ | ___ | ___ | ___ | 102 | ___ | ___ | ___ | ___ | 150 | ___ | ___ | ___ | ___ |
| 7 | ___ | ___ | ___ | ___ | 55 | ___ | ___ | ___ | ___ | 103 | ___ | ___ | ___ | ___ | 151 | ___ | ___ | ___ | ___ |
| 8 | ___ | ___ | ___ | ___ | 56 | ___ | ___ | ___ | ___ | 104 | ___ | ___ | ___ | ___ | 152 | ___ | ___ | ___ | ___ |
| 9 | ___ | ___ | ___ | ___ | 57 | ___ | ___ | ___ | ___ | 105 | ___ | ___ | ___ | ___ | 153 | ___ | ___ | ___ | ___ |
| 10 | ___ | ___ | ___ | ___ | 58 | ___ | ___ | ___ | ___ | 106 | ___ | ___ | ___ | ___ | 154 | ___ | ___ | ___ | ___ |
| 11 | ___ | ___ | ___ | ___ | 59 | ___ | ___ | ___ | ___ | 107 | ___ | ___ | ___ | ___ | 155 | ___ | ___ | ___ | ___ |
| 12 | ___ | ___ | ___ | ___ | 60 | ___ | ___ | ___ | ___ | 108 | ___ | ___ | ___ | ___ | 156 | ___ | ___ | ___ | ___ |
| 13 | ___ | ___ | ___ | ___ | 61 | ___ | ___ | ___ | ___ | 109 | ___ | ___ | ___ | ___ | 157 | ___ | ___ | ___ | ___ |
| 14 | ___ | ___ | ___ | ___ | 62 | ___ | ___ | ___ | ___ | 110 | ___ | ___ | ___ | ___ | 158 | ___ | ___ | ___ | ___ |
| 15 | ___ | ___ | ___ | ___ | 63 | ___ | ___ | ___ | ___ | 111 | ___ | ___ | ___ | ___ | 159 | ___ | ___ | ___ | ___ |
| 16 | ___ | ___ | ___ | ___ | 64 | ___ | ___ | ___ | ___ | 112 | ___ | ___ | ___ | ___ | 160 | ___ | ___ | ___ | ___ |
| 17 | ___ | ___ | ___ | ___ | 65 | ___ | ___ | ___ | ___ | 113 | ___ | ___ | ___ | ___ | 161 | ___ | ___ | ___ | ___ |
| 18 | ___ | ___ | ___ | ___ | 66 | ___ | ___ | ___ | ___ | 114 | ___ | ___ | ___ | ___ | 162 | ___ | ___ | ___ | ___ |
| 19 | ___ | ___ | ___ | ___ | 67 | ___ | ___ | ___ | ___ | 115 | ___ | ___ | ___ | ___ | 163 | ___ | ___ | ___ | ___ |
| 20 | ___ | ___ | ___ | ___ | 68 | ___ | ___ | ___ | ___ | 116 | ___ | ___ | ___ | ___ | 164 | ___ | ___ | ___ | ___ |
| 21 | ___ | ___ | ___ | ___ | 69 | ___ | ___ | ___ | ___ | 117 | ___ | ___ | ___ | ___ | 165 | ___ | ___ | ___ | ___ |
| 22 | ___ | ___ | ___ | ___ | 70 | ___ | ___ | ___ | ___ | 118 | ___ | ___ | ___ | ___ | 166 | ___ | ___ | ___ | ___ |
| 23 | ___ | ___ | ___ | ___ | 71 | ___ | ___ | ___ | ___ | 119 | ___ | ___ | ___ | ___ | 167 | ___ | ___ | ___ | ___ |
| 24 | ___ | ___ | ___ | ___ | 72 | ___ | ___ | ___ | ___ | 120 | ___ | ___ | ___ | ___ | 168 | ___ | ___ | ___ | ___ |
| 25 | ___ | ___ | ___ | ___ | 73 | ___ | ___ | ___ | ___ | 121 | ___ | ___ | ___ | ___ | 169 | ___ | ___ | ___ | ___ |
| 26 | ___ | ___ | ___ | ___ | 74 | ___ | ___ | ___ | ___ | 122 | ___ | ___ | ___ | ___ | 170 | ___ | ___ | ___ | ___ |
| 27 | ___ | ___ | ___ | ___ | 75 | ___ | ___ | ___ | ___ | 123 | ___ | ___ | ___ | ___ | 171 | ___ | ___ | ___ | ___ |
| 28 | ___ | ___ | ___ | ___ | 76 | ___ | ___ | ___ | ___ | 124 | ___ | ___ | ___ | ___ | 172 | ___ | ___ | ___ | ___ |
| 29 | ___ | ___ | ___ | ___ | 77 | ___ | ___ | ___ | ___ | 125 | ___ | ___ | ___ | ___ | 173 | ___ | ___ | ___ | ___ |
| 30 | ___ | ___ | ___ | ___ | 78 | ___ | ___ | ___ | ___ | 126 | ___ | ___ | ___ | ___ | 174 | ___ | ___ | ___ | ___ |
| 31 | ___ | ___ | ___ | ___ | 79 | ___ | ___ | ___ | ___ | 127 | ___ | ___ | ___ | ___ | 175 | ___ | ___ | ___ | ___ |
| 32 | ___ | ___ | ___ | ___ | 80 | ___ | ___ | ___ | ___ | 128 | ___ | ___ | ___ | ___ | 176 | ___ | ___ | ___ | ___ |
| 33 | ___ | ___ | ___ | ___ | 81 | ___ | ___ | ___ | ___ | 129 | ___ | ___ | ___ | ___ | 177 | ___ | ___ | ___ | ___ |
| 34 | ___ | ___ | ___ | ___ | 82 | ___ | ___ | ___ | ___ | 130 | ___ | ___ | ___ | ___ | 178 | ___ | ___ | ___ | ___ |
| 35 | ___ | ___ | ___ | ___ | 83 | ___ | ___ | ___ | ___ | 131 | ___ | ___ | ___ | ___ | 179 | ___ | ___ | ___ | ___ |
| 36 | ___ | ___ | ___ | ___ | 84 | ___ | ___ | ___ | ___ | 132 | ___ | ___ | ___ | ___ | 180 | ___ | ___ | ___ | ___ |
| 37 | ___ | ___ | ___ | ___ | 85 | ___ | ___ | ___ | ___ | 133 | ___ | ___ | ___ | ___ | 181 | ___ | ___ | ___ | ___ |
| 38 | ___ | ___ | ___ | ___ | 86 | ___ | ___ | ___ | ___ | 134 | ___ | ___ | ___ | ___ | 182 | ___ | ___ | ___ | ___ |
| 39 | ___ | ___ | ___ | ___ | 87 | ___ | ___ | ___ | ___ | 135 | ___ | ___ | ___ | ___ | 183 | ___ | ___ | ___ | ___ |
| 40 | ___ | ___ | ___ | ___ | 88 | ___ | ___ | ___ | ___ | 136 | ___ | ___ | ___ | ___ | 184 | ___ | ___ | ___ | ___ |
| 41 | ___ | ___ | ___ | ___ | 89 | ___ | ___ | ___ | ___ | 137 | ___ | ___ | ___ | ___ | 185 | ___ | ___ | ___ | ___ |
| 42 | ___ | ___ | ___ | ___ | 90 | ___ | ___ | ___ | ___ | 138 | ___ | ___ | ___ | ___ | 186 | ___ | ___ | ___ | ___ |
| 43 | ___ | ___ | ___ | ___ | 91 | ___ | ___ | ___ | ___ | 139 | ___ | ___ | ___ | ___ | 187 | ___ | ___ | ___ | ___ |
| 44 | ___ | ___ | ___ | ___ | 92 | ___ | ___ | ___ | ___ | 140 | ___ | ___ | ___ | ___ | 188 | ___ | ___ | ___ | ___ |
| 45 | ___ | ___ | ___ | ___ | 93 | ___ | ___ | ___ | ___ | 141 | ___ | ___ | ___ | ___ | 189 | ___ | ___ | ___ | ___ |
| 46 | ___ | ___ | ___ | ___ | 94 | ___ | ___ | ___ | ___ | 142 | ___ | ___ | ___ | ___ | 190 | ___ | ___ | ___ | ___ |
| 47 | ___ | ___ | ___ | ___ | 95 | ___ | ___ | ___ | ___ | 143 | ___ | ___ | ___ | ___ | 191 | ___ | ___ | ___ | ___ |
| 48 | ___ | ___ | ___ | ___ | 96 | ___ | ___ | ___ | ___ | 144 | ___ | ___ | ___ | ___ | 192 | ___ | ___ | ___ | ___ |

Keyswitch Programming

Use the following section to program keyswitches on your EVOHD control panel. Keyswitch programming information is entered in worksheets 5 and 6 on page 19.

Keyswitch Numbering

This feature allows the installer to assign a keyswitch to an addressable or hardwired detection device. To assign keyswitch numbering, proceed as follows:

1. Enter a section number between **[0501]** and **[0532]**. These sections represent keyswitches 1 to 32, respectively.
2. In column *A*, of worksheet 5 on page 19, enter the eight-digit serial number of the module, to which the keyswitch is connected.
3. In column *B*, of worksheet 5 on page 19, enter the three-digit input number of the module, to which the keyswitch is connected.

Keyswitch Parameters

This feature defines the keyswitch's partition assignment and arming method. To assign keyswitch parameters, proceed as follows:

1. Enter a section number between **[0601]** and **[0632]**. These sections represent keyswitches 1 to 32, respectively.
2. In column *C*, of worksheet 5 on page 19, enter the keyswitch definition (refer to table 8 for details). The default setting is set to *disabled*.
3. In column *D*, of worksheet 5 on page 19, enter the desired partition to which the keyswitch is assigned (refer to table 9 for details). By default, keyswitches are not assigned to a partition.
4. In column *E*, of worksheet 5 on page 19, enter the keyswitch option (refer to table 10 for details). By default, all settings are set to *OFF*.

Table 12: Keyswitch definitions

| Input Value | Description |
|-------------|--|
| 0 | Disabled (default) |
| 1 | Momentary keyswitch |
| 2 | Maintained keyswitch |
| 3 | Generates a utility key event on <i>open</i> * |
| 4 | Generates a utility key event on <i>open and close</i> * |
| 5 | Panic input option** |

* To use this keyswitch definition, one or more PGMs must be programmed with the *Utility Key* event (see *Event Group 048* in table 17 on page 21).

** To use this keyswitch definition, refer to *Panic Input Option*.

Table 13: Keyswitch partition/panic type assignment

| Input Value | Description |
|-------------|--|
| 0 | <ul style="list-style-type: none"> • Not assigned to a partition (default) • Panic type 1: police* |
| 1 | <ul style="list-style-type: none"> • Assign keyswitch to partition 1 • Panic type 2: medical* |
| 2 | <ul style="list-style-type: none"> • Assign keyswitch to partition 2 • Panic type 3: fire* |
| 3 | Assign keyswitch to partition 3 |
| 4 | Assign keyswitch to partition 4 |
| 5 | Assign keyswitch to partition 5 |
| 6 | Assign keyswitch to partition 6 |
| 7 | Assign keyswitch to partition 7 |
| 8 | Assign keyswitch to partition 8 |

* Only applicable for keyswitch definition 5 (*panic input option* in table 12). Refer to *Panic Input Option* for details.

Table 14: Keyswitch options/partition assignment

| Input Value | Description |
|-------------|--|
| 1 | Assign keyswitch to partition 1* |
| 2 | Assign keyswitch to partition 2* |
| 3 | <ul style="list-style-type: none"> • Disarm only • Assign keyswitch to partition 3* |
| 4 | <ul style="list-style-type: none"> • OFF: disarm; ON: disarm only if Stay/Instant armed • Assign keyswitch to partition 4* |
| 5 | <ul style="list-style-type: none"> • Arm only • Assign keyswitch to partition 5* |
| 6 | <ul style="list-style-type: none"> • Stay arming** • Assign keyswitch to partition 6* |
| 7 | <ul style="list-style-type: none"> • Force arming** • Assign keyswitch to partition 7* |
| 8 | <ul style="list-style-type: none"> • Instant arming** • Assign keyswitch to partition 8* |

* Only applicable for keyswitch definition 5 (*panic input option* in table 8). Refer to *Panic Input Option* for details.

** Select only one of these arming types. If all are OFF, keyswitch will use regular arming by default.

Keyswitch Arming/Disarming Report Codes

For Ademco Slow, Silent Knight Fast, Sescoa, Ademco Express, or pager formats, key-in desired two-digit hex values from 00 to FF. Use worksheet 6 on page 19 to record settings.

Ademco Contact ID

- Use section **[4033]** to program a set of default Ademco report codes, using table 49 (*List of automatic report codes*), on page 57.
- To program the remaining report codes or change certain defaults, access the individual sections and key-in the desired two-digit hex value, found in table 50 (*List of Ademco contact ID report codes*), on page 60.

SIA Format

- Use section **[4033]** to program a set of SIA report codes, using table 49 (*List of automatic report codes*), on page 57.
- Codes that have not been set to *default* can be set as such manually, by entering FF in the appropriate section.
- To disable the reporting of an event, enter **00** in the appropriate section.

Panic Input Option

To use the panic input option when programming keyswitch parameters in sections **[0601]** to **[0632]**, proceed as follows:

1. Enable partition panic alarm options, by referring to table 39 on page 51.
2. Enter **5** to access the panic input option (see table 8).
3. Enter **0**, **1**, or **2** to assign the type of panic. As shown in table 9, 0 = police; 1 = medical; 2 = fire.
4. Enter **1** to **8** to assign the keyswitch to partitions 1 through 8, respectively (see table 10).

Worksheet 5: Keyswitch Numbering and Parameters

| Keyswitch # | Description | Module | Section | A | B | Section | C | D | E |
|-------------|-------------|--------|---------|---------------------------------|--------------|---------|----------------------|---------------------|-------------------|
| | | | | Eight-digit Serial Number | Input Number | | Keyswitch Definition | Keyswitch Partition | Keyswitch Options |
| 1 | | | [0501] | ___/___/___/___/___/___/___/___ | ___/___ | [0601] | ___ | ___ | 1 2 3 4 5 6 7 8 |
| 2 | | | [0502] | ___/___/___/___/___/___/___/___ | ___/___ | [0602] | ___ | ___ | 1 2 3 4 5 6 7 8 |
| 3 | | | [0503] | ___/___/___/___/___/___/___/___ | ___/___ | [0603] | ___ | ___ | 1 2 3 4 5 6 7 8 |
| 4 | | | [0504] | ___/___/___/___/___/___/___/___ | ___/___ | [0604] | ___ | ___ | 1 2 3 4 5 6 7 8 |
| 5 | | | [0505] | ___/___/___/___/___/___/___/___ | ___/___ | [0605] | ___ | ___ | 1 2 3 4 5 6 7 8 |
| 6 | | | [0506] | ___/___/___/___/___/___/___/___ | ___/___ | [0606] | ___ | ___ | 1 2 3 4 5 6 7 8 |
| 7 | | | [0507] | ___/___/___/___/___/___/___/___ | ___/___ | [0607] | ___ | ___ | 1 2 3 4 5 6 7 8 |
| 8 | | | [0508] | ___/___/___/___/___/___/___/___ | ___/___ | [0608] | ___ | ___ | 1 2 3 4 5 6 7 8 |
| 9 | | | [0509] | ___/___/___/___/___/___/___/___ | ___/___ | [0609] | ___ | ___ | 1 2 3 4 5 6 7 8 |
| 10 | | | [0510] | ___/___/___/___/___/___/___/___ | ___/___ | [0610] | ___ | ___ | 1 2 3 4 5 6 7 8 |
| 11 | | | [0511] | ___/___/___/___/___/___/___/___ | ___/___ | [0611] | ___ | ___ | 1 2 3 4 5 6 7 8 |
| 12 | | | [0512] | ___/___/___/___/___/___/___/___ | ___/___ | [0612] | ___ | ___ | 1 2 3 4 5 6 7 8 |
| 13 | | | [0513] | ___/___/___/___/___/___/___/___ | ___/___ | [0613] | ___ | ___ | 1 2 3 4 5 6 7 8 |
| 14 | | | [0514] | ___/___/___/___/___/___/___/___ | ___/___ | [0614] | ___ | ___ | 1 2 3 4 5 6 7 8 |
| 15 | | | [0515] | ___/___/___/___/___/___/___/___ | ___/___ | [0615] | ___ | ___ | 1 2 3 4 5 6 7 8 |
| 16 | | | [0516] | ___/___/___/___/___/___/___/___ | ___/___ | [0616] | ___ | ___ | 1 2 3 4 5 6 7 8 |
| 17 | | | [0517] | ___/___/___/___/___/___/___/___ | ___/___ | [0617] | ___ | ___ | 1 2 3 4 5 6 7 8 |
| 18 | | | [0518] | ___/___/___/___/___/___/___/___ | ___/___ | [0618] | ___ | ___ | 1 2 3 4 5 6 7 8 |
| 19 | | | [0519] | ___/___/___/___/___/___/___/___ | ___/___ | [0619] | ___ | ___ | 1 2 3 4 5 6 7 8 |
| 20 | | | [0520] | ___/___/___/___/___/___/___/___ | ___/___ | [0620] | ___ | ___ | 1 2 3 4 5 6 7 8 |
| 21 | | | [0521] | ___/___/___/___/___/___/___/___ | ___/___ | [0621] | ___ | ___ | 1 2 3 4 5 6 7 8 |
| 22 | | | [0522] | ___/___/___/___/___/___/___/___ | ___/___ | [0622] | ___ | ___ | 1 2 3 4 5 6 7 8 |
| 23 | | | [0523] | ___/___/___/___/___/___/___/___ | ___/___ | [0623] | ___ | ___ | 1 2 3 4 5 6 7 8 |
| 24 | | | [0524] | ___/___/___/___/___/___/___/___ | ___/___ | [0624] | ___ | ___ | 1 2 3 4 5 6 7 8 |
| 25 | | | [0525] | ___/___/___/___/___/___/___/___ | ___/___ | [0625] | ___ | ___ | 1 2 3 4 5 6 7 8 |
| 26 | | | [0526] | ___/___/___/___/___/___/___/___ | ___/___ | [0626] | ___ | ___ | 1 2 3 4 5 6 7 8 |
| 27 | | | [0527] | ___/___/___/___/___/___/___/___ | ___/___ | [0627] | ___ | ___ | 1 2 3 4 5 6 7 8 |
| 28 | | | [0528] | ___/___/___/___/___/___/___/___ | ___/___ | [0628] | ___ | ___ | 1 2 3 4 5 6 7 8 |
| 29 | | | [0529] | ___/___/___/___/___/___/___/___ | ___/___ | [0629] | ___ | ___ | 1 2 3 4 5 6 7 8 |
| 30 | | | [0530] | ___/___/___/___/___/___/___/___ | ___/___ | [0630] | ___ | ___ | 1 2 3 4 5 6 7 8 |
| 31 | | | [0531] | ___/___/___/___/___/___/___/___ | ___/___ | [0631] | ___ | ___ | 1 2 3 4 5 6 7 8 |
| 32 | | | [0532] | ___/___/___/___/___/___/___/___ | ___/___ | [0632] | ___ | ___ | 1 2 3 4 5 6 7 8 |

Worksheet 6: Arming and Disarming with Keyswitch Report Codes

| Section | Keyswitch # | Arming | Section | Keyswitch # | Arming | Section | Keyswitch # | Arming | Section | Keyswitch # | Disarming | Section | Keyswitch # | Disarming | Section | Keyswitch # | Disarming |
|---------|-------------|---------|---------|-------------|---------|---------|-------------|---------|---------|-------------|-----------|---------|-------------|-----------|---------|-------------|-----------|
| [0701] | 1 | ___/___ | [0715] | 15 | ___/___ | [0729] | 29 | ___/___ | [0801] | 1 | ___/___ | [0815] | 15 | ___/___ | [0829] | 29 | ___/___ |
| [0702] | 2 | ___/___ | [0716] | 16 | ___/___ | [0730] | 30 | ___/___ | [0802] | 2 | ___/___ | [0816] | 16 | ___/___ | [0830] | 30 | ___/___ |
| [0703] | 3 | ___/___ | [0717] | 17 | ___/___ | [0731] | 31 | ___/___ | [0803] | 3 | ___/___ | [0817] | 17 | ___/___ | [0831] | 31 | ___/___ |
| [0704] | 4 | ___/___ | [0718] | 18 | ___/___ | [0732] | 32 | ___/___ | [0804] | 4 | ___/___ | [0818] | 18 | ___/___ | [0832] | 32 | ___/___ |
| [0705] | 5 | ___/___ | [0719] | 19 | ___/___ | | | | [0805] | 5 | ___/___ | [0819] | 19 | ___/___ | | | |
| [0706] | 6 | ___/___ | [0720] | 20 | ___/___ | | | | [0806] | 6 | ___/___ | [0820] | 20 | ___/___ | | | |
| [0707] | 7 | ___/___ | [0721] | 21 | ___/___ | | | | [0807] | 7 | ___/___ | [0821] | 21 | ___/___ | | | |
| [0708] | 8 | ___/___ | [0722] | 22 | ___/___ | | | | [0808] | 8 | ___/___ | [0822] | 22 | ___/___ | | | |
| [0709] | 9 | ___/___ | [0723] | 23 | ___/___ | | | | [0809] | 9 | ___/___ | [0823] | 23 | ___/___ | | | |
| [0710] | 10 | ___/___ | [0724] | 24 | ___/___ | | | | [0810] | 10 | ___/___ | [0824] | 24 | ___/___ | | | |
| [0711] | 11 | ___/___ | [0725] | 25 | ___/___ | | | | [0811] | 11 | ___/___ | [0825] | 25 | ___/___ | | | |
| [0712] | 12 | ___/___ | [0726] | 26 | ___/___ | | | | [0812] | 12 | ___/___ | [0826] | 26 | ___/___ | | | |
| [0713] | 13 | ___/___ | [0727] | 27 | ___/___ | | | | [0813] | 13 | ___/___ | [0827] | 27 | ___/___ | | | |
| [0714] | 14 | ___/___ | [0728] | 28 | ___/___ | | | | [0814] | 14 | ___/___ | [0828] | 28 | ___/___ | | | |

Programmable Outputs

Use the following section to program various programmable outputs (PGMs) on your EVOHD control panel.

PGM Test Mode

Table 15: Test PGMs and their section numbers

| Section | Action | Description |
|---------|------------|--|
| [0901] | Test PGM 1 | Activates PGM 1 for eight seconds to verify if the PGM is functioning properly |
| [0902] | Test PGM 2 | Activates PGM 2 for eight seconds to verify if the PGM is functioning properly |
| [0903] | Test PGM 3 | Activates PGM 3 for eight seconds to verify if the PGM is functioning properly |
| [0904] | Test PGM 4 | Activates PGM 4 for eight seconds to verify if the PGM is functioning properly |
| [0905] | Test PGM 5 | Activates PGM 5 for eight seconds to verify if the PGM is functioning properly |

PGM Delays

To record values in worksheet 7, use the PGM Delay descriptions, as well as the information appearing in table 16 (*Description of PGM options*).

WARNING: Considering that section numbers follow a numerical sequence, PGM activation and deactivation events for a respective PGM are skipped when using the keypad's programming sequence. For instance, sections [0918] and [0919] correspond to PGM 1 and one follows the other in the programming sequence; however, the following section in the sequence ([0920], corresponds to PGM 2. Make sure to enter sections [0910] through [0917] (see table 17) to complete activation/deactivation programming for PGM 1.

Worksheet 7: PGM Delays

| Section | PGM Delay Value | Range | Description | Default Setting |
|---------|-----------------|----------------------------|--|-----------------|
| [0918] | __/_/___ | (001 to 255 x 1 sec./min.) | PGM 1 delay (refer to section [0919], option 2, to see whether the delay is in sec. or min.) | 5 sec./min. |
| [0928] | __/_/___ | (001 to 255 x 1 sec./min.) | PGM 2 delay (refer to section [0929], option 2, to see whether the delay is in sec. or min.) | 5 sec./min. |
| [0938] | __/_/___ | (001 to 255 x 1 sec./min.) | PGM 3 delay (refer to section [0939], option 2, to see whether the delay is in sec. or min.) | 5 sec./min. |
| [0948] | __/_/___ | (001 to 255 x 1 sec./min.) | PGM 4 delay (refer to section [0949], option 2, to see whether the delay is in sec. or min.) | 5 sec./min. |
| [0958] | __/_/___ | (001 to 255 x 1 sec./min.) | PGM 5 delay (refer to section [0959], option 2, to see whether the delay is in sec. or min.) | 5 sec./min. |

PGM Options

Table 16: Description of PGM options

| Option | Description | PGM 1 [0919] | | PGM 2 [0929] | | PGM 3 [0939] | | PGM 4 [0949] | | PGM 5 [0959] | |
|--------|---|--------------|----|--------------|----|--------------|----|--------------|----|--------------|----|
| | | OFF | ON | OFF | ON | OFF | ON | OFF | ON | OFF | ON |
| 1 | PGM deactivation after (OFF = deactivation event; ON = PGM timer) | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 2 | PGM base time (OFF = seconds; ON = minutes) | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 3 | Flexible PGM deactivation option (OFF = PGM timer only; ON = PGM timer and/or deactivation event) | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 4 | PGM initial state (OFF = normally open; ON = normally closed) | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 5 to 8 | Future use | - | - | - | - | - | - | - | - | - | - |

OFF = Disabled; ON = Enabled; ▲ = Default Setting

WARNING: To use the flexible PGM Deactivation option (option 3), the PGM deactivation after option (option 1) must be ON (see table 16).

PGM Programming

Use table 17 (*List of event and feature groups*), on page 21 to enter data in worksheet 8. Columns A through D in worksheet 8, correspond to their respective columns in table 17.

Worksheet 8: PGM Programming

| | A | | | B | | | C | | | D | | |
|------------------|---------|-------|-------------|---------|-------|---------------|---------|-------|----------|---------|-------|----------|
| | Section | PGM | Event Group | Section | PGM | Feature Group | Section | PGM | Start # | Section | PGM | End # |
| PGM Activation | [0910] | PGM 1 | __/_/___ | [0911] | PGM 1 | __/_/___ | [0912] | PGM 1 | __/_/___ | [0913] | PGM 1 | __/_/___ |
| | [0920] | PGM 2 | __/_/___ | [0921] | PGM 2 | __/_/___ | [0922] | PGM 2 | __/_/___ | [0923] | PGM 2 | __/_/___ |
| | [0930] | PGM 3 | __/_/___ | [0931] | PGM 3 | __/_/___ | [0932] | PGM 3 | __/_/___ | [0933] | PGM 3 | __/_/___ |
| | [0940] | PGM 4 | __/_/___ | [0941] | PGM 4 | __/_/___ | [0942] | PGM 4 | __/_/___ | [0943] | PGM 4 | __/_/___ |
| | [0950] | PGM 5 | __/_/___ | [0951] | PGM 5 | __/_/___ | [0952] | PGM 5 | __/_/___ | [0953] | PGM 5 | __/_/___ |
| PGM Deactivation | [0914] | PGM 1 | __/_/___ | [0915] | PGM 1 | __/_/___ | [0916] | PGM 1 | __/_/___ | [0917] | PGM 1 | __/_/___ |
| | [0924] | PGM 2 | __/_/___ | [0925] | PGM 2 | __/_/___ | [0926] | PGM 2 | __/_/___ | [0927] | PGM 2 | __/_/___ |
| | [0934] | PGM 3 | __/_/___ | [0935] | PGM 3 | __/_/___ | [0936] | PGM 3 | __/_/___ | [0937] | PGM 3 | __/_/___ |
| | [0944] | PGM 4 | __/_/___ | [0945] | PGM 4 | __/_/___ | [0946] | PGM 4 | __/_/___ | [0947] | PGM 4 | __/_/___ |
| | [0954] | PGM 5 | __/_/___ | [0955] | PGM 5 | __/_/___ | [0956] | PGM 5 | __/_/___ | [0957] | PGM 5 | __/_/___ |

Event and Feature Groups

Notes for Table 17

| | | | | |
|---|-------------------|-------------------|-------------------|-------------------|
| 000 = Occurs in all partitions enabled in the system (see section [3031], in table 21 on page 39) | 001 = Partition 1 | 002 = Partition 2 | 003 = Partition 3 | 004 = Partition 4 |
| 255 = Occurs in at least one partition enabled in the system | 005 = Partition 5 | 006 = Partition 6 | 007 = Partition 7 | 008 = Partition 8 |

Table 17: List of event and feature groups

| A Event Group | Event | B Feature Group | Feature | C Start # | D End # |
|------------------------------|------------------------------|-------------------------|--|--------------|------------|
| 000 | Zone is OK | 000 255 = any zone # | Zone numbers | 001 to 192 | 001 to 192 |
| 001 | Zone is open | | | 001 to 192 | 001 to 192 |
| 002 | Zone is tampered | | | 001 to 192 | 001 to 192 |
| 003 | Zone is in fire loop trouble | | | 001 to 192 | 001 to 192 |
| 004 | Non-reportable event | 000 | TLM trouble | 000 | 000 |
| 004 | Non-reportable event | 000 | Smoke detector reset | 001 | 001 |
| | | | Arm with no entry delay | 002 | 002 |
| | | | Arm in Stay mode | 003 | 003 |
| | | | Arm in Away mode | 004 | 004 |
| | | | Full arm when in Stay mode | 005 | 005 |
| | | | Voice module access | 006 | 006 |
| | | | Remote control access | 007 | 007 |
| | | | PC fail to communicate | 008 | 008 |
| | | | Midnight | 009 | 009 |
| | | | Neware user login | 010 | 010 |
| | | | Neware user logout | 011 | 011 |
| | | | User initiated call-up | 012 | 012 |
| | | | Force answer | 013 | 013 |
| | | | Force hangup | 014 | 014 |
| | | | Future use | 015 | 015 |
| | | | Auxiliary output manually activated | 016 | 016 |
| | | | Auxiliary output manually deactivated | 017 | 017 |
| | | | Voice reporting failed | 018 | 018 |
| | | | FTC restore | 019 | 019 |
| | | | Software access (VDMP3, IP150, NEware, BabyWare) | 020 | 020 |
| IPR512 1 Registration Status | 021 | 021 | | | |
| IPR512 2 registration status | 022 | 022 | | | |
| IPR512 3 registration status | 023 | 023 | | | |
| IPR512 4 registration status | 024 | 024 | | | |
| 004 | Non-reportable event | 000 | Armed with trouble(s) | 034 | 034 |
| | | | Installer access authorization started | 035 | 035 |
| | | | Installer access authorization ended | 036 | 036 |
| 005 | User code entered on keypad | 255 | Any non-reportable event | Not Used | Not Used |
| | | 000 | User codes 000 to 255 | 000 to 255 | 000 to 255 |
| | | 001 | User codes 256 to 511 | 000 to 255 | 000 to 255 |
| | | 002 | User codes 512 to 767 | 000 to 255 | 000 to 255 |
| | | 003 | User codes 768 to 999 | 000 to 231 | 000 to 231 |
| 006 | User/card access on door | 255 | Any user code | Not Used | Not Used |
| | | 000 | Door numbers | 001 to 032 | 001 to 032 |
| | | 255 | Any door number | Not Used | Not Used |

Table 17: List of event and feature groups (Continued)

| A Event Group | <i>Event</i> | <i>B</i> Feature Group | <i>Feature</i> | <i>C</i> Start # | <i>D</i> End # |
|-------------------------|--------------------------------|---------------------------|-------------------------------|---------------------|-------------------|
| 007 | Bypass programming access | 000 | One-touch bypass programming | 000 | 000 |
| | | 000 | User codes 001 to 255 | 001 to 255 | 001 to 255 |
| | | 001 | User codes 256 to 511 | 000 to 255 | 000 to 255 |
| | | 002 | User codes 512 to 767 | 000 to 255 | 000 to 255 |
| | | 003 | User codes 768 to 999 | 000 to 231 | 000 to 231 |
| | | 255 | Any user code | Not Used | Not Used |
| 008 | TX delay zone alarm | 000 | Zone numbers | 001 to 192 | 001 to 192 |
| | | 255 | Any zone number | Not Used | Not Used |
| 009 | Arming with master | 000 | User codes 001 to 255 | 001 to 255 | 001 to 255 |
| | | 001 | User codes 256 to 511 | 000 to 255 | 000 to 255 |
| | | 002 | User codes 512 to 767 | 000 to 255 | 000 to 255 |
| | | 003 | User codes 768 to 999 | 000 to 231 | 000 to 231 |
| | | 255 | Any user code | Not Used | Not Used |
| 010 | Arming with user code | 000 | User codes 001 to 255 | 001 to 255 | 001 to 255 |
| | | 001 | User codes 256 to 511 | 000 to 255 | 000 to 255 |
| | | 002 | User codes 512 to 767 | 000 to 255 | 000 to 255 |
| | | 003 | User codes 768 to 999 | 000 to 231 | 000 to 231 |
| | | 255 | Any user code | Not Used | Not Used |
| 011 | Arming with keyswitch | 000 | Keyswitch numbers | 001 to 032 | 001 to 032 |
| | | 255 | Any keyswitch | Not Used | Not Used |
| 012 | Special arming | 000 | Auto arming | 000 | 000 |
| | | | Arming with BabyWare | 001 | 001 |
| | | | Late to close | 002 | 002 |
| | | | No movement arming | 003 | 003 |
| | | | Partial arming | 004 | 004 |
| | | | One-touch arming | 005 | 005 |
| | | | Future use | 006 | 006 |
| | | | Future use | 007 | 007 |
| | | | (InTouch) voice module arming | 008 | 008 |
| | | Delinquency closing | 009 | 009 | |
| 255 | Any special arming event | Not Used | Not Used | | |
| 013 | Disarm with master | 000 | User codes 001 to 255 | 001 to 255 | 001 to 255 |
| | | 001 | User codes 256 to 511 | 000 to 255 | 000 to 255 |
| | | 002 | User codes 512 to 767 | 000 to 255 | 000 to 255 |
| | | 003 | User codes 768 to 999 | 000 to 231 | 000 to 231 |
| | | 255 | Any user code | Not Used | Not Used |
| 014 | Disarm with user code | 000 | User codes 001 to 255 | 001 to 255 | 001 to 255 |
| | | 001 | User codes 256 to 511 | 000 to 255 | 000 to 255 |
| | | 002 | User codes 512 to 767 | 000 to 255 | 000 to 255 |
| | | 003 | User codes 768 to 999 | 000 to 231 | 000 to 231 |
| | | 255 | Any user code | Not Used | Not Used |
| 015 | Disarm with keyswitch | 000 | Keyswitch numbers | 001 to 032 | 001 to 032 |
| | | 255 | Any keyswitch | Not Used | Not Used |
| 016 | Disarm after alarm with master | 000 | User codes 001 to 255 | 001 to 255 | 001 to 255 |
| | | 001 | User codes 256 to 511 | 000 to 255 | 000 to 255 |
| | | 002 | User codes 512 to 767 | 000 to 255 | 000 to 255 |
| | | 003 | User codes 768 to 999 | 000 to 231 | 000 to 231 |
| | | 255 | Any user code | Not Used | Not Used |

Table 17: List of event and feature groups (Continued)

| A Event Group | Event | B Feature Group | Feature | C Start # | D End # |
|------------------|-----------------------------------|----------------------------------|-------------------------------------|--------------|------------|
| 017 | Disarm after alarm with user code | 000 | User codes 001 to 255 | 001 to 255 | 001 to 255 |
| | | 001 | User codes 256 to 511 | 000 to 255 | 000 to 255 |
| | | 002 | User codes 512 to 767 | 000 to 255 | 000 to 255 |
| | | 003 | User codes 768 to 999 | 000 to 231 | 000 to 231 |
| | | 255 | Any user code | Not Used | Not Used |
| 018 | Disarm after alarm with keyswitch | 000 | Keyswitch numbers | 001 to 032 | 001 to 032 |
| | | 255 | Any keyswitch | Not Used | Not Used |
| 019 | Alarm cancelled with master | 000 | User codes 001 to 255 | 001 to 255 | 001 to 255 |
| | | 001 | User codes 256 to 511 | 000 to 255 | 000 to 255 |
| | | 002 | User codes 512 to 767 | 000 to 255 | 000 to 255 |
| | | 003 | User codes 768 to 999 | 000 to 231 | 000 to 231 |
| | | 255 | Any user code | Not Used | Not Used |
| 020 | Alarm cancelled with user code | 000 | User codes 001 to 255 | 001 to 255 | 001 to 255 |
| | | 001 | User codes 256 to 511 | 000 to 255 | 000 to 255 |
| | | 002 | User codes 512 to 767 | 000 to 255 | 000 to 255 |
| | | 003 | User codes 768 to 999 | 000 to 231 | 000 to 231 |
| | | 255 | Any user code | Not Used | Not Used |
| 021 | Alarm cancelled with keyswitch | 000 | Keyswitch numbers | 001 to 032 | 001 to 032 |
| | | 255 | Any keyswitch | Not Used | Not Used |
| 022 | Special disarming | 000 | Auto arm cancelled | 000 | 000 |
| | | | One-touch Stay/Instant disarm | 001 | 001 |
| | | | Disarming with BabyWare | 002 | 002 |
| | | | Disarming with BabyWare after alarm | 003 | 003 |
| | | | BabyWare cancelled alarm | 004 | 004 |
| | | | Future use | 005 | 005 |
| | | | Future use | 006 | 006 |
| | | | Future use | 007 | 007 |
| | | (InTouch) voice module disarming | 008 | 008 | |
| 255 | Any special disarming event | Not Used | Not Used | | |
| 023 | Zone bypassed | 000 255 = any zone # | Zone numbers | 001 to 192 | 001 to 192 |
| 024 | Zone in alarm | | | 001 to 192 | 001 to 192 |
| 025 | Fire alarm | | | 001 to 192 | 001 to 192 |
| 026 | Zone alarm restore | | | 001 to 192 | 001 to 192 |
| 027 | Fire alarm restore | | | 001 to 192 | 001 to 192 |
| 028 | Early to disarm by user | 000 | User codes 001 to 255 | 001 to 255 | 001 to 255 |
| | | 001 | User codes 256 to 511 | 000 to 255 | 000 to 255 |
| | | 002 | User codes 512 to 767 | 000 to 255 | 000 to 255 |
| | | 003 | User codes 768 to 999 | 000 to 231 | 000 to 231 |
| | | 255 | Any user code | Not Used | Not Used |

Table 17: List of event and feature groups (Continued)

| A Event Group | <i>Event</i> | <i>B</i> Feature Group | <i>Feature</i> | <i>C</i> Start # | <i>D</i> End # |
|-------------------------|------------------------|---------------------------|--|---------------------|-------------------|
| 029 | Late to disarm by user | 000 | User codes 001 to 255 | 001 to 255 | 001 to 255 |
| | | 001 | User codes 256 to 511 | 000 to 255 | 000 to 255 |
| | | 002 | User codes 512 to 767 | 000 to 255 | 000 to 255 |
| | | 003 | User codes 768 to 999 | 000 to 231 | 000 to 231 |
| | | 255 | Any user code | Not Used | Not Used |
| 030 | Special alarm | 000 | Emergency panic (Keys 1 & 3) | 000 | 000 |
| | | | Medical panic (Keys 4 & 6) | 001 | 001 |
| | | | Fire panic (Keys 7 & 9) | 002 | 002 |
| | | | Recent closing | 003 | 003 |
| | | | Police code | 004 | 004 |
| | | | Zone shutdown | 005 | 005 |
| | | | Future use | 006 | 006 |
| | | | Future use | 007 | 007 |
| | | | TLM alarm | 008 | 008 |
| | | | Central communication failure alarm | 009 | 009 |
| | | | Module tamper alarm | 010 | 010 |
| | | | Missing GSM module alarm | 011 | 011 |
| | | 000 (cont.) | GSM no service alarm | 012 | 012 |
| | | | Missing IP module alarm | 013 | 013 |
| | | | IP no service alarm | 014 | 014 |
| | | | Missing voice module alarm | 015 | 015 |
| | | 255 | Any special alarm event | Not Used | Not Used |
| 031 | Duress alarm by user | 000 | User codes 001 to 255 | 001 to 255 | 001 to 255 |
| | | 001 | User codes 256 to 511 | 000 to 255 | 000 to 255 |
| | | 002 | User codes 512 to 767 | 000 to 255 | 000 to 255 |
| | | 003 | User codes 768 to 999 | 000 to 231 | 000 to 231 |
| | | 255 | Any user code | Not Used | Not Used |
| 032 | Zone shutdown | 000 255 = any zone # | Zone numbers | 001 to 192 | 001 to 192 |
| 033 | Zone tamper | | | 001 to 192 | 001 to 192 |
| 034 | Zone tamper restore | | | 001 to 192 | 001 to 192 |
| 035 | Special tamper | 000 | Keypad lockout | 000 | 000 |
| | | | Voice lockout | 001 | 001 |
| 036 | Trouble event | 000 | Future use | 000 | 000 |
| | | | AC failure | 001 | 001 |
| | | | Battery failure | 002 | 002 |
| | | | Auxiliary current limit | 003 | 003 |
| | | | Bell current limit | 004 | 004 |
| | | | Bell absent | 005 | 005 |
| | | | Clock trouble | 006 | 006 |
| | | | Global fire loop | 007 | 007 |
| | | | Panel tamper | 008 | 008 |
| | | 255 | Any trouble event | Not Used | Not Used |

Table 17: List of event and feature groups (Continued)

| A Event Group | Event | B Feature Group | Feature | C Start # | D End # |
|------------------|-----------------|--------------------|---------------------------------|---------------------------|------------|
| 037 | Trouble restore | 000 | TLM trouble | 000 | 000 |
| | | | AC failure | 001 | 001 |
| | | | Battery failure | 002 | 002 |
| | | | Auxiliary current limit | 003 | 003 |
| | | | Bell current limit | 004 | 004 |
| | | | Bell absent | 005 | 005 |
| | | | Clock trouble | 006 | 006 |
| | | | Global fire loop | 007 | 007 |
| | | | Panel tamper | 008 | 008 |
| | | | 255 | Any trouble restore event | Not Used |
| 038 | Module trouble | 000 | Combus fault | 000 | 000 |
| | | | Module tamper | 001 | 001 |
| | | | ROM/RAM error | 002 | 002 |
| | | | TLM trouble | 003 | 003 |
| | | | Fail to communicate | 004 | 004 |
| | | | Printer fault | 005 | 005 |
| | | | AC failure | 006 | 006 |
| | | | Battery failure | 007 | 007 |
| | | | Auxiliary failure | 008 | 008 |
| | | | IP Receiver supervision | 009 | 009 |
| | | | IP Receiver Fail to communicate | 010 | 010 |
| | | | IP Receiver Unregistered | 011 | 011 |
| | | | Direct light | 012 | 012 |
| | | | RF Interference | 013 | 013 |
| | | | Low bus voltage | 014 | 014 |
| | | | Self-test failure | 015 | 015 |
| | | | LAN Failure | 016 | 016 |
| | | WAN Failure | 017 | 017 | |
| | | 001 | Missing PCS module | 000 | 000 |
| | | | PCS Tamper | 001 | 001 |
| | | | GSM RF jam | 002 | 002 |
| | | | GSM no service | 003 | 003 |
| | | | Fail to communicate IPR512 1 | 004 | 004 |
| | | | Fail to communicate IPR512 2 | 005 | 005 |
| | | | Fail to communicate IPR512 3 | 006 | 006 |
| | | | Fail to communicate IPR512 4 | 007 | 007 |
| | | 002 | Missing voice module | 032 | 032 |
| | | | Missing IP module | 000 | 000 |
| | | | IP no service | 001 | 001 |
| | | | Fail to communicate IPR512 1 | 002 | 002 |
| | | | Fail to communicate IPR512 2 | 003 | 003 |
| | | 255 | Any module trouble event | Not Used | Not Used |

Table 17: List of event and feature groups (Continued)

| A Event Group | Event | B Feature Group | Feature | C Start # | D End # | |
|------------------|-----------------------------------|-------------------------|---|------------------------------|------------------|------------|
| 039 | Module trouble restore | 000 | Combus fault | 000 | 000 | |
| | | | Module tamper | 001 | 001 | |
| | | | ROM/RAM error | 002 | 002 | |
| | | | TLM trouble | 003 | 003 | |
| | | | Fail to communicate | 004 | 004 | |
| | | | Printer fault | 005 | 005 | |
| | | | AC failure | 006 | 006 | |
| | | | Battery failure | 007 | 007 | |
| | | | Auxiliary failure | 008 | 008 | |
| | | | IP Receiver supervision | 009 | 009 | |
| | | | IP Receiver Fail to communicate | 010 | 010 | |
| | | | IP Receiver Unregistered | 011 | 011 | |
| | | | Direct light | 012 | 012 | |
| | | | RF Interference | 013 | 013 | |
| | | | Low bus voltage | 014 | 014 | |
| | | | Self-test failure | 015 | 015 | |
| | | | LAN Failure | 016 | 016 | |
| | | WAN Failure | 017 | 017 | | |
| | | 001 | Missing PCS module | Missing PCS module | 000 | 000 |
| | | | | PCS Tamper | 001 | 001 |
| | | | | GSM RF jam supervision | 002 | 002 |
| | | | | GSM no service | 003 | 003 |
| | | | | Fail to communicate IPR512 1 | 004 | 004 |
| | | | | Fail to communicate IPR512 2 | 005 | 005 |
| | | | | Fail to communicate IPR512 3 | 006 | 006 |
| | | | | Fail to communicate IPR512 4 | 007 | 007 |
| | | 002 | Missing voice module | Missing voice module | 032 | 032 |
| | | | | Missing IP module | 000 | 000 |
| | | | | IP no service | 001 | 001 |
| | | | | Fail to communicate IPR512 1 | 002 | 002 |
| | | | | Fail to communicate IPR512 2 | 003 | 003 |
| | | 255 | Any module trouble restore event | | Not Used | Not Used |
| | | 040 | Fail to communicate on telephone number | 000 | Telephone number | 001 to 004 |
| 255 | Any telephone number | | | Not Used | Not Used | |
| 041 | Low battery on zone | 000 255 = any zone # | Zone numbers | 001 to 192 | 001 to 192 | |
| 042 | Zone supervision trouble | | | 001 to 192 | 001 to 192 | |
| 043 | Low battery on zone restored | | | 001 to 192 | 001 to 192 | |
| 044 | Zone supervision trouble restored | | | 001 to 192 | 001 to 192 | |

Table 17: List of event and feature groups (Continued)

| A Event Group | Event | B Feature Group | Feature | C Start # | D End # |
|------------------|-------------------------------------|------------------------------|---------------------------------|--------------|------------|
| 045 | Special events | 000 | Power-up after total power down | 000 | 000 |
| | | | Software reset (watchdog) | 001 | 001 |
| | | | Test report | 002 | 002 |
| | | | Listen-in request | 003 | 003 |
| | | | BabyWare In (connected) | 004 | 004 |
| | | | BabyWare Out (disconnected) | 005 | 005 |
| | | | Installer In programming | 006 | 006 |
| | | | Installer Out of programming | 007 | 007 |
| | | | Failed to arm | 008 | 008 |
| | | 255 | Any special event | Not Used | Not Used |
| 046 | Early to arm by user | 000 | User codes 001 to 255 | 001 to 255 | 001 to 255 |
| | | 001 | User codes 256 to 511 | 000 to 255 | 000 to 255 |
| | | 002 | User codes 512 to 767 | 000 to 255 | 000 to 255 |
| | | 003 | User codes 768 to 999 | 000 to 231 | 000 to 231 |
| | | 255 | Any user code | Not Used | Not Used |
| 047 | Late to arm by user | 000 | User codes 001 to 255 | 001 to 255 | 001 to 255 |
| | | 001 | User codes 256 to 511 | 000 to 255 | 000 to 255 |
| | | 002 | User codes 512 to 767 | 000 to 255 | 000 to 255 |
| | | 003 | User codes 768 to 999 | 000 to 231 | 000 to 231 |
| | | 255 | Any user code | Not Used | Not Used |
| 048 | Utility key | 000 | Utility key 001 to 064*† | 001 to 064 | 001 to 064 |
| | | 255 | Any utility key*† | Not Used | Not Used |
| 049 | Request for exit | 000 255 = any door number | Door numbers | 001 to 032 | 001 to 032 |
| 050 | Access denied | | | 001 to 032 | 001 to 032 |
| 051 | Door left open alarm | | | 001 to 032 | 001 to 032 |
| 052 | Door forced alarm | | | 001 to 032 | 001 to 032 |
| 053 | Door left open restore | | | 001 to 032 | 001 to 032 |
| 054 | Door forced open restore | | | 001 to 032 | 001 to 032 |
| 055 | Intellizone triggered | 000 | Zone numbers | 001 to 192 | 001 to 192 |
| | | 255 | Any zone number | Not Used | Not Used |
| 056 | Zone excluded on Force arming | 000 255 = any zone | Zone numbers | 001 to 192 | 001 to 192 |
| 057 | Zone went back to arm status | | Zone numbers | 001 to 192 | 001 to 192 |
| 058 | New module assigned on combus | 000 255 = any module | Module address | 001 to 254 | 001 to 254 |
| 059 | Module manually removed from combus | | Module address | 001 to 254 | 001 to 254 |
| 060 | Non-saved event | 000 | Remote control rejected | 000 | 000 |
| 061 | Future use | Future use | Future use | Future Use | Future Use |
| 062 | Access granted to user | 000 | User codes 001 to 255 | 001 to 255 | 001 to 255 |
| | | 001 | User codes 256 to 511 | 000 to 255 | 000 to 255 |
| | | 002 | User codes 512 to 767 | 000 to 255 | 000 to 255 |
| | | 003 | User codes 768 to 999 | 000 to 231 | 000 to 231 |
| | | 255 | Any user code | Not Used | Not Used |
| 063 | Access denied to user | 000 | Unregistered access code | 000 | 000 |
| | | 000 | User codes 001 to 255 | 001 to 255 | 001 to 255 |
| | | 001 | User codes 256 to 511 | 000 to 255 | 000 to 255 |
| | | 002 | User codes 512 to 767 | 000 to 255 | 000 to 255 |
| | | 003 | User codes 768 to 999 | 000 to 231 | 000 to 231 |
| | | 255 | Any user code | Not Used | Not Used |

Table 17: List of event and feature groups (Continued)

| A Event Group | Event | B Feature Group | Feature | C Start # | D End # |
|------------------|----------------|-----------------------------------|---|--------------|------------|
| 064 | Status 1 | See Notes for Table 17 on page 21 | Armed | 000 | 000 |
| | | | Force armed | 001 | 001 |
| | | | Stay armed | 002 | 002 |
| | | | Instant armed | 003 | 003 |
| | | | Strobe alarm | 004 | 004 |
| | | | Silent alarm | 005 | 005 |
| | | | Audible alarm | 006 | 006 |
| | | | Fire alarm | 007 | 007 |
| 065 | Status 2 | See Notes for Table 17 on page 21 | Ready | 000 | 000 |
| | | | Exit delay | 001 | 001 |
| | | | Entry delay | 002 | 002 |
| | | | System in trouble | 003 | 003 |
| | | | Alarm in memory | 004 | 004 |
| | | | Zones bypassed | 005 | 005 |
| | | | Bypass, master, installer programming | 006 | 006 |
| | | | Keypad lockout | 007 | 007 |
| 066 | Status 3 | See Notes for Table 17 on page 21 | Intellizone delay engaged** | 000 | 000 |
| | | | Fire delay engaged | 001 | 001 |
| | | | Auto arm | 002 | 002 |
| | | | Arming with voice module (set until exit delay finishes) | 003 | 003 |
| | | | Tamper | 004 | 004 |
| | | | Zone low battery | 005 | 005 |
| | | | Fire loop trouble | 006 | 006 |
| | | | Zone supervision trouble | 007 | 007 |
| 067** | Special status | - | Chime in partition 1 to 4 (000 to 003 = system 1 to 4) | 000 to 003 | 000 to 003 |
| | | | Smoke detector power reset | 004 | 004 |
| | | | Ground start | 005 | 005 |
| | | | Kiss off | 006 | 006 |
| | | | Telephone ring | 007 | 007 |
| | | | Bell on partition 1 to 8 (008 to 015 = partitions 1 to 8) | 008 to 015 | 008 to 015 |
| | | | Pulsed alarm in partition 1 to 8 (016 to 023 = partitions 1 to 8) | 016 to 023 | 016 to 023 |
| | | | Open/close Kiss off in partition 1 to 8 (024 to 031 = partitions 1 to 8) | 024 to 031 | 024 to 031 |
| | | | Keyswitch/PGM inputs # 01 to 32 (032 to 063 = Keyswitch/PGM inputs # 01 to 32) | 032 to 063 | 032 to 063 |
| | | | Status of access door 01 to 32 (064 to 095 = access doors 01 to 32) | 064 to 095 | 064 to 095 |
| | | | Trouble in system | 096 | 096 |
| | | | Trouble in dialer | 097 | 097 |
| | | | Trouble in module | 098 | 098 |
| | | | Trouble in combus | 099 | 099 |
| | | | Future use | 100 to 102 | 100 to 102 |
| | | | Time and date trouble | 103 | 103 |
| AC failure | 104 | 104 | | | |
| Battery failure | 105 | 105 | | | |

Table 17: List of event and feature groups (Continued)

| A Event Group | Event | B Feature Group | Feature | C Start # | D End # |
|------------------|---------------------------|--------------------|-------------------------------|--------------|------------|
| 067** (cont.) | Special status (cont.) | - | Auxiliary current limit | 106 | 106 |
| | | | Bell current limit | 107 | 107 |
| | | | Bell absent | 108 | 108 |
| | | | ROM error | 109 | 109 |
| | | | RAM error | 110 | 110 |
| | | | Future use | 111 | 111 |
| | | | TLM 1 trouble | 112 | 112 |
| | | | Fail to communicate 1 | 113 | 113 |
| | | | Fail to communicate 2 | 114 | 114 |
| | | | Fail to communicate 3 | 115 | 115 |
| | | | Fail to communicate 4 | 116 | 116 |
| | | | Fail to communicate with PC | 117 | 117 |
| | | | Future use | 118 | 118 |
| | | | Future use | 119 | 119 |
| | | | Module tamper trouble | 120 | 120 |
| | | | Module ROM error | 121 | 121 |
| | | | Module TLM error | 122 | 122 |
| | | | Module Failure to communicate | 123 | 123 |
| | | | Module printer trouble | 124 | 124 |
| | | | Module AC failure | 125 | 125 |
| | | | Module battery trouble | 126 | 126 |
| | | | Module auxiliary failure | 127 | 127 |
| | | | Missing keypad | 128 | 128 |
| | | | Missing module | 129 | 129 |
| | | | Future use | 130 to 132 | 130 to 132 |
| | | | Global combus failure | 133 | 133 |
| Combus overload | 134 | 134 | | | |
| Future use | 135 | 135 | | | |
| Dialer relay | 136 | 136 | | | |
| 070 | Clock | - | - | Hour | Minutes |

* If a keyswitch input is used, the input must be defined as *Generates a Utility Key Event on Open* or *Generates a Utility Key Event on Open and Close*. If a remote control is used, the remote control button must be defined as a utility key button.

** These events or event groups cannot be used for a module's PGM programming.

† Actions that activate a utility key event.

Utility Keys

Table 18: Description of utility keys

| Utility Key Event | Keypad Utility Keys | Keyswitch Inputs (definition = [3]) | Keyswitch Inputs (definition = [4]) | Remote Control |
|-------------------|--|--|--|-------------------------------------|
| 1 | 1 & 2 | Keyswitch input 1 opens | Keyswitch input 1 opens | Utility key 1 remote control button |
| 2 | 4 & 5 | Keyswitch input 2 opens | Keyswitch input 1 closes | Utility key 2 remote control button |
| 3 | 7 & 8 | Keyswitch input 3 opens | Keyswitch input 2 opens | Utility key 3 remote control button |
| 4 | CLEAR & 0 or * & 0 | Keyswitch input 4 opens | Keyswitch input 2 closes | Utility key 4 remote control button |
| 5 | 2 & 3 | Keyswitch input 5 opens | Keyswitch input 3 opens | Utility key 5 remote control button |
| 6 | 5 & 6 | Keyswitch input 6 opens | Keyswitch input 3 closes | - |
| 7 | 8 & 9 | Keyswitch input 7 opens | Keyswitch input 4 opens | - |
| 8 | 0 & ENTER or 0 & # | Keyswitch input 8 opens | Keyswitch input 4 closes | - |
| 9 | - | Keyswitch input 9 opens | Keyswitch input 5 opens | - |
| 10 | - | Keyswitch input 10 opens | Keyswitch input 5 closes | - |
| 11 | - | Keyswitch input 11 opens | Keyswitch input 6 opens | - |
| 12 | - | Keyswitch input 12 opens | Keyswitch input 6 closes | - |
| 13 | - | Keyswitch input 13 opens | Keyswitch input 7 opens | - |
| 14 | - | Keyswitch input 14 opens | Keyswitch input 7 closes | - |
| 15 | - | Keyswitch input 15 opens | Keyswitch input 8 opens | - |
| 16 | - | Keyswitch input 16 opens | Keyswitch input 8 closes | - |
| 17 | - | Keyswitch input 17 opens | Keyswitch input 9 opens | - |
| 18 | - | Keyswitch input 18 opens | Keyswitch input 9 closes | - |
| ↓ | - | ↓ | ↓ | - |
| 31 | - | Keyswitch input 31 opens | Keyswitch input 16 opens | - |
| 32 | - | Keyswitch input 32 opens | Keyswitch input 16 closes | - |
| 33 | - | - | Keyswitch input 17 opens | - |
| 34 | - | - | Keyswitch input 17 closes | - |
| ↓ | - | - | ↓ | - |
| 63 | - | - | Keyswitch input 32 opens | - |
| 64 | - | - | Keyswitch input 32 closes | - |

NOTE: Refer to the *RTX3 Reference and Installation Manual* for instructions on how to program remote control buttons.

Input Speeds

Worksheet 9: Input Speeds

| Section | Data: Decimal Value (001 to 255 x 30 msec.) | Description (Default Setting: 600 msec.) | Section | Data: Decimal Value (001 to 255 x 30 msec.) | Description (Default Setting: 600 msec.) |
|---------|---|---|---------|---|---|
| [0961] | __/_/___ | Input speed of input 01 | [0969] | __/_/___ | Input speed of input 09 (ATZ of input 01) |
| [0962] | __/_/___ | Input speed of input 02 | [0970] | __/_/___ | Input speed of input 10 (ATZ of input 02) |
| [0963] | __/_/___ | Input speed of input 03 | [0971] | __/_/___ | Input speed of input 11 (ATZ of input 03) |
| [0964] | __/_/___ | Input speed of input 04 | [0972] | __/_/___ | Input speed of input 12 (ATZ of input 04) |
| [0965] | __/_/___ | Input speed of input 05 | [0973] | __/_/___ | Input speed of input 13 (ATZ of input 05) |
| [0966] | __/_/___ | Input speed of input 06 | [0974] | __/_/___ | Input speed of input 14 (ATZ of input 06) |
| [0967] | __/_/___ | Input speed of input 07 | [0975] | __/_/___ | Input speed of input 15 (ATZ of input 07) |
| [0968] | __/_/___ | Input speed of input 08 | [0976] | __/_/___ | Input speed of input 16 (ATZ of input 08) |

Installer Code Programming

Worksheet 10: Installer Code Programming

| Section | Data | Description (Default Setting: 000000) |
|---------|----------------------|--|
| [1000] | __/_/___/___/___/___ | Installer code (refer to section [3001], in worksheet 20 on page 39) |

User Code Options

Use the following section to program access codes when using the K641/K641+/K641R/K641LX or K656 keypads. With this section you can program user codes options, partition assignment, and access control features for users 001 to 999. Always refer to the keypad's respective user manual for additional, pertinent information on how to program users, as well as user labels. Complete user manuals are available on our Web site at paradox.com.

To program user code options:

1. Press and hold **0**.
2. Enter the installer code.
3. Enter the section you wish to program. Sections **[1001]** to **[1999]** represent user numbers 001 to 999.
4. In *User Code Options*, set the desired options, by referring to table 15. Press **ENTER** or **▲** to save your settings and advance to the next section.
5. In *User Area Assignment*, set the desired options, by referring to table 16. Press **ENTER** or **▲** to save your settings and advance to the next section.
6. In *Access Level and Schedule Assignment*, enter the desired settings, by referring to figure 1.
7. In *Access Control User Options*, set the desired options, by referring to table 17. Press **ENTER** or **▲** to save your settings and advance to the next section.
8. In *Access Card*, enter the access card's serial number manually, or present the card to the reader which is connected to the keypad.
9. In *Remote Control Assignment*, enter the remote's serial number manually, or press a remote button twice. Remotes can also be assigned using a master code.

Table 15: User options for EVOHD

| Input Value | | Description (Master Feature) |
|-------------|-----|--|
| 1 | 2 | |
| OFF | ON | Disabled |
| ON | OFF | Master: user can only program user access codes |
| ON | ON | Full Master: user can program user access codes, options, and assignments |
| Input Value | | Description |
| 3 | | Duress |
| 4 | | Bypass |
| 5 | | Arm only |
| 6 | | Stay & Instant |
| 7 | | Force |
| 8 | | OFF: access keypad's partition only ON: access any partition assigned to user |

Table 16: User area assignment for EVOHD

| Input Value | Description |
|---|---------------------------|
| 1 | User has access to area 1 |
| 2 | User has access to area 2 |
| 3 | User has access to area 3 |
| 4 | User has access to area 4 |
| 5 | User has access to area 5 |
| 6 | User has access to area 6 |
| 7 | User has access to area 7 |
| 8 | User has access to area 8 |
| The default setting depends on the programming user's assigned partitions. For example, when a Master user – who is already assigned to partitions 1 and 2 – programs a user code, partitions 1 and 2 will be the default setting for the new user. | |

Figure 1: Description of the Access Level and Schedule Assignment setting.

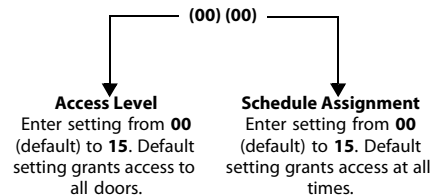


Table 17: Access control user options for EVOHD

| Input Value | | Description |
|-------------|-----|--|
| 1 | | Access control |
| 2 | | Disarm on access granted |
| 3 | | Extended unlock delay on access |
| 6 | | Add tolerance window to schedule |
| 7 | | Access code follows schedule |
| 8 | | OFF: unlock and disarm area(s) on access granted ON: code must be entered at security keypad, to disarm |
| Input Value | | Description (Arming upon access granted) |
| 4 | 5 | |
| OFF | OFF | Disabled |
| ON | OFF | Regular arm |
| OFF | ON | Stay arm |
| ON | ON | Force arm |

Arming and Disarming Report Codes

Use the following section to program arming and disarming report codes on your EVOHD control panel. Use worksheet 11 to record your settings. For Ademco Slow, Silent Knight Fast, SESCOA, Ademco Express, or pager formats, key-in desired two-digit hex values from 00 to FF.

Ademco Format

- Use section **[4033]** to program a set of default Ademco report codes, using table 49 (*List of automatic report codes*), on page 57.
- To program the remaining report codes or change certain defaults, access the individual sections and key-in the desired two-digit hex value, found in table 50 (*List of Ademco contact ID report codes*), on page 60.

SIA Format

- Use section **[4033]** to program a set of SIA report codes, using table 49 (*List of automatic report codes*), on page 57.
- Codes that have not been set to *default* can be set as such manually, by entering FF in the appropriate section.
- To disable the reporting of an event, enter **00** in the appropriate section.

Worksheet 11: Arming and Disarming Report Codes

| Section | Access Code | Arming | Section | Access Code | Arming | Section | Access Code | Arming | Section | Access Code | Disarming | Section | Access Code | Disarming | Section | Access Code | Disarming |
|---------|-------------|--------|---------|-------------|--------|---------|-------------|--------|---------|-------------|-----------|---------|-------------|-----------|---------|-------------|-----------|
| [2001] | 1 | ___ | [2048] | 48 | ___ | [2095] | 95 | ___ | [2101] | 1 | ___ | [2148] | 48 | ___ | [2195] | 95 | ___ |
| [2002] | 2 | ___ | [2049] | 49 | ___ | [2096] | 96 | ___ | [2102] | 2 | ___ | [2149] | 49 | ___ | [2196] | 96 | ___ |
| [2003] | 3 | ___ | [2050] | 50 | ___ | [2097] | 97 | ___ | [2103] | 3 | ___ | [2150] | 50 | ___ | [2197] | 97 | ___ |
| [2004] | 4 | ___ | [2051] | 51 | ___ | [2098] | 98 | ___ | [2104] | 4 | ___ | [2151] | 51 | ___ | [2198] | 98 | ___ |
| [2005] | 5 | ___ | [2052] | 52 | ___ | [2099] | 99-999 | ___ | [2105] | 5 | ___ | [2152] | 52 | ___ | [2199] | 99-999 | ___ |
| [2006] | 6 | ___ | [2053] | 53 | ___ | | | | [2106] | 6 | ___ | [2153] | 53 | ___ | | | |
| [2007] | 7 | ___ | [2054] | 54 | ___ | | | | [2107] | 7 | ___ | [2154] | 54 | ___ | | | |
| [2008] | 8 | ___ | [2055] | 55 | ___ | | | | [2108] | 8 | ___ | [2155] | 55 | ___ | | | |
| [2009] | 9 | ___ | [2056] | 56 | ___ | | | | [2109] | 9 | ___ | [2156] | 56 | ___ | | | |
| [2010] | 10 | ___ | [2057] | 57 | ___ | | | | [2110] | 10 | ___ | [2157] | 57 | ___ | | | |
| [2011] | 11 | ___ | [2058] | 58 | ___ | | | | [2111] | 11 | ___ | [2158] | 58 | ___ | | | |
| [2012] | 12 | ___ | [2059] | 59 | ___ | | | | [2112] | 12 | ___ | [2159] | 59 | ___ | | | |
| [2013] | 13 | ___ | [2060] | 60 | ___ | | | | [2113] | 13 | ___ | [2160] | 60 | ___ | | | |
| [2014] | 14 | ___ | [2061] | 61 | ___ | | | | [2114] | 14 | ___ | [2161] | 61 | ___ | | | |
| [2015] | 15 | ___ | [2062] | 62 | ___ | | | | [2115] | 15 | ___ | [2162] | 62 | ___ | | | |
| [2016] | 16 | ___ | [2063] | 63 | ___ | | | | [2116] | 16 | ___ | [2163] | 63 | ___ | | | |
| [2017] | 17 | ___ | [2064] | 64 | ___ | | | | [2117] | 17 | ___ | [2164] | 64 | ___ | | | |
| [2018] | 18 | ___ | [2065] | 65 | ___ | | | | [2118] | 18 | ___ | [2165] | 65 | ___ | | | |
| [2019] | 19 | ___ | [2066] | 66 | ___ | | | | [2119] | 19 | ___ | [2166] | 66 | ___ | | | |
| [2020] | 20 | ___ | [2067] | 67 | ___ | | | | [2120] | 20 | ___ | [2167] | 67 | ___ | | | |
| [2021] | 21 | ___ | [2068] | 68 | ___ | | | | [2121] | 21 | ___ | [2168] | 68 | ___ | | | |
| [2022] | 22 | ___ | [2069] | 69 | ___ | | | | [2122] | 22 | ___ | [2169] | 69 | ___ | | | |
| [2023] | 23 | ___ | [2070] | 70 | ___ | | | | [2123] | 23 | ___ | [2170] | 70 | ___ | | | |
| [2024] | 24 | ___ | [2071] | 71 | ___ | | | | [2124] | 24 | ___ | [2171] | 71 | ___ | | | |
| [2025] | 25 | ___ | [2072] | 72 | ___ | | | | [2125] | 25 | ___ | [2172] | 72 | ___ | | | |
| [2026] | 26 | ___ | [2073] | 73 | ___ | | | | [2126] | 26 | ___ | [2173] | 73 | ___ | | | |
| [2027] | 27 | ___ | [2074] | 74 | ___ | | | | [2127] | 27 | ___ | [2174] | 74 | ___ | | | |
| [2028] | 28 | ___ | [2075] | 75 | ___ | | | | [2128] | 28 | ___ | [2175] | 75 | ___ | | | |
| [2029] | 29 | ___ | [2076] | 76 | ___ | | | | [2129] | 29 | ___ | [2176] | 76 | ___ | | | |
| [2030] | 30 | ___ | [2077] | 77 | ___ | | | | [2130] | 30 | ___ | [2177] | 77 | ___ | | | |
| [2031] | 31 | ___ | [2078] | 78 | ___ | | | | [2131] | 31 | ___ | [2178] | 78 | ___ | | | |
| [2032] | 32 | ___ | [2079] | 79 | ___ | | | | [2132] | 32 | ___ | [2179] | 79 | ___ | | | |
| [2033] | 33 | ___ | [2080] | 80 | ___ | | | | [2133] | 33 | ___ | [2180] | 80 | ___ | | | |
| [2034] | 34 | ___ | [2081] | 81 | ___ | | | | [2134] | 34 | ___ | [2181] | 81 | ___ | | | |
| [2035] | 35 | ___ | [2082] | 82 | ___ | | | | [2135] | 35 | ___ | [2182] | 82 | ___ | | | |
| [2036] | 36 | ___ | [2083] | 83 | ___ | | | | [2136] | 36 | ___ | [2183] | 83 | ___ | | | |
| [2037] | 37 | ___ | [2084] | 84 | ___ | | | | [2137] | 37 | ___ | [2184] | 84 | ___ | | | |
| [2038] | 38 | ___ | [2085] | 85 | ___ | | | | [2138] | 38 | ___ | [2185] | 85 | ___ | | | |
| [2039] | 39 | ___ | [2086] | 86 | ___ | | | | [2139] | 39 | ___ | [2186] | 86 | ___ | | | |
| [2040] | 40 | ___ | [2087] | 87 | ___ | | | | [2140] | 40 | ___ | [2187] | 87 | ___ | | | |
| [2041] | 41 | ___ | [2088] | 88 | ___ | | | | [2141] | 41 | ___ | [2188] | 88 | ___ | | | |
| [2042] | 42 | ___ | [2089] | 89 | ___ | | | | [2142] | 42 | ___ | [2189] | 89 | ___ | | | |
| [2043] | 43 | ___ | [2090] | 90 | ___ | | | | [2143] | 43 | ___ | [2190] | 90 | ___ | | | |
| [2044] | 44 | ___ | [2091] | 91 | ___ | | | | [2144] | 44 | ___ | [2191] | 91 | ___ | | | |
| [2045] | 45 | ___ | [2092] | 92 | ___ | | | | [2145] | 45 | ___ | [2192] | 92 | ___ | | | |
| [2046] | 46 | ___ | [2093] | 93 | ___ | | | | [2146] | 46 | ___ | [2193] | 93 | ___ | | | |
| [2047] | 47 | ___ | [2094] | 94 | ___ | | | | [2147] | 47 | ___ | [2194] | 94 | ___ | | | |

Access Control Sections

Use the following section to program access control features, such as assigning doors, as well as schedule and holiday programming.

Assigning Doors to the System

These doors are used to program the access levels in sections [2601] to [2615]. If a door must be linked to the alarm system, install a door contact and assign it to a zone (see *Zone Programming* on page 10). Use worksheet 12 to record your settings.

NOTE: Under the *Door Numbering* column of worksheet 12, enter the eight-digit serial number of the access control module or keypad.

Table 19: Description of the different door options

| Door Option | Name | Description |
|-------------|----------------------------|---|
| 1 | OR/AND door access | Each door can be programmed to grant access only to cards assigned to at least one of the door's partitions (<i>OR Door Access</i>), or to cards assigned to all the door's assigned partitions (<i>AND Door Access</i>). Enabling option 1 will set the door in <i>OR</i> mode; disabling it will set the door in <i>AND</i> mode. |
| 2 | User code access | When option 2 is disabled, the access control door is accessed by presenting the access card to the reader. When option 2 is enabled, a reader is not needed to access the controlled door. To access the controlled door, the user must enter an access code and then press ACC on the K641/K641+/K641R/K641LX keypads, or MENU > 8 , and then enter access code, when using the K656 keypad. |
| 3 | Card and code access | When option 3 is enabled, both a valid access control card and user access code must be used. The access control card and user access code must belong to the same user. When option 3 is disabled, either a valid access control card or user access code must be used to access the controlled door (keypad with reader only). |
| 4 | Restrict arming on door | When option 4 is enabled, that door's reader cannot be used to arm the system, even if the access control card has the arming option enabled. |
| 5 | Restrict disarming on door | When option 5 is enabled, that door's reader cannot be used to disarm the system, even if the access control card has the disarming option enabled. |

Worksheet 12: Assigning Doors

| Door Numbering | | | Door Options | | Door Labels | |
|----------------|--------|---------------------------|--------------|-----------------|-------------|--------------------------|
| Section | Door # | Eight-digit Serial Number | Section | Option | Section | Label |
| [2201] | 1 | ____/____/____/____/____ | [2251] | 1 2 3 4 5 * * * | [2301] | ____/____/____/____/____ |
| [2202] | 2 | ____/____/____/____/____ | [2252] | 1 2 3 4 5 * * * | [2302] | ____/____/____/____/____ |
| [2203] | 3 | ____/____/____/____/____ | [2253] | 1 2 3 4 5 * * * | [2303] | ____/____/____/____/____ |
| [2204] | 4 | ____/____/____/____/____ | [2254] | 1 2 3 4 5 * * * | [2304] | ____/____/____/____/____ |
| [2205] | 5 | ____/____/____/____/____ | [2255] | 1 2 3 4 5 * * * | [2305] | ____/____/____/____/____ |
| [2206] | 6 | ____/____/____/____/____ | [2256] | 1 2 3 4 5 * * * | [2306] | ____/____/____/____/____ |
| [2207] | 7 | ____/____/____/____/____ | [2257] | 1 2 3 4 5 * * * | [2307] | ____/____/____/____/____ |
| [2208] | 8 | ____/____/____/____/____ | [2258] | 1 2 3 4 5 * * * | [2308] | ____/____/____/____/____ |
| [2209] | 9 | ____/____/____/____/____ | [2259] | 1 2 3 4 5 * * * | [2309] | ____/____/____/____/____ |
| [2210] | 10 | ____/____/____/____/____ | [2260] | 1 2 3 4 5 * * * | [2310] | ____/____/____/____/____ |
| [2211] | 11 | ____/____/____/____/____ | [2261] | 1 2 3 4 5 * * * | [2311] | ____/____/____/____/____ |
| [2212] | 12 | ____/____/____/____/____ | [2262] | 1 2 3 4 5 * * * | [2312] | ____/____/____/____/____ |
| [2213] | 13 | ____/____/____/____/____ | [2263] | 1 2 3 4 5 * * * | [2313] | ____/____/____/____/____ |
| [2214] | 14 | ____/____/____/____/____ | [2264] | 1 2 3 4 5 * * * | [2314] | ____/____/____/____/____ |
| [2215] | 15 | ____/____/____/____/____ | [2265] | 1 2 3 4 5 * * * | [2315] | ____/____/____/____/____ |
| [2216] | 16 | ____/____/____/____/____ | [2266] | 1 2 3 4 5 * * * | [2316] | ____/____/____/____/____ |
| [2217] | 17 | ____/____/____/____/____ | [2267] | 1 2 3 4 5 * * * | [2317] | ____/____/____/____/____ |
| [2218] | 18 | ____/____/____/____/____ | [2268] | 1 2 3 4 5 * * * | [2318] | ____/____/____/____/____ |
| [2219] | 19 | ____/____/____/____/____ | [2269] | 1 2 3 4 5 * * * | [2319] | ____/____/____/____/____ |
| [2220] | 20 | ____/____/____/____/____ | [2270] | 1 2 3 4 5 * * * | [2320] | ____/____/____/____/____ |
| [2221] | 21 | ____/____/____/____/____ | [2271] | 1 2 3 4 5 * * * | [2321] | ____/____/____/____/____ |
| [2222] | 22 | ____/____/____/____/____ | [2272] | 1 2 3 4 5 * * * | [2322] | ____/____/____/____/____ |
| [2223] | 23 | ____/____/____/____/____ | [2273] | 1 2 3 4 5 * * * | [2323] | ____/____/____/____/____ |
| [2224] | 24 | ____/____/____/____/____ | [2274] | 1 2 3 4 5 * * * | [2324] | ____/____/____/____/____ |
| [2225] | 25 | ____/____/____/____/____ | [2275] | 1 2 3 4 5 * * * | [2325] | ____/____/____/____/____ |
| [2226] | 26 | ____/____/____/____/____ | [2276] | 1 2 3 4 5 * * * | [2326] | ____/____/____/____/____ |
| [2227] | 27 | ____/____/____/____/____ | [2277] | 1 2 3 4 5 * * * | [2327] | ____/____/____/____/____ |
| [2228] | 28 | ____/____/____/____/____ | [2278] | 1 2 3 4 5 * * * | [2328] | ____/____/____/____/____ |
| [2229] | 29 | ____/____/____/____/____ | [2279] | 1 2 3 4 5 * * * | [2329] | ____/____/____/____/____ |
| [2230] | 30 | ____/____/____/____/____ | [2280] | 1 2 3 4 5 * * * | [2330] | ____/____/____/____/____ |
| [2231] | 31 | ____/____/____/____/____ | [2281] | 1 2 3 4 5 * * * | [2331] | ____/____/____/____/____ |
| [2232] | 32 | ____/____/____/____/____ | [2282] | 1 2 3 4 5 * * * | [2332] | ____/____/____/____/____ |

Schedule Programming

Each schedule determines when users are permitted access. Schedules 001 to 015 (sections [2401] to [2415]) are primary schedules. Primary schedules are the only schedules that can be assigned to a user access code. Schedules 016 to 032 (sections [2416] to [2432]) are secondary schedules. Secondary schedules cannot be assigned to a user access code and can only be used as backup schedules. Use worksheet 13 to record your settings for primary schedules and worksheet 14 on page 35, for secondary schedules.

WARNING: The Start and End Time of a schedule cannot cross over into another day. For example, to program a shift from 10 PM to 6 AM the next morning, you must program the schedule as follows: Schedule A – start time: 22:00 and end time: 23:59; then program Schedule B – start time: 00:00 and end time: 06:00. The schedule will not be interrupted between 23:59 and 00:00.

Primary Schedules

Worksheet 13: Programming Primary Schedules

| Section | Schedule | Interval | Start Time (From) | End Time (To) | Days of the Week (Turn ON or OFF) | | | | | | | |
|---------|----------|------------|----------------------|------------------|-----------------------------------|---|---|---|---|---|---|---|
| | | | | | S | M | T | W | T | F | S | H |
| [2401] | 001 | Schedule A | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [2402] | 002 | Schedule A | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [2403] | 003 | Schedule A | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [2404] | 004 | Schedule A | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [2405] | 005 | Schedule A | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [2406] | 006 | Schedule A | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [2407] | 007 | Schedule A | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [2408] | 008 | Schedule A | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [2409] | 009 | Schedule A | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [2410] | 010 | Schedule A | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [2411] | 011 | Schedule A | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [2412] | 012 | Schedule A | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [2413] | 013 | Schedule A | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [2414] | 014 | Schedule A | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [2415] | 015 | Schedule A | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [2416] | 016 | Schedule A | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ____ : ____ | ____ : ____ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

Secondary Schedules

Worksheet 14: Programming Secondary Schedules

| Section | Schedule | Interval | Start Time (From) | End Time (To) | Days of the Week (Turn ON or OFF) | | | | | | | |
|---------|----------|------------|----------------------|------------------|-----------------------------------|---|---|---|---|---|---|---|
| | | | | | S | M | T | W | T | F | S | H |
| [2401] | 017 | Schedule A | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [2402] | 018 | Schedule A | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [2403] | 019 | Schedule A | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [2404] | 020 | Schedule A | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [2405] | 021 | Schedule A | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [2406] | 022 | Schedule A | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [2407] | 023 | Schedule A | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [2408] | 024 | Schedule A | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [2409] | 025 | Schedule A | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [2410] | 026 | Schedule A | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [2411] | 027 | Schedule A | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [2412] | 028 | Schedule A | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [2413] | 029 | Schedule A | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [2414] | 030 | Schedule A | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [2415] | 031 | Schedule A | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [2416] | 032 | Schedule A | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

Backup Schedules

Each programmed schedule (see *Schedule Programming* on page 34) can be backed-up or linked to another schedule. The backup will be used in the event that the first schedule is invalid. In worksheet 15, enter the three-digit number of the schedule you wish to use as the backup. For instance, if you wish to back-up Schedule 001 to Schedule 011, enter **011** in section **[2501]**.

The control panel will verify up to eight linked schedules, one after another, until it determines whether the card or code is valid. For example, if Schedule 001 is linked to Schedule 005, and Schedule 005 is linked to Schedule 030, then the control panel will verify Schedules 001, 005 and 030.

Worksheet 15: Programming Backup Schedules

| Section | Schedule | Backup Schedule | Section | Schedule | Backup Schedule |
|---------|----------|-----------------|---------|----------|-----------------|
| [2501] | 001 | ___/___/___ | [2517] | 017 | ___/___/___ |
| [2502] | 002 | ___/___/___ | [2518] | 018 | ___/___/___ |
| [2503] | 003 | ___/___/___ | [2519] | 019 | ___/___/___ |
| [2504] | 004 | ___/___/___ | [2520] | 020 | ___/___/___ |
| [2505] | 005 | ___/___/___ | [2521] | 021 | ___/___/___ |
| [2506] | 006 | ___/___/___ | [2522] | 022 | ___/___/___ |
| [2507] | 007 | ___/___/___ | [2523] | 023 | ___/___/___ |
| [2508] | 008 | ___/___/___ | [2524] | 024 | ___/___/___ |
| [2509] | 009 | ___/___/___ | [2525] | 025 | ___/___/___ |
| [2510] | 010 | ___/___/___ | [2526] | 026 | ___/___/___ |
| [2511] | 011 | ___/___/___ | [2527] | 027 | ___/___/___ |
| [2512] | 012 | ___/___/___ | [2528] | 028 | ___/___/___ |
| [2513] | 013 | ___/___/___ | [2529] | 029 | ___/___/___ |
| [2514] | 014 | ___/___/___ | [2530] | 030 | ___/___/___ |
| [2515] | 015 | ___/___/___ | [2531] | 031 | ___/___/___ |
| [2516] | 016 | ___/___/___ | [2532] | 032 | ___/___/___ |

Access Levels

Each access level is a combination of access control doors. For example, if option 1 in the first screen is enabled in section [2601], Level 01 will allow access only to Door 01. Use worksheet 16 to record your settings.

Worksheet 16: Programming Access Levels

| Section | Level | Access to Doors (Turn ON or OFF access) | | | |
|---------|-------|---|--------------------------------|-------------------------------|--------------------------------|
| | | First Screen (Doors 01 to 08) | Second Screen (Doors 09 to 16) | Third Screen (Doors 17 to 24) | Fourth Screen (Doors 25 to 32) |
| [2601] | 01 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 |
| [2602] | 02 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 |
| [2603] | 03 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 |
| [2604] | 04 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 |
| [2605] | 05 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 |
| [2606] | 06 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 |
| [2607] | 07 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 |
| [2608] | 08 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 |
| [2609] | 09 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 |
| [2610] | 10 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 |
| [2611] | 11 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 |
| [2612] | 12 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 |
| [2613] | 13 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 |
| [2614] | 14 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 |
| [2615] | 15 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 |

Holidays

When H is enabled in a schedule, access is permitted to users during the days programmed in the sections below. Use worksheet 17 to record your settings.

Worksheet 17: Programming Holidays

| Section | Month | Days | | | |
|---------|-----------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| | | First Screen (Days 01 to 08) | Second Screen (Days 09 to 16) | Third Screen (Days 17 to 24) | Fourth Screen (Days 25 to 31) |
| [2701] | January | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 * |
| [2702] | February | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 * |
| [2703] | March | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 * |
| [2704] | April | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 * |
| [2705] | May | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 * |
| [2706] | June | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 * |
| [2707] | July | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 * |
| [2708] | August | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 * |
| [2709] | September | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 * |
| [2710] | October | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 * |
| [2711] | November | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 * |
| [2712] | December | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 * |

Keypad Numbering

Use the following section to number the different keypads configured to your system. Sections [2801] to [2832] are used solely for the purpose of identifying a keypad in the event buffer. Enter the eight-digit serial number of the keypad you wish to label as Keypad x, where x represents numbers 1 to 32 (e.g., Keypad 12). The event buffer will then display any events pertaining to this keypad, as Keypad 12. Use worksheet 18 on page 36 to record your settings.

Worksheet 18: Numbering Keypads

| Section | Keypad # | Eight-digit Serial Number | Section | Keypad # | Eight-digit Serial Number |
|---------|----------|---------------------------------|---------|----------|---------------------------------|
| [2801] | 1 | ___/___/___/___/___/___/___/___ | [2817] | 17 | ___/___/___/___/___/___/___/___ |
| [2802] | 2 | ___/___/___/___/___/___/___/___ | [2818] | 18 | ___/___/___/___/___/___/___/___ |
| [2803] | 3 | ___/___/___/___/___/___/___/___ | [2819] | 19 | ___/___/___/___/___/___/___/___ |
| [2804] | 4 | ___/___/___/___/___/___/___/___ | [2820] | 20 | ___/___/___/___/___/___/___/___ |
| [2805] | 5 | ___/___/___/___/___/___/___/___ | [2821] | 21 | ___/___/___/___/___/___/___/___ |
| [2806] | 6 | ___/___/___/___/___/___/___/___ | [2822] | 22 | ___/___/___/___/___/___/___/___ |
| [2807] | 7 | ___/___/___/___/___/___/___/___ | [2823] | 23 | ___/___/___/___/___/___/___/___ |
| [2808] | 8 | ___/___/___/___/___/___/___/___ | [2824] | 24 | ___/___/___/___/___/___/___/___ |
| [2809] | 9 | ___/___/___/___/___/___/___/___ | [2825] | 25 | ___/___/___/___/___/___/___/___ |
| [2810] | 10 | ___/___/___/___/___/___/___/___ | [2826] | 26 | ___/___/___/___/___/___/___/___ |
| [2811] | 11 | ___/___/___/___/___/___/___/___ | [2827] | 27 | ___/___/___/___/___/___/___/___ |
| [2812] | 12 | ___/___/___/___/___/___/___/___ | [2828] | 28 | ___/___/___/___/___/___/___/___ |
| [2813] | 13 | ___/___/___/___/___/___/___/___ | [2829] | 29 | ___/___/___/___/___/___/___/___ |
| [2814] | 14 | ___/___/___/___/___/___/___/___ | [2830] | 30 | ___/___/___/___/___/___/___/___ |
| [2815] | 15 | ___/___/___/___/___/___/___/___ | [2831] | 31 | ___/___/___/___/___/___/___/___ |
| [2816] | 16 | ___/___/___/___/___/___/___/___ | [2832] | 32 | ___/___/___/___/___/___/___/___ |

Remote Control Programming

Use the following section to program the various remote controls in your EVOHD system.

It is possible to configure up to 16 different button templates, which are then assigned to individual users. Each user is pre-programmed with a default button pattern for their remote control: (1 B) (C 0) (template 0).

NOTE: Button definitions and partition/one-touch definitions are linked together to create a button template. For example, Template 0 is comprised of button definition [2900] together with partition/one-touch definition [2916].

Remote Control Templates

To use REM3 templates:

1. Define the 16-button definitions in sections [2900] to [2915].
2. Define the 16-partition/one-touch definitions in sections [2916] to [2931].
3. Define which button template is used as the default for remotes in section [2940].
4. Assign button templates to users in section [2941].

Use the information in tables 16 and 17, as well as figure , to enter data in worksheet 19 on page 38.

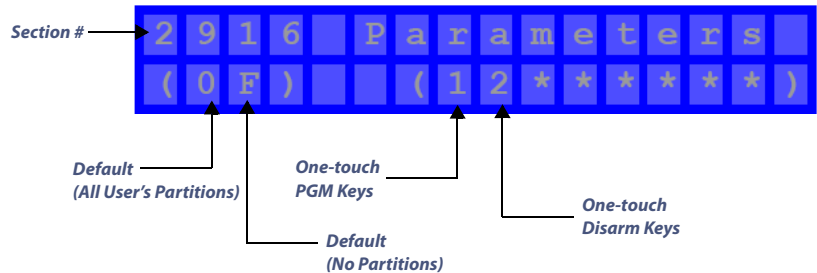
Table 16: Template data for remote control programming

| Entry | | Function |
|-------------------------|-----------|-----------------|
| K641/K641+/K641R/K641LX | K656 | |
| 0 | 0 | Button disabled |
| 1 | 1 | Regular arm |
| 2 | 2 | Stay arm |
| 3 | 3 | Instant arm |
| 4 | 4 | Force arm |
| 5 | 5 | Utility key 5 |
| 6 | 6 | Utility key 6 |
| 7 | 7 | - |
| 8 | 8 | Panic 1 |
| 9 | 9 | Panic 2 |
| A = STAY | A = ARM | Panic 3 |
| B = FORCE | B = SLEEP | Utility key 1 |
| C = ARM | C = STAY | Utility key 2 |
| D = DISARM | D = OFF | Utility key 3 |
| E = BYP | E = MENU | Utility key 4 |
| F = MEM | F = ☐ | - |

Table 17: Test PGMs and their section numbers

| Section | Name | Description |
|---------|-------------------------|---|
| [2940] | Default button template | To select a button template as the default template, enter 00 to 15 , representing button templates in sections [2900] to [2915]. |
| [2941] | Assign button template | To assign a button template to a user, select the user when prompted, then enter 00 to 15 , representing button templates in sections [2900] to [2915]. If user <i>000</i> is selected, all users are modified. |

Figure 2: Entering data for section [2916] on a LCD keypad (use for worksheet 19 on page 38).



Worksheet 19: Programming Remote Controls

| Template | Default Data Section | REM3 Remote Control | | | | | | | | Section | REM1/REM2/RAC1/RAC2 | | | |
|----------|-------------------------|---------------------|--------------|--------------|--------------|--------------|--------------|------------------------|------------------------|---------|---------------------|-----|-----|----------|
| | | PGM 1 [9] | PGM 2 [0] | PGM 3 [x] | PGM 4 [✓] | PGM 5 [●] | PGM 6 [●] | PGM 3 & 4 [x] + [✓] | PGM 5 & 6 [●] + [●] | | | | | |
| | | 1* | B* | C* | 0* | 5 | 6 | 0 | 0 | | 1 | B | C | Disabled |
| 0 | [2900] | --- | --- | --- | --- | --- | --- | --- | --- | [2900] | --- | --- | --- | --- |
| 1 | [2901] | --- | --- | --- | --- | --- | --- | --- | --- | [2901] | --- | --- | --- | --- |
| 2 | [2902] | --- | --- | --- | --- | --- | --- | --- | --- | [2902] | --- | --- | --- | --- |
| 3 | [2903] | --- | --- | --- | --- | --- | --- | --- | --- | [2903] | --- | --- | --- | --- |
| 4 | [2904] | --- | --- | --- | --- | --- | --- | --- | --- | [2904] | --- | --- | --- | --- |
| 5 | [2905] | --- | --- | --- | --- | --- | --- | --- | --- | [2905] | --- | --- | --- | --- |
| 6 | [2906] | --- | --- | --- | --- | --- | --- | --- | --- | [2906] | --- | --- | --- | --- |
| 7 | [2907] | --- | --- | --- | --- | --- | --- | --- | --- | [2907] | --- | --- | --- | --- |
| 8 | [2908] | --- | --- | --- | --- | --- | --- | --- | --- | [2908] | --- | --- | --- | --- |
| 9 | [2909] | --- | --- | --- | --- | --- | --- | --- | --- | [2909] | --- | --- | --- | --- |
| 10 | [2910] | --- | --- | --- | --- | --- | --- | --- | --- | [2910] | --- | --- | --- | --- |
| 11 | [2911] | --- | --- | --- | --- | --- | --- | --- | --- | [2911] | --- | --- | --- | --- |
| 12 | [2912] | --- | --- | --- | --- | --- | --- | --- | --- | [2912] | --- | --- | --- | --- |
| 13 | [2913] | --- | --- | --- | --- | --- | --- | --- | --- | [2913] | --- | --- | --- | --- |
| 14 | [2914] | --- | --- | --- | --- | --- | --- | --- | --- | [2914] | --- | --- | --- | --- |
| 15 | [2915] | --- | --- | --- | --- | --- | --- | --- | --- | [2915] | --- | --- | --- | --- |

| Template | Section | Partitions ** | | One-touch Keys | |
|----------|---------|--|--------------------------------|---------------------------------------|--------------------------|
| | | | | One-touch PGM Keys | One-touch Disarm Keys |
| | | Default = 0 (All user's partitions) | Default = F (No partitions) | ▲ = Disabled (default) □ = Enabled | |
| 0 | [2916] | --- | --- | <input type="checkbox"/> | <input type="checkbox"/> |
| 1 | [2917] | --- | --- | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 | [2918] | --- | --- | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 | [2919] | --- | --- | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 | [2920] | --- | --- | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 | [2921] | --- | --- | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 | [2922] | --- | --- | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 | [2923] | --- | --- | <input type="checkbox"/> | <input type="checkbox"/> |
| 8 | [2924] | --- | --- | <input type="checkbox"/> | <input type="checkbox"/> |
| 9 | [2925] | --- | --- | <input type="checkbox"/> | <input type="checkbox"/> |
| 10 | [2926] | --- | --- | <input type="checkbox"/> | <input type="checkbox"/> |
| 11 | [2927] | --- | --- | <input type="checkbox"/> | <input type="checkbox"/> |
| 12 | [2928] | --- | --- | <input type="checkbox"/> | <input type="checkbox"/> |
| 13 | [2929] | --- | --- | <input type="checkbox"/> | <input type="checkbox"/> |
| 14 | [2930] | --- | --- | <input type="checkbox"/> | <input type="checkbox"/> |
| 15 | [2931] | --- | --- | <input type="checkbox"/> | <input type="checkbox"/> |

* REM1/RAC1 and REM2/RAC2 remotes only use the data in these columns.

** If 0 is entered, the associated buttons will control all partitions to which the user is assigned. If F is entered, the associated buttons will be disabled.

Table 21: Description of sections [3028] to [3035] (Continued)

| Section | Option | Description | OFF | ON | |
|---------------------------------------|------------------------------------|--|---|--|-----------------------------------|
| Section [3032] Partition Options 2 | 1 | Bell/siren output in partition 1 | <input type="checkbox"/> Disabled | <input checked="" type="checkbox"/> Enabled | |
| | 2 | Bell/siren output in partition 2 | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled | |
| | 3 | Bell/siren output in partition 3 | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled | |
| | 4 | Bell/siren output in partition 4 | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled | |
| | 5 | Bell/siren output in partition 5 | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled | |
| | 6 | Bell/siren output in partition 6 | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled | |
| | 7 | Bell/siren output in partition 7 | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled | |
| | 8 | Bell/siren output in partition 8 | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled | |
| Section [3034] System Options 4 | 1 & 2 | Wireless Transmitter Supervision Options (see table 23) | - - | See table 23 - | |
| | 3 | Generate supervision failure if detected on a bypassed wireless zone | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | |
| | 4 | Restrict arming on a wireless transmitter supervision failure | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled | |
| | 5 & 6 | Zone & Module Tamper Recognition Options (see table 24) | - - | See table 24 - | |
| | 7 | Generate tamper if detected on bypass zone | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| | 8 | Restrict arming on tamper trouble | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled | |
| | Section [3033] System Options 3 | 1 | Multiple actions in user menu | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled |
| | | 2 | User code length | <input checked="" type="checkbox"/> Fixed | <input type="checkbox"/> Flexible |
| 3 | | User code length (if option 2 is OFF)** | <input checked="" type="checkbox"/> 4 digits | <input type="checkbox"/> 6 digits | |
| 4 | | Power save mode | <input type="checkbox"/> Disabled | <input checked="" type="checkbox"/> Enabled | |
| 5 | | Bypass not displayed while system is armed | <input type="checkbox"/> Disabled | <input checked="" type="checkbox"/> Enabled | |
| 6 | | Trouble latch | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled | |
| 7 | | EOL resistor on hardwire zones | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled | |
| 8 | | Zone doubling (ATZ) | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled | |
| Section [3035] System Options 5 | 1 | Restrict arming on AC failure | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled | |
| | 2 | Restrict arming on battery failure | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled | |
| | 3 | Restrict arming on bell or auxiliary failure | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled | |
| | 4 | Restrict arming on TLM failure | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled | |
| | 5 | Restrict arming on module troubles | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled | |
| | 6 | Account number transmission | <input checked="" type="checkbox"/> Partition # | <input type="checkbox"/> Tel # | |
| | 7 | Transmit zone status on serial port † | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled | |
| | 8 | Future use | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled | |

▲ = Default

* When the combus speed is changed, all operations on the system will be suspended for approximately one minute, while the system adjusts itself.

** All numbers from 000000 to 999999 are valid giving a total of 1,000,000 different possible combinations.

† This option is used by certain event monitoring software, such as Hyperterminal. With BabyWare and printers, it is always being transmitted.

NOTE: You must put a 7Ah battery (or higher) on the system. The speed the battery charges at will vary, depending on power used on the auxiliary port, and the transformer size.

Table 22: Anti-mask supervision options; options 5 and 6 for section [3029]

| Option | | Description |
|--------|-----|--|
| 5 | 6 | |
| OFF | OFF | Disabled (default) |
| OFF | ON | Generates trouble only (when armed or disarmed) |
| ON | OFF | When armed: alarm When disarmed: generates trouble only |
| ON | ON | When armed: alarm When disarmed: alarm |

Table 23: Wireless transmitter supervision options; options 1 and 2 for section [3034]

| Option | | Description |
|--------|-----|---|
| 1 | 2 | |
| OFF | OFF | Disabled (default) |
| OFF | ON | Generates trouble only (when armed or disarmed) |
| ON | OFF | When armed: follows zone types (see <i>Zone Programming</i> on page 10) When disarmed: generates trouble only |
| ON | ON | When armed: follows zone types (see <i>Zone Programming</i> on page 10) When disarmed: generates audible alarm |

Table 24: Zone and module tamper recognition options; options 5 and 6 for section [3034]

| Option | | Description |
|--------|-----|---|
| 5 | 6 | |
| OFF | OFF | Disabled (default) |
| OFF | ON | Generates trouble only (when armed or disarmed) |
| ON | OFF | When armed: follows zone types (see <i>Zone Programming</i> on page 10) for zone tamper; generates trouble for module tamper When disarmed: generates trouble only |
| ON | ON | When armed: follows zone types (see <i>Zone Programming</i> on page 10) When disarmed: generates audible alarm |

Dialer Options

Use the following section to program dialer options on your EVOHD system. Table 25 provides information on sections [3036] and [3037].

Table 25: Description of sections 3036 to 3037

| Section | Option | Description | OFF | | ON | |
|------------------------------------|--------|---|-----|--------------|----|--------------|
| Section [3036] Dialer Options 1 | 1 | Telephone line monitoring (TLM; see table 26) | - | See table 26 | - | See table 26 |
| | 2 | | - | | - | |
| | 3 | Dialer (reporting to monitoring station) | ▲ | Disabled | □ | Enabled |
| | 4 | Dialing method | □ | Pulse | ▲ | Tone (DTMF) |
| | 5 | Pulse ratio (E.U. = Europe; N.A. = North America) | □ | 1:2 (E.U.) | ▲ | 1:1.5 (N.A.) |
| | 6 | Busy tone detection | □ | Disabled | ▲ | Enabled |
| | 7 | Switch to pulse dialing on fifth attempt | ▲ | Disabled | □ | Enabled |
| | 8 | Bell/siren upon communication failure, if system is armed | ▲ | Disabled | □ | Enabled |
| Section [3037] Dialer Options 2 | 1 | Call back | ▲ | Disabled | □ | Enabled |
| | 2 | Automatic event buffer transmission | ▲ | Disabled | □ | Enabled |
| | 3 | AutoTest report transmission options (see <i>AutoTest Report Settings</i> on page 42) | - | See table 27 | - | See table 27 |
| | 4 | | - | | - | |
| | 5 | Keypad beep on successful arming/disarming report | ▲ | Disabled | □ | Enabled |
| | 6 | Alternate dialing | ▲ | Disabled | □ | Enabled |
| | 7 | Dial tone delay (if no dial tone) | ▲ | Force dial | □ | Hang up |
| | 8 | Report zone restore ON = Upon zone closure OFF = Upon bell cut-off | ▲ | Disabled | □ | Enabled |

▲ = Default

Table 26: Telephone line monitoring (TLM) options; options 1 and 2 for section [3036]

| Option | | Description |
|--------|-----|--|
| 1 | 2 | |
| OFF | OFF | Disabled (default) |
| OFF | ON | When armed: generates an audible alarm |
| ON | OFF | When armed: generates a trouble |
| ON | ON | TLM silent alarm: becomes an audible alarm |

Table 27: AutoTest report transmission options; options 3 and 4 for section [3037]

| Option | | Description |
|--------|-----|---|
| 3 | 4 | |
| OFF | OFF | Transmit the test report code every time the days programmed in section [3040] have elapsed, at the time programmed in section [3041]; (default) |
| OFF | ON | When armed: transmit test report code every time the time programmed in section [3042] has elapsed When disarmed: transmit test report code every time the time programmed in section [3043] has elapsed |
| ON | OFF | The control panel will transmit the test report code every hour, on the minute value programmed in section [3041] (the last two digits); the first two digits of section [3041] will be ignored; for example, if 10:25 was programmed in section [3041], the test report code would be transmitted at the 25th minute of every hour; i.e., 11:25, 12:25, etc. |
| ON | ON | The test report code will be transmitted when one or more of the conditions of the second and third options, listed above, are met; i.e., option 3 = OFF and option 4 = ON, or option 3 = ON and option 4 = OFF |

Additional Options

Use the following section to program additional options on your EVOHD system. Table 28 provides information on sections [3038]. Use worksheets 21, 22, and 23 to record your settings.

Table 28: Description of sections [3038] and [2750]

| Section | Option | Description | OFF | | ON | |
|--|--------|---|-----|-----------|----|----------|
| Section [3038] Access Control Options | 1 | Access control feature | ▲ | Disabled | □ | Enabled |
| | 2 | Log <i>Request for Exit</i> in event buffer* | ▲ | Disabled | □ | Enabled |
| | 3 | Log <i>Door Left Open Restore</i> in event buffer | ▲ | Disabled | □ | Enabled |
| | 4 | Log <i>Door Forced Restore</i> in event buffer | ▲ | Disabled | □ | Enabled |
| | 5 | Burglar alarm on forced door | ▲ | Disabled | □ | Enabled |
| | 6 | Skip exit delay when arming with access card | ▲ | Disabled | □ | Enabled |
| | 7 | Burglar alarm on door left open | ▲ | Disabled | □ | Enabled |
| | 8 | Who has access during clock loss | ▲ | All users | □ | Masters* |
| Section [2750] Access Event Reporting Options | 1 | Reporting of <i>Request for Exit</i> | ▲ | Disabled | □ | Enabled |
| | 2 | Reporting of <i>Door control command by PC</i> | ▲ | Disabled | □ | Enabled |
| | 3 | Reporting of <i>Access denied by User</i> | ▲ | Disabled | □ | Enabled |
| | 4 | Reporting of <i>Access Granted by User</i> | ▲ | Disabled | □ | Enabled |
| | 5 | Reporting of <i>Door Left Open and Restore</i> | ▲ | Disabled | □ | Enabled |
| | 6 | Reporting of <i>Door Forced Open and Restore</i> | ▲ | Disabled | □ | Enabled |
| | 7 | Future Use | - | | - | |
| | 8 | Future Use | - | | - | |

▲ = Default
 * Also includes users with 00 for schedule access.

WARNING: Since *Request for Exit* events can occur often, the event buffer may fill up quickly.

Schedule Tolerance Window

Worksheet 21: Schedule Tolerance Window

| Section | Data | Description | Default Setting |
|---------|---------------------|---------------------------|-----------------|
| [3039] | __/__/__ (x 1 min.) | Schedule tolerance window | 000 |

AutoTest Report Settings

Worksheet 22: AutoTest Report Settings

| Section | Data | Description | Default Setting |
|---------|-------------------------------------|-----------------------------|-----------------|
| [3040] | __/__/__ (x 1 day; 000 = disabled) | Schedule tolerance window | 000 |
| [3041] | __/__:__/__(hr. 00-23 & min. 00-59) | AutoTest report time of day | 00:00 |
| [3042] | __/__/__ (000-255 x 1 min.) | Armed report delay | 5 minutes |
| [3043] | __/__/__ (000-255 x 1 min.) | Disarmed report delay | 60 minutes |

NOTE: Refer to table 27 on page 41 for details

Timings

Worksheet 23: Timings Settings

| Section | Data | Description | Default Setting |
|---------|---|--|-----------------|
| [3051] | __/__/__ (000-255) | Ring counter | 008 |
| [3052] | __/__/__ (000-255 x 4 sec.) | Answering machine delay override delay | 32 seconds |
| [3053] | __/__/__ (000-255 x 2sec.) | TLM fail timer | 32 seconds |
| [3054] | __/__/__ (000-127 x 1sec.) | Delay between dialing attempts | 20 seconds |
| [3055] | __/__/__ (000-255 x 1 sec.; 000 = instant report) | Delay alarm transmission timer | 000 |
| [3056] | __/__/__ (000-255 x 1 attempt) | Maximum dialing attempts | 8 attempts |
| [3057] | __/__/__ (000-127 x 1 second) | Pager delay before data transmission | 20 seconds |
| [3058] | __/__/__ (000-255 x 1 min.; 000 = instant report) | Delay power failure report | 30 minutes |
| [3059] | __/__/__ (000-255 x 1 repeat; 000 = no repeat) | Repeat pager report code transmission | 000 |
| [3060] | __/__/__ (000-255 x 1 min.) | Power failure restore delay report | 030 minutes |

Communication Settings

Use the following section to program communication settings on your EVOHD system.

Account Numbers

Use worksheet 24 on page 43 to record your settings.

WARNING: Only the SIA format supports the 0 = 0 digit in its account numbers. Account numbers that use other reporting formats do not support the 0 = 0 digit. In its place, enter A by pressing STAY (for the K641/K641+/K641R/K641LX keypads), or by pressing ARM (for the K656 keypad). When using the SIA format, and the account number transmission (see option 6, in section [3035] on page 40) corresponds to the partition, the control panel only uses the partition 1 account number programmed in section [3061], but the report code includes the partition number.

Worksheet 24: Account Number Settings

| Section | Data (Hex Value: 0000-FFFF) | Description | Default Setting |
|---------|---|--|-----------------|
| [3061] | ___/___/___/___ (If less than four digits, press ENTER) | Account number 1 (partition 1* / MSTN 1**) | 0000 |
| [3062] | ___/___/___/___ (If less than four digits, press ENTER) | Account number 2 (partition 2* / MSTN 2**) | 0000 |
| [3063] | ___/___/___/___ (If less than four digits, press ENTER) | Account number 3 (partition 3* / MSTN 3**) | 0000 |
| [3064] | ___/___/___/___ (If less than four digits, press ENTER) | Account number 4 (partition 4* / MSTN 4**) | 0000 |
| [3065] | ___/___/___/___ (If less than four digits, press ENTER) | Account number 5 (partition 5* / NA**) | 0000 |
| [3066] | ___/___/___/___ (If less than four digits, press ENTER) | Account number 6 (partition 6* / NA**) | 0000 |
| [3067] | ___/___/___/___ (If less than four digits, press ENTER) | Account number 7 (partition 7* / NA**) | 0000 |
| [3068] | ___/___/___/___ (If less than four digits, press ENTER) | Account number 8 (partition 8* / NA**) | 0000 |

* Option 6 in section [3035] is disabled.

** Option 6 in section [3035] is enabled.

NOTE: MSTN is the abbreviation for *Monitoring Station Telephone Number*.

Reporting Formats

Use worksheets 25 and 26 to record your settings.

Table 29: Reporting formats for section [3070]

| Input Value | Description | Input Value | Description |
|-------------|---|-------------|-------------------|
| 0 | Ademco Slow (1400 Hz, 1900 Hz, 10 BPS) | 5 | Ademco contact ID |
| 1 | Silent Knight Fast (1400 Hz, 1900 Hz, 20 BPS) | 6 | SIA FSK (level 2) |
| 2 | Sescoa (2300 Hz, 1800 Hz, 20 BPS) | 7 | Pager |
| 3 | Ademco Express (DTMF 4+2) | | |
| 4 | Pager contact ID | | |

NOTE: For more information on contact ID and SIA reporting formats, see table 49 (*List of automatic report codes*), on page 57.

Worksheet 25: Reporting Formats for Section [3070]

| Section | Tel. # 1 Format | Tel. # 2 Format | Tel. # 3 Format | Tel. # 4 Format | Description |
|---------|-----------------|-----------------|-----------------|-----------------|---|
| [3070] | ___ | ___ | ___ | ___ | Reporting formats for telephone numbers 1 to 4 / IP Receiver 1 to 4 |

NOTE: Use the same format for each number. Only the pager format can be used with other reporting formats.

Table 30: Special telephone number keys for the different keypads

| Function | K641/K641+/K641R/K641LX | K656 | Grafica |
|-------------------------------|-------------------------|----------|--|
| * | STAY | STAY | # (Press key until desired letter/ symbol appears) |
| # | FORCE | SLEEP | |
| Switch to tone dialing (T) | ARM | ARM | |
| Wait for second dial tone (W) | DISARM | OFF | |
| 4-second pause (P) | BYP | MENU | |
| Clear | CLEAR | CLEAR | Left action key (clear) |
| Delete | TRBL | TRBL | - |
| Delete from cursor to the end | ACC | ACC | - |
| Insert space | MEM | MEM | - |
| Dial 9 for outside line | 9 + STAY | 9 + STAY | - |

WARNING: To disable call-waiting for North American installations using either contact ID or SIA reporting formats, enter *70, and then either P (4-second pause) or W (wait for second dial tone) before entering the phone number. This applies to section [3071] to [3074] (see worksheet 26).

Table 35: SMS Language ID

| ID | Language | ID | Language | ID | Language | ID | Language |
|-----|----------|-----|------------|-----|-----------|------------|------------|
| 000 | English | 006 | Portuguese | 012 | Croatian | 018 | Slovak |
| 001 | French | 007 | German | 013 | Greek | 019 | Chinese |
| 002 | Spanish | 008 | Turkish | 014 | Hebrew | 020 | Serbian |
| 003 | Italian | 009 | Hungarian | 015 | Russian | 021 to 255 | Future use |
| 004 | Swedish | 010 | Czech | 016 | Bulgarian | | |
| 005 | Polish | 011 | Dutch | 017 | Romanian | | |

SMS Site Name

Worksheet 30: SMS Site Name Settings

| Section | Label |
|---------|---|
| [2954] | ____/____/____/____/____/____/____/____/____/____/____/____/____/____/____/____ |

IP150/PCS Module (GPRS) Options

Table 36: Section [2975] IP/GPRS Options

| Option | | Description |
|--------------------------------------|--|--|
| 5 | 6 | (IP No Service Trouble Feedback) |
| OFF | OFF | Disabled |
| ON | OFF | When disarmed: trouble only; when armed: trouble only |
| OFF | ON | When disarmed: trouble only; when armed: audible alarm |
| ON | ON | Silent alarm becomes audible alarm |
| Option | | Description |
| 7 | | Use dialer reporting |
| OFF ▲ As IP/GPRS reporting backup | ON □ In addition to IP/GPRS reporting | |
| 8 | | Enable IP/GPRS reporting |
| OFF □ Disabled | ON ▲ Enabled | |

IP/GPRS Reporting Account Programming

Worksheet 31: IP Account Number Settings

| Section | Data | Description |
|---------|---------------------|---|
| [2976] | ____/____/____/____ | IP account partition 1/account 1 number |
| [2977] | ____/____/____/____ | IP account partition 2/account 2 number |
| [2978] | ____/____/____/____ | IP account partition 3/account 3 number |
| [2979] | ____/____/____/____ | IP account partition 4/account 4 number |
| [2980] | ____/____/____/____ | IP account partition 5/account 5 number |
| [2981] | ____/____/____/____ | IP account partition 6/account 6 number |
| [2982] | ____/____/____/____ | IP account partition 7/account 7 number |
| [2983] | ____/____/____/____ | IP account partition 8/account 8 number |

Worksheet 32: IP Receiver 1 Configuration

| Section | Data | Description |
|---------|---|--|
| [2984] | ____/____/____.____/____/____.____/____/____.____/____/____ | WAN1 IP address (e.g., 100.100.100.100); for one or two-digit numbers, add 0s before the first digit |
| | ____/____/____/____ | WAN1 IP port (default: 10000) |
| | ____/____/____.____/____/____.____/____/____.____/____/____ | WAN2 IP address |
| | ____/____/____/____ | WAN2 IP port |
| | ____/____/____/____/____/____/____/____/____/____/____/____/____/____/____/____ | IP password (e.g., 123456) |
| | ____/____ | IP profile (e.g., 01) |
| [2985] | To register IP/GPRS module, press ARM | |

Worksheet 33: IP Receiver 2 Configuration

| Section | Data | Description |
|---------|---|--|
| | ___/___/___ . ___/___/___ . ___/___/___ . ___/___/___ | WAN1 IP address (e.g., 100.100.100.100); for one or two-digit numbers, add 0s before the first digit |
| | ___/___/___ | WAN1 IP port (default: 10000) |
| [2986] | ___/___/___ . ___/___/___ . ___/___/___ . ___/___/___ | WAN2 IP address |
| | ___/___/___ | WAN2 IP port |
| | ___/___/___/___/___/___/___/___/___/___/___/___/___/___/___/___ | IP password (e.g., 123456) |
| | ___/___ | IP profile (e.g., 01) |
| [2987] | To register IP/GPRS module, press ARM | |

Worksheet 34: IP Receiver 3 Configuration

| Section | Data | Description |
|---------|---|--|
| | ___/___/___ . ___/___/___ . ___/___/___ . ___/___/___ | WAN1 IP address (e.g., 100.100.100.100); for one or two-digit numbers, add 0s before the first digit |
| | ___/___/___ | WAN1 IP port (default: 10000) |
| [2988] | ___/___/___ . ___/___/___ . ___/___/___ . ___/___/___ | WAN2 IP address |
| | ___/___/___ | WAN2 IP port |
| | ___/___/___/___/___/___/___/___/___/___/___/___/___/___/___/___ | IP password (e.g., 123456) |
| | ___/___ | IP profile (e.g., 01) |
| [2989] | To register IP/GPRS module, press ARM | |

Worksheet 35: IP Receiver 4 Configuration

| Section | Data | Description |
|---------|---|--|
| | ___/___/___ . ___/___/___ . ___/___/___ . ___/___/___ | WAN1 IP address (e.g., 100.100.100.100); for one or two-digit numbers, add 0s before the first digit |
| | ___/___/___ | WAN1 IP port (default: 10000) |
| [2990] | ___/___/___ . ___/___/___ . ___/___/___ . ___/___/___ | WAN2 IP address |
| | ___/___/___ | WAN2 IP port |
| | ___/___/___/___/___/___/___/___/___/___/___/___/___/___/___/___ | IP password (e.g., 123456) |
| | ___/___ | IP profile (e.g., 01) |
| [2991] | To register IP/GPRS module, press ARM | |

IP Module/PCS Module Report Code Programming

Worksheet 36: PCS Module Report Codes

| Section | Data | Description |
|---------|---------|--------------------------------------|
| | ___/___ | Missing PCS module |
| [2967] | ___/___ | Missing PCS module restore |
| | ___/___ | PCS tamper |
| | ___/___ | PCS tamper restore |
| [2968] | ___/___ | GSM RF jam |
| | ___/___ | GSM RF jam restore |
| | ___/___ | GSM no service |
| | ___/___ | GSM no service restore |
| [2969] | ___/___ | Fail to communicate IPR512 1 |
| | ___/___ | Fail to communicate IPR512 1 restore |
| | ___/___ | Fail to communicate IPR512 2 |
| | ___/___ | Fail to communicate IPR512 2 restore |
| | ___/___ | Fail to communicate IPR512 3 |
| [2970] | ___/___ | Fail to communicate IPR512 3 restore |
| | ___/___ | Fail to communicate IPR512 4 |
| | ___/___ | Fail to communicate IPR512 4 restore |

Worksheet 37: IP Module Report Codes

| Section | Data | Description |
|---------|---------|--------------------------------------|
| | ___/___ | Missing IP module |
| [2992] | ___/___ | Missing IP Restore |
| | ___/___ | IP no service |
| | ___/___ | IP no service restore |
| | ___/___ | Fail to communicate IPR512 1 |
| [2993] | ___/___ | Fail to communicate IPR512 1 restore |
| | ___/___ | Fail to communicate IPR512 2 |
| | ___/___ | Fail to communicate IPR512 2 restore |
| | ___/___ | Fail to communicate IPR512 3 |
| [2994] | ___/___ | Fail to communicate IPR512 3 restore |
| | ___/___ | Fail to communicate IPR512 4 |
| | ___/___ | Fail to communicate IPR512 4 restore |

Partition Settings

Use the following section to program the various partitions on your EVOHD system. Use worksheet 38 to 44 to record your settings.

Worksheet 38: Partition Label Settings for Sections [3100] to [3800]

| Section | Partition Label | Partition # |
|---------|--|-------------|
| [3100] | ____/____/____/____/____/____/____/____/____/____/____/____/____/____/____/____/____ | 1 |
| [3200] | ____/____/____/____/____/____/____/____/____/____/____/____/____/____/____/____/____ | 2 |
| [3300] | ____/____/____/____/____/____/____/____/____/____/____/____/____/____/____/____/____ | 3 |
| [3400] | ____/____/____/____/____/____/____/____/____/____/____/____/____/____/____/____/____ | 4 |
| [3500] | ____/____/____/____/____/____/____/____/____/____/____/____/____/____/____/____/____ | 5 |
| [3600] | ____/____/____/____/____/____/____/____/____/____/____/____/____/____/____/____/____ | 6 |
| [3700] | ____/____/____/____/____/____/____/____/____/____/____/____/____/____/____/____/____ | 7 |
| [3800] | ____/____/____/____/____/____/____/____/____/____/____/____/____/____/____/____/____ | 8 |

Auto-arm Times

Worksheet 39: Auto-arm Time Settings

| Section | Data (Hours 00-23; Minutes 00-59) | Partition # | Section | Data (Hours 00-23; Minutes 00-59) | Partition # |
|---------|-----------------------------------|-------------|---------|-----------------------------------|-------------|
| [3101] | __/:__: | 1 | [3501] | __/:__: | 5 |
| [3201] | __/:__: | 2 | [3601] | __/:__: | 6 |
| [3301] | __/:__: | 3 | [3701] | __/:__: | 7 |
| [3401] | __/:__: | 4 | [3801] | __/:__: | 8 |

Arming/Disarming Report Schedules

Worksheet 40: Arming Report Schedule Settings

| Section | Partition # | Schedule | Interval | Start Time (From) | End Time (To) | Days of the Week (Turn ON or OFF) | | | | | | | |
|---------|-------------|----------|------------|-------------------|---------------|-----------------------------------|---|---|---|---|---|---|---|
| | | | | | | S | M | T | W | T | F | S | H |
| [3102] | 1 | 001 | Schedule A | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | Schedule B | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [3202] | 2 | 002 | Schedule A | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | Schedule B | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [3302] | 3 | 003 | Schedule A | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | Schedule B | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [3402] | 4 | 004 | Schedule A | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | Schedule B | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [3502] | 5 | 005 | Schedule A | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | Schedule B | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [3602] | 6 | 006 | Schedule A | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | Schedule B | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [3702] | 7 | 007 | Schedule A | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | Schedule B | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [3802] | 8 | 008 | Schedule A | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | Schedule B | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

NOTE: If a partition is armed outside a schedule, the panel will send an *Early to Close* [3916] and/or *Late to Close* [3917] report code (see worksheet 45 on page 54).

Worksheet 41: Disarming Report Schedule Settings

| Section | Partition # | Schedule | Interval | Start Time (From) | End Time (To) | Days of the Week (Turn ON or OFF) | | | | | | | |
|---------|-------------|----------|------------|-------------------|---------------|-----------------------------------|---|---|---|---|---|---|---|
| | | | | | | S | M | T | W | T | F | S | H |
| [3103] | 1 | 001 | Schedule A | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | Schedule B | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [3203] | 2 | 002 | Schedule A | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | Schedule B | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [3303] | 3 | 003 | Schedule A | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | Schedule B | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [3403] | 4 | 004 | Schedule A | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | Schedule B | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [3503] | 5 | 005 | Schedule A | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | Schedule B | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [3603] | 6 | 006 | Schedule A | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | Schedule B | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [3703] | 7 | 007 | Schedule A | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | Schedule B | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [3803] | 8 | 008 | Schedule A | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | Schedule B | __:__:__: | __:__:__: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

NOTE: If partition is disarmed outside schedule, panel will send an *Early to Open* [3926] and/or *Late to Open* [3927] report code (see worksheet 45 on page 54).

Partition Timers

Worksheet 42: Partition Timer Settings

| Description (Decimal Values from 000 to 255) | Partition 1 | | Partition 2 | | Partition 3 | | Partition 4 | | Partition 5 | | Partition 6 | | Partition 7 | | Partition 8 | |
|--|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|
| | Section | Data | Section | Data | Section | Data | Section | Data | Section | Data | Section | Data | Section | Data | Section | Data |
| Arming/disarming schedule tolerance window (Data x 1 min.; default: 000) | [3104] | ___ | [3204] | ___ | [3304] | ___ | [3404] | ___ | [3504] | ___ | [3604] | ___ | [3704] | ___ | [3804] | ___ |
| Number of invalid codes before lockout (Data x 1 attempt; default: 005) | [3105] | ___ | [3205] | ___ | [3305] | ___ | [3405] | ___ | [3505] | ___ | [3605] | ___ | [3705] | ___ | [3805] | ___ |
| Keypad lockout duration (Data x 1 min.; Report only: 000; Default: 015) | [3106] | ___ | [3206] | ___ | [3306] | ___ | [3406] | ___ | [3506] | ___ | [3606] | ___ | [3706] | ___ | [3806] | ___ |
| No movement timer (Data x 5 min.; Default: disabled) | [3107] | ___ | [3207] | ___ | [3307] | ___ | [3407] | ___ | [3507] | ___ | [3607] | ___ | [3707] | ___ | [3807] | ___ |
| Exit delay timer (Data x 1 sec.; Default: 060 sec.) | [3108] | ___ | [3208] | ___ | [3308] | ___ | [3408] | ___ | [3508] | ___ | [3608] | ___ | [3708] | ___ | [3808] | ___ |
| Recent closing delay (Data x 1 sec.; Default: disabled) | [3109] | ___ | [3209] | ___ | [3309] | ___ | [3409] | ___ | [3509] | ___ | [3609] | ___ | [3709] | ___ | [3809] | ___ |
| Intellizone delay (Data x 1 sec.; default: 032 sec.) | [3110] | ___ | [3210] | ___ | [3310] | ___ | [3410] | ___ | [3510] | ___ | [3610] | ___ | [3710] | ___ | [3810] | ___ |
| Entry delay 1 (Data x 1 sec.; default: 030 sec.) | [3111] | ___ | [3211] | ___ | [3311] | ___ | [3411] | ___ | [3511] | ___ | [3611] | ___ | [3711] | ___ | [3811] | ___ |
| Entry delay 2 (Data x 1 sec.; Default: 060 sec.) | [3112] | ___ | [3212] | ___ | [3312] | ___ | [3412] | ___ | [3512] | ___ | [3612] | ___ | [3712] | ___ | [3812] | ___ |
| Bell cut-off timer (Data x 1 min.; Default: 4 min.) | [3113] | ___ | [3213] | ___ | [3313] | ___ | [3413] | ___ | [3513] | ___ | [3613] | ___ | [3713] | ___ | [3813] | ___ |
| Auto zone shutdown (000 to 015 alarms; default: disabled) | [3114] | ___ | [3214] | ___ | [3314] | ___ | [3414] | ___ | [3514] | ___ | [3614] | ___ | [3714] | ___ | [3814] | ___ |
| Maximum number of zones that can be bypassed (Data x 1 zone; Default: unlimited) | [3115] | ___ | [3215] | ___ | [3315] | ___ | [3415] | ___ | [3515] | ___ | [3615] | ___ | [3715] | ___ | [3815] | ___ |
| Recycle delay (Data x 1 min.; Default: disabled) | [3116] | ___ | [3216] | ___ | [3316] | ___ | [3416] | ___ | [3516] | ___ | [3616] | ___ | [3716] | ___ | [3816] | ___ |
| Number of recycles (Data x 1 attempt; Default: unlimited) | [3117] | ___ | [3217] | ___ | [3317] | ___ | [3417] | ___ | [3517] | ___ | [3617] | ___ | [3717] | ___ | [3817] | ___ |
| Police code timer (Data x 1 min.; Default: disabled) | [3118] | ___ | [3218] | ___ | [3318] | ___ | [3418] | ___ | [3518] | ___ | [3618] | ___ | [3718] | ___ | [3818] | ___ |
| Closing delinquency timer (Data x 1 day; Default: disabled) | [3119] | ___ | [3219] | ___ | [3319] | ___ | [3419] | ___ | [3519] | ___ | [3619] | ___ | [3719] | ___ | [3819] | ___ |
| Postpone auto-arm delay (Data x 15 min.; Default: 0) | [3120] | ___ | [3220] | ___ | [3320] | ___ | [3420] | ___ | [3520] | ___ | [3620] | ___ | [3720] | ___ | [3820] | ___ |

Partition Options 1

Table 37: Description of sections [3121] to [3821]

| Section | Option | Description | OFF | | ON | | Section | Option | Description | OFF | | ON | |
|-------------------------------|--------|---|-----|----------|----|---------|-------------------------------|--------|---|-----|----------|----|---------|
| Section [3121] Partition 1 | 1 | Switch to Stay arm (if no delay zone is opened) | ▲ | Disabled | □ | Enabled | Section [3221] Partition 2 | 1 | Arm/disarm with partition 1 | ▲ | Disabled | □ | Enabled |
| | 2 | Arm/disarm with partition 2 | ▲ | Disabled | □ | Enabled | | 2 | Switch to Stay arm (if no delay zone is opened) | ▲ | Disabled | □ | Enabled |
| | 3 | Arm/disarm with partition 3 | ▲ | Disabled | □ | Enabled | | 3 | Arm/disarm with partition 3 | ▲ | Disabled | □ | Enabled |
| | 4 | Arm/disarm with partition 4 | ▲ | Disabled | □ | Enabled | | 4 | Arm/disarm with partition 4 | ▲ | Disabled | □ | Enabled |
| | 5 | Arm/disarm with partition 5 | ▲ | Disabled | □ | Enabled | | 5 | Arm/disarm with partition 5 | ▲ | Disabled | □ | Enabled |
| | 6 | Arm/disarm with partition 6 | ▲ | Disabled | □ | Enabled | | 6 | Arm/disarm with partition 6 | ▲ | Disabled | □ | Enabled |
| | 7 | Arm/disarm with partition 7 | ▲ | Disabled | □ | Enabled | | 7 | Arm/disarm with partition 7 | ▲ | Disabled | □ | Enabled |
| | 8 | Arm/disarm with partition 8 | ▲ | Disabled | □ | Enabled | | 8 | Arm/disarm with partition 8 | ▲ | Disabled | □ | Enabled |

Table 37: Description of sections [3121] to [3821] (Continued)

| Section | Option | Description | OFF | | ON | |
|-------------------------------|--------|---|-----|----------|--------------------------|---------|
| Section [3321] Partition 3 | 1 | Arm/disarm with partition 1 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 2 | Arm/disarm with partition 2 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 3 | Switch to Stay arm (if no delay zone is opened) | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 4 | Arm/disarm with partition 4 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 5 | Arm/disarm with partition 5 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 6 | Arm/disarm with partition 6 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 7 | Arm/disarm with partition 7 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 8 | Arm/disarm with partition 8 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| Section [3521] Partition 5 | 1 | Arm/disarm with partition 1 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 2 | Arm/disarm with partition 2 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 3 | Arm/disarm with partition 3 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 4 | Arm/disarm with partition 4 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 5 | Switch to Stay arm (if no delay zone is opened) | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 6 | Arm/disarm with partition 6 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 7 | Arm/disarm with partition 7 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 8 | Arm/disarm with partition 8 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| Section [3721] Partition 7 | 1 | Arm/disarm with partition 1 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 2 | Arm/disarm with partition 2 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 3 | Arm/disarm with partition 3 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 4 | Arm/disarm with partition 4 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 5 | Arm/disarm with partition 5 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 6 | Arm/disarm with partition 6 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 7 | Switch to Stay arm (if no delay zone is opened) | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 8 | Arm/disarm with partition 8 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| Section [3421] Partition 4 | 1 | Arm/disarm with partition 1 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 2 | Arm/disarm with partition 2 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 3 | Arm/disarm with partition 3 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 4 | Switch to Stay arm (if no delay zone is opened) | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 5 | Arm/disarm with partition 5 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 6 | Arm/disarm with partition 6 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 7 | Arm/disarm with partition 7 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 8 | Arm/disarm with partition 8 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| Section [3621] Partition 6 | 1 | Arm/disarm with partition 1 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 2 | Arm/disarm with partition 2 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 3 | Arm/disarm with partition 3 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 4 | Arm/disarm with partition 4 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 5 | Arm/disarm with partition 5 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 6 | Switch to Stay arm (if no delay zone is opened) | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 7 | Arm/disarm with partition 7 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 8 | Arm/disarm with partition 8 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| Section [3821] Partition 8 | 1 | Arm/disarm with partition 1 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 2 | Arm/disarm with partition 2 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 3 | Arm/disarm with partition 3 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 4 | Arm/disarm with partition 4 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 5 | Arm/disarm with partition 5 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 6 | Arm/disarm with partition 6 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 7 | Arm/disarm with partition 7 | ▲ | Disabled | <input type="checkbox"/> | Enabled |
| | 8 | Switch to Stay arm (if no delay zone is opened) | ▲ | Disabled | <input type="checkbox"/> | Enabled |

▲ = Default

Partition Arming/Disarming Options

Table 38: Description of partition arming/disarming options

| Option | Description | Partition 1 [3122] | | Partition 2 [3222] | | Partition 3 [3322] | | Partition 4 [3422] | | Partition 5 [3522] | | Partition 6 [3622] | | Partition 7 [3722] | | Partition 8 [3822] | |
|--------|--|--------------------|----|--------------------|----|--------------------|----|--------------------|----|--------------------|-----|--------------------|----|--------------------|----|--------------------|----|
| | | OFF | ON | OFF | ON | OFF | ON | OFF | ON | OFF | OFF | ON | ON | ON | ON | ON | ON |
| 1 | Timed auto-arming | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 2 | No Movement auto-arming | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 3 | Arming method for auto arm (OFF = Force arming; ON = Stay arming) | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 4 | Exit delay termination | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ |
| 5 | Future use | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 6 | Future use | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7 | Future use | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 8 | Follow zone switches to Entry Delay 2, when delay zone is bypassed | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ |

▲ = Default

Partition Panic Alarm Options

Table 39: Description of partition panic alarm options

| Option | Description | Partition 1 [3123] | | Partition 2 [3223] | | Partition 3 [3323] | | Partition 4 [3423] | | Partition 5 [3523] | | Partition 6 [3623] | | Partition 7 [3723] | | Partition 8 [3823] | |
|--------|---|--------------------|----|--------------------|----|--------------------|----|--------------------|----|--------------------|-----|--------------------|----|--------------------|----|--------------------|----|
| | | OFF | ON | OFF | ON | OFF | ON | OFF | ON | OFF | OFF | ON | ON | ON | ON | ON | ON |
| 1 | Panic 1 (K641/K641+/641R/K641LX: keys 1 & 3; K656: [□]) | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 2 | Panic 2 (K641/K641+/641R/K641LX: keys 4 & 6; K656: [△]) | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 3 | Panic 3 (K641/K641+/K641R/K641LX: keys 7 & 9; K656: [🔥]) | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 4 | Panic 1 alarm type (OFF = report only; ON = audible alarm) | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 5 | Panic 2 alarm type (OFF = report only; ON = audible alarm) | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 6 | Panic 3 alarm type (OFF = report only; ON = fire alarm) | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 7 | Always report disarming (OFF = always; ON = only after alarm) | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 8 | Auto-force on regular arming | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |

▲ = Default

Partition Bell Squawk Options

Table 40: Description of partition bell squawk options

| Option | Description | Partition 1 [3124] | | Partition 2 [3224] | | Partition 3 [3324] | | Partition 4 [3424] | | Partition 5 [3524] | | Partition 6 [3624] | | Partition 7 [3724] | | Partition 8 [3824] | |
|--------|---|--------------------|----|--------------------|----|--------------------|----|--------------------|----|--------------------|-----|--------------------|----|--------------------|----|--------------------|----|
| | | OFF | ON | OFF | ON | OFF | ON | OFF | ON | OFF | OFF | ON | ON | ON | ON | ON | ON |
| 1 | Bell squawk upon disarming | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 2 | Bell squawk upon arming | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 3 | Bell squawk upon auto-arming | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 4 | Bell squawk during exit delay | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 5 | Bell squawk during entry delay | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 6 | Bell squawk upon remote arming/disarming | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ |
| 7 | Ring back: bell squawk if disarmed after alarm | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 8 | Ring back: keypad beeps if disarmed after alarm | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ |

▲ = Default

Partition One-touch Options

Table 41: Description of partition one-touch options

| Option | Description | Partition 1 [3125] | | Partition 2 [3225] | | Partition 3 [3325] | | Partition 4 [3425] | | Partition 5 [3525] | | Partition 6 [3625] | | Partition 7 [3725] | | Partition 8 [3825] | |
|--------|---|-----------------------|----|-----------------------|----|-----------------------|----|-----------------------|----|-----------------------|-----|-----------------------|----|-----------------------|----|-----------------------|----|
| | | OFF | ON | OFF | ON | OFF | ON | OFF | ON | OFF | OFF | ON | ON | ON | ON | ON | ON |
| 1 | One-touch regular arming | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 2 | One-touch Stay arming | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 3 | One-touch Instant arming | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 4 | One-touch Force arming | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 5 | One-touch Stay or Instant disarming | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 6 | One-touch bypass programming | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 7 | One-touch event display | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 8 | No exit delay when arming with remote control | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ |

▲ = Default

If a keypad is assigned to more than one partition, the one-touch feature must be enabled in all the keypad's assigned partitions. For instance, to enable the one-touch Regular Arming feature of a keypad assigned to partitions 1, 2, and 5, enable option 1 of sections [3125], [3225], and [3525].

Partition Special Options

Table 42: Description of partition special options

| Option | Description | Partition 1 [3126] | | Partition 2 [3226] | | Partition 3 [3326] | | Partition 4 [3426] | | Partition 5 [3526] | | Partition 6 [3626] | | Partition 7 [3726] | | Partition 8 [3826] | |
|--------|--|-----------------------|----|-----------------------|----|-----------------------|----|-----------------------|----|-----------------------|-----|-----------------------|----|-----------------------|----|-----------------------|----|
| | | OFF | ON | OFF | ON | OFF | ON | OFF | ON | OFF | OFF | ON | ON | ON | ON | ON | ON |
| 1 | Intellizone delay | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ |
| 2 | Intellizone double knockout and zone crossing | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ |
| 3 | Intellizone zone crossing | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ |
| 4 | Auto-force on Stay arming | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 5 | Police code is generated on zone crossing only | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 6 | Future use | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7 | Future use | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 8 | Future use | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

▲ = Default

Partition Arming/Disarming Event Call Direction

Table 43: Description of partition arming/disarming event call direction

| Option | Description | Partition 1 [3127] | | Partition 2 [3227] | | Partition 3 [3327] | | Partition 4 [3427] | | Partition 5 [3527] | | Partition 6 [3627] | | Partition 7 [3727] | | Partition 8 [3827] | |
|--------|--|-----------------------|----|-----------------------|----|-----------------------|----|-----------------------|----|-----------------------|-----|-----------------------|----|-----------------------|----|-----------------------|----|
| | | OFF | ON | OFF | ON | OFF | ON | OFF | ON | OFF | OFF | ON | ON | ON | ON | ON | ON |
| 1 | Call telephone number 1/IP receiver 1 | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ |
| 2 | Call telephone number 2/IP receiver 2 | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 3 | Call telephone number 3/IP receiver 3 | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 4 | Call telephone number 4/IP receiver 4 | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 5 | Backup on telephone number 1/IP receiver 1 | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 6 | Backup on telephone number 2/IP receiver 2 | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 7 | Backup on telephone number 3/IP receiver 3 | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 8 | Backup on telephone number 4/IP receiver 4 | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |

▲ = Default

NOTE: Enable only one option from options 5 to 8 (inclusive).

Partition Alarm/Alarm Restore Event Call Direction

Table 44: Description of partition alarm/alarm restore event call direction

| Option | Description | Partition 1 [3128] | | Partition 2 [3228] | | Partition 3 [3328] | | Partition 4 [3428] | | Partition 5 [3528] | | Partition 6 [3628] | | Partition 7 [3728] | | Partition 8 [3828] | |
|--------|--|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| | | OFF | ON | OFF | ON | OFF | ON | OFF | ON | OFF | OFF | ON | ON | ON | ON | ON | ON |
| 1 | Call telephone number 1/IP receiver 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2 | Call telephone number 2/IP receiver 2 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3 | Call telephone number 3/IP receiver 3 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4 | Call telephone number 4/IP receiver 4 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 5 | Backup on telephone number 1/IP receiver 1 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 6 | Backup on telephone number 2/IP receiver 2 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 7 | Backup on telephone number 3/IP receiver 3 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 8 | Backup on telephone number 4/IP receiver 4 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

▲= Default

NOTE: Enable only one option from options 5 to 8 (inclusive).

Partition Tamper/Tamper Restore Event Call Direction

Table 45: Description of partition tamper/tamper restore event call direction

| Option | Description | Partition 1 [3129] | | Partition 2 [3229] | | Partition 3 [3329] | | Partition 4 [3429] | | Partition 5 [3529] | | Partition 6 [3629] | | Partition 7 [3729] | | Partition 8 [3829] | |
|--------|--|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| | | OFF | ON | OFF | ON | OFF | ON | OFF | ON | OFF | OFF | ON | ON | ON | ON | ON | ON |
| 1 | Call telephone number 1/IP receiver 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2 | Call telephone number 2/IP receiver 2 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3 | Call telephone number 3/IP receiver 3 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4 | Call telephone number 4/IP receiver 4 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 5 | Backup on telephone number 1/IP receiver 1 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 6 | Backup on telephone number 2/IP receiver 2 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 7 | Backup on telephone number 3/IP receiver 3 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 8 | Backup on telephone number 4/IP receiver 4 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

▲= Default

NOTE: Enable only one option from options 5 to 8 (inclusive).

Special Arming Exit Delay

Worksheet 43: Special Arming Exit Delay Settings

| Description (Decimal Values from 000 to 255) | Partition 1 | | Partition 2 | | Partition 3 | | Partition 4 | | Partition 5 | | Partition 6 | | Partition 7 | | Partition 8 | |
|---|-------------|----------|-------------|----------|-------------|----------|-------------|----------|-------------|----------|-------------|----------|-------------|----------|-------------|----------|
| | Section | Data | Section | Data | Section | Data | Section | Data | Section | Data | Section | Data | Section | Data | Section | Data |
| Exit delay for special arming; auto arm, BabyWare/ NEWare arming, etc.) (Data x 1 sec.; default: 060) | [3130] | __/__/__ | [3230] | __/__/__ | [3330] | __/__/__ | [3430] | __/__/__ | [3530] | __/__/__ | [3630] | __/__/__ | [3730] | __/__/__ | [3830] | __/__/__ |

No Movement Schedule

Worksheet 44: No Movement Schedule Settings

| Section | Partition # | Interval | Start Time (From) | End Time (To) | Days of the Week (Turn ON or OFF) | | | | | | | |
|---------|-------------|------------|----------------------|------------------|-----------------------------------|---|---|---|---|---|---|---|
| | | | | | S | M | T | W | T | F | S | H |
| [3131] | 1 | Schedule A | ___:___ | ___:___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ___:___ | ___:___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [3231] | 2 | Schedule A | ___:___ | ___:___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ___:___ | ___:___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [3331] | 3 | Schedule A | ___:___ | ___:___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ___:___ | ___:___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [3431] | 4 | Schedule A | ___:___ | ___:___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ___:___ | ___:___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [3531] | 5 | Schedule A | ___:___ | ___:___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ___:___ | ___:___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [3631] | 6 | Schedule A | ___:___ | ___:___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ___:___ | ___:___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [3731] | 7 | Schedule A | ___:___ | ___:___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ___:___ | ___:___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| [3831] | 8 | Schedule A | ___:___ | ___:___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Schedule B | ___:___ | ___:___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

WARNING: The Start and End Time of a schedule cannot cross over into another day. For example, to program a shift from 10 PM to 6 AM the next morning, you must program the schedule as follows: Schedule A – start time: 22:00 and end time: 23:59; then program Schedule B – start time: 00:00 and end time: 06:00. The schedule will not be interrupted between 23:59 and 00:00.

Special Report Codes

Use the following section to program the special and trouble report codes on your EVOHD system. Use worksheet 45, as well as worksheet 46 on page 55 to record your settings.

For Ademco Slow, Silent Knight Fast, SESCOA, Ademco Express, or pager formats, key-in desired two-digit hex value from 00 to FF.

Ademco Format

- Use section [4034] (Special System Report Codes), [4035] (Special Arming/Disarming Report Codes), [4036] (Special Alarm Report Codes), and [4037] (Trouble/Trouble Restore Report Codes) to program a set of default Ademco report codes, using table 49 (List of automatic report codes), on page 57.
- To program the remaining report codes or change certain defaults, access the individual sections and key-in the desired two-digit hex value, found in table 50 (List of Ademco contact ID report codes), on page 60.

SIA Format

- Use section [4034] (Special System Report Codes), [4035] (Special Arming/Disarming Report Codes), [4036] (Special Alarm Report Codes), and [4037] (Trouble/Trouble Restore Report Codes) to program a set of SIA report codes, using table 49 (List of automatic report codes), on page 57.
- Codes that have not been set to default can be set as such manually, by entering FF in the appropriate section.
- To disable the reporting of an event, enter 00 in the appropriate section.

Worksheet 45: Special Report Code Settings

| Type | Section | Data | Description |
|-----------------------------|---------|---------|--|
| Special System Report Codes | [3900] | ___/___ | Power up after total power down |
| | [3901] | ___/___ | Software reset (watchdog) |
| | [3902] | ___/___ | Test report |
| | [3903] | ___/___ | Listen-in to follow (request to start session) |
| | [3904] | ___/___ | BabyWare login request (callback only) |
| | [3905] | ___/___ | BabyWare log off |
| | [3906] | ___/___ | Installer in |
| | [3907] | ___/___ | Installer out |
| | [3908] | ___/___ | Failed to Arm |
| | [3909] | ___/___ | Future use |
| Special Arming Report Codes | [3910] | ___/___ | Auto-arming |
| | [3911] | ___/___ | PC arming |
| | [3912] | ___/___ | Late to close (Auto-arming) |
| | [3913] | ___/___ | No movement |
| | [3914] | ___/___ | Partial arming |
| | [3915] | ___/___ | Quick arming |
| | [3916] | ___/___ | Early to close (see worksheet 40 on page 48) |
| | [3917] | ___/___ | Late to close (see worksheet 40 on page 48) |
| | [3918] | ___/___ | Remote arming (ADM2, LSN4) |
| | [3919] | ___/___ | Close delinquency |

| Type | Section | Data | Description |
|--------------------------------|---------|---------|---|
| Special Disarming Report Codes | [3920] | ___/___ | Cancel auto-arm |
| | [3921] | ___/___ | Quick disarm |
| | [3922] | ___/___ | PC disarming |
| | [3923] | ___/___ | PC disarming after alarm |
| | [3924] | ___/___ | Cancel alarm |
| | [3925] | ___/___ | Future use |
| | [3926] | ___/___ | Early to open (see worksheet 41 on page 48) |
| | [3927] | ___/___ | Late to open (see worksheet 41 on page 48) |
| | [3928] | ___/___ | Remote disarming (ADM2, LSN4) |
| | [3929] | ___/___ | Future use |
| Special Alarm Report Codes | [3930] | ___/___ | Emergency panic |
| | [3931] | ___/___ | Auxiliary panic |
| | [3932] | ___/___ | Fire panic |
| | [3933] | ___/___ | Recent closing |
| | [3934] | ___/___ | Police code |
| | [3935] | ___/___ | Zone shutdown |
| | [3936] | ___/___ | Duress |
| | [3937] | ___/___ | Keypad lockout |
| | [3938] | ___/___ | Voice lockout |
| | [3939] | ___/___ | Future use |

Trouble Report Codes

Worksheet 46: Trouble Report Code Settings

| Type | Section | Data | Description |
|----------------------|---------|--------------------|--|
| Trouble Report Codes | [3940] | ___/___ | TLM trouble |
| | | ___/___ | AC failure |
| | | ___/___ | Battery failure |
| | | ___/___ | Auxiliary supply |
| | [3941] | ___/___ | Bell output trouble |
| | | ___/___ | Clock loss |
| | | ___/___ | Fire loop trouble |
| | | ___/___ | Panel Tamper |
| | [3950] | ___/___ | Wireless transmitter battery low |
| | | ___/___ | Wireless transmitter supervision trouble |
| | | ___/___ | Future use |
| | | ___/___ | Future use |
| | [3951] | ___/___ | Phone number 1 fail to communicate |
| | | ___/___ | Phone number 2 fail to communicate |
| | | ___/___ | Phone number 3 fail to communicate |
| | | ___/___ | Phone number 4 fail to communicate |
| | [3960] | ___/___ | Combus fault |
| | | ___/___ | Module tamper |
| | | ___/___ | ROM check error |
| | | ___/___ | Module TLM |
| | [3961] | ___/___ | Module failure to communicate |
| | | ___/___ | Printer fault |
| | | ___/___ | Module AC failure |
| | | ___/___ | Module battery failure |
| | [3962] | ___/___ | Module auxiliary failure |
| | | ___/___ | Module IP Receiver supervision |
| | | ___/___ | Module IP Receiver fail to communicate |
| | | ___/___ | Module IP Receiver unregistered |
| | [3963] | ___/___ | Direct light |
| | | ___/___ | Module Rf Interference |
| | | ___/___ | Module low voltage |
| | | ___/___ | Module self-test error |
| | [3964] | ___/___ | Module LAN trouble |
| | ___/___ | Module WAN trouble | |
| | ___/___ | Future use | |
| | ___/___ | Future use | |

| Type | Section | Data | Description |
|------------------------------|---------|---------|--|
| Trouble Restore Report Codes | [3970] | ___/___ | TLM restore |
| | | ___/___ | AC failure restore |
| | | ___/___ | Battery failure restore |
| | | ___/___ | Auxiliary supply restore |
| | [3971] | ___/___ | Bell output trouble restore |
| | | ___/___ | Clock loss restore |
| | | ___/___ | Fire loop trouble restore |
| | | ___/___ | Panel tamper restore |
| | [3980] | ___/___ | Wireless transmitter battery low restore |
| | | ___/___ | Wireless transmitter supervision trouble restore |
| | | ___/___ | Future use |
| | | ___/___ | Future use |
| | [3990] | ___/___ | Combus fault restore |
| | | ___/___ | Module tamper restore |
| | | ___/___ | ROM check error restore |
| | | ___/___ | Module TLM restore |
| | [3991] | ___/___ | Module failure to communicate restore |
| | | ___/___ | Printer fault restore |
| | | ___/___ | Module AC failure restore |
| | | ___/___ | Module battery failure restore |
| | [3992] | ___/___ | Module auxiliary failure restore |
| | | ___/___ | Module IP Receiver supervision restore |
| | | ___/___ | Module IP Receiver fail to communicate restore |
| | | ___/___ | Module IP Receiver unregistered restore |
| | [3993] | ___/___ | Direct light restore |
| | | ___/___ | Module Rf Interference restore |
| | | ___/___ | Module low voltage restore |
| | | ___/___ | Module self-test error restore |
| | [3994] | ___/___ | Module LAN trouble restore |
| | | ___/___ | Module WAN trouble restore |
| | | ___/___ | Future use |
| | | ___/___ | Future use |

Additional Settings and Modes

The following section provides information on various other settings and modes applicable to your EVOHD system.

Table 46: Description of sections [4000] to [4006]

| Section | Name | Description |
|---------|--|---|
| [4000] | Display serial number of control panel and all modules connected to the combus | After entering section [4000], the keypad will display the eight-digit serial number of the control panel and firmware version. For Keypads K641/K641+/K641R/K641LX and K656: use the ▲ and ▼ keys to scroll through the serial number of each module connected to the combus. The firmware version of some modules will also be displayed. For Grafica Keypads: press the center action key (Next) to scroll through the serial number of each module on the combus. |
| [4001] | Module reset | Reset a module's programmed contents to its default settings, by entering its serial number. |
| [4002] | Locate/unlocate module | Locate a specific module (e.g., detector, zone expander, etc.) connected to the combus, by entering the module's serial number. The green <i>Locate</i> LED on the module will flash until the serial number is re-entered, or the appropriate <i>Tamper</i> or <i>Unlocate</i> switch is pressed on the module. |
| [4003] | Module programming mode | Enter the serial number of the module you wish to program. |
| [4004] | Module broadcast | Copy the contents of all programming sections from one module, to one or more modules of the same type. Enter the serial number of the source module, followed by the serial numbers of the modules you wish to program. To begin transferring data, press ACC on the K641/K641+/K641R/K641LX keypads, ▲ on the K656 keypad, or the center action key (<i>Start</i>) on Grafica keypads. |
| | Label broadcast | Copy user, door, and partition labels from the control panel, to all keypads and printer modules connected to the combus. To transmit the labels, enter 0 0 in section [4004]. From the <i>Destination</i> screen, press ACC on the K641/K641+/K641R/K641LX keypads, ▲ on the K656 keypad, or the center action key (<i>Start</i>) on Grafica keypads. |
| [4005] | Quick module scanning | After entering the section, the control panel will scan all addresses assigned to the modules. If any missing modules are detected (i.e., detector removed from the combus), the control panel will erase the module's serial number, thus removing the module from the control panel's memory. |
| [4006] | Module scanning | After entering the section, the control panel will scan all addresses on the combus. If any missing modules are detected (i.e., detector removed from the combus), the control panel will erase the module's serial number, thus removing the module from the control panel's memory. If new modules are detected, the serial number will be entered in the control panel's memory. |

WARNING: The module and label broadcast features will only work when a module is broadcasting its data to a module, or to modules of the same type and model number.

Automatic Report Code Programming

When using contact ID or SIA Reporting formats, default report codes can be programmed automatically. After automatic defaults are set, they can be changed and remaining report codes can be set manually.

| Section | Name | Description |
|---------|---|--|
| [4030] | All report codes reset to 00 | Resets all codes from sections [0201] - [0296], [0701] - [0832], [2001] - [2199], and [3900] - [3999], to 00; sections [4031] to [4037] reset all the report codes in the following sections, to their default values. |
| [4031] | All report codes reset to FF | [0201] to [0296] and [0701] to [0832], [2001] to [2199], and [3900] to [3999] |
| [4032] | Zone alarm/alarm restore and zone tamper/tamper restore | [0201] to [0296] |
| [4033] | User/keyswitch arming and disarming | [0701] to [0832] and [2001] to [2199] |
| [4034] | Special report codes | [3900] to [3909] |
| [4035] | Special arming/disarming report codes | [3910] to [3929] |
| [4036] | Special alarm report codes | [3930] to [3939] |
| [4037] | Trouble and trouble restore report codes | [3940] to [3999] |
| [4038] | Future use | |
| [4039] | Sets panel default for EN 50131 compliancy | Resets all appropriate sections to be EN 50131 compliant |

Software Reset

To set specific software parameters back to their initial, default values, proceed as follows:

1. Enter programming mode (see *Entering Programming Mode* on page 3 for details).
2. Enter section [4049] to unlock the software reset function.
3. Enter the four-digit section corresponding to the software reset you wish to perform.

If you want to reset more than one section, enter section [4049] to unlock the software reset function once again.

Table 47: Description of software reset sections ([4040] to [4049])






| Section | Description |
|---------|--|
| [4040] | Entering this section will reset all programmable sections, from [0001] to [3999], to their factory default values. |
| [4041] | Entering this section will reset the system master code to 123456. |
| [4042] | Entering this section will reset all zone programming, including sections [0961] to [0984], to their default values. |
| [4043] | Entering this section will reset all access control sections, from [2201] to [2712] (excluding door labels), to their default values. |
| [4044] | Entering this section will reset all user code sections, from [1001] to [1999] and [2001] to [2199], to their default values. |
| [4045] | Entering this section will reset programming of all dialer sections ([3051] to [3081]), VDMP3 sections ([3087] to [3098]), and control panel sections ([3020] to [3043] and [3900] to [3991]), to their default values. |
| [4046] | Entering this section will reset all partition sections, from [3101] to [3833] (excluding partition labels), to their default values. |
| [4047] | Entering this section will reset programming of all PGM sections ([0901] to [0959]) and all keyswitch sections ([0501] to [0632]), as well as all keyswitch arming/disarming report code sections ([0701] to [0832]), to their default values. |
| [4048] | Entering this section will clear all user labels, door labels, partition labels, module labels, and zone labels, from sections [0301] to [0396]. |
| [4049] | Entering this section will unlock software reset for sections [4039] to [4048]. |

Installer Function Keys

To access the installer functions, press and hold **0**, enter the installer code, and then:

- For keypads K641/K641+/K641R/K641LX and K656: press the key indicated in table 48, that corresponds to the function you wish to activate.
- For Grafika keypads: press the center action key (*Options*), highlight the desired function, and then press the center action key (*Ok*).

Table 48: Description of installer functions for the K641/K641+/K641R/K641LX and K656 keypads

| Function | Description | K641/K641+/ K641R/ K641LX | K656 |
|--------------------------|---|---------------------------------|---|
| Test report | Sends the <i>Test Report</i> report code programmed in section [3902], to the monitoring station. | STAY | STAY |
| Call BabyWare software | Will dial the PC telephone number programmed in section [3010], to initiate communication with a computer using the BabyWare software. | FORCE | SLEEP |
| Answer BabyWare software | Will force the control panel to answer a call made by the monitoring station, which is using the BabyWare software. | ARM | ARM |
| Cancel communication | Cancels all communication with the BabyWare software or with the monitoring station, until the next reportable event. | DISARM | OFF |
| Installer test mode | This mode allows you to perform walk tests, where the bell or siren will squawk to indicate opened zones. To exit, press MEM (for K641/K641+/K641R/K641LX) or  (for K656). Partitions cannot be armed if the installer test mode is enabled. | MEM |  |
| Start module scan | The keypad will display the serial number of each module on the combus. | TRBL |  |
| Combus voltmeter | To verify if the combus is supplying sufficient power, press and hold 0 , enter the installer code, and press either ACC or  , depending on the type of keypad. A reading of 12.3V or lower, at the panel's service keypad connector, indicates that the voltage is too low. The voltage may drop during the control panel battery test. | ACC |  |

Automatic Report Codes

Table 49: List of automatic report codes

| System Event | Default Contact ID Report Code (when using sections [4032] to [4037]) | | Default SIA Report Code (when using sections [4032] to [4037]) | |
|--|--|------------------------|---|------------------------|
| | Code | Description | Code | Description |
| Arming with master code (##) | 3 4A1 | Close by user | CL | Closing report |
| Arming with user code (##) | 3 4A1 | Close by user | CL | Closing report |
| Arming with keyswitch (##) | 3 4A9 | Keyswitch close | CS | Closing keyswitch |
| Auto arming | 3 4A3 | Automatic close | CA | Automatic closing |
| Arm with PC software | 3 4A7 | Remote arm/disarm | CQ | Remote arming |
| Late to close | 3 452 | Late to close | OT | Late to close |
| No movement | 3 452 | Late to close | NA | No movement arming |
| Partial arming | 1 456 | Partial arm | CG | Close area |
| Quick arming | 3 4A8 | Quick arm | CL | Closing report |
| Remote arm (voice) | 3 4A7 | Remote arm | CQ | Arm with voice module |
| Delinquency closing | 1 654 | System inactivity | CD | System inactivity |
| Disarm with master code (##) | 1 4A1 | Open by user | OP | Opening report |
| Disarm with user code (##) | 1 4A1 | Open by user | OP | Opening report |
| Disarm with keyswitch (##) | 1 4A9 | Keyswitch open | OS | Opening keyswitch |
| Disarm after alarm with master code (##) | 1 4A1 | Open by user | OP | Opening report |
| Disarm after alarm with user code (##) | 1 4A1 | Open by user | OP | Opening report |
| Disarm after alarm with keyswitch (##) | 1 4A9 | Keyswitch open | OS | Opening keyswitch |
| Cancel alarm with master code (##) | 1 4A6 | Cancel | OR | Disarm from alarm |
| Cancel alarm with user code (##) | 1 4A6 | Cancel | OR | Disarm from alarm |
| Cancel alarm with keyswitch (##) | 1 4A6 | Cancel | OS | Opening keyswitch |
| Auto arming cancellation | 1 464 | Auto-arm time extended | CE | Closing extend |
| Cancel alarm with PC software | 1 4A6 | Cancel | OR | Disarm from alarm |
| Voice disarm | 1 4A7 | Remote arm/disarm | OQ | Remote disarming |
| Disarm with PC software | 1 4A7 | Remote arm/disarm | OQ | Remote disarming |
| Disarm after an alarm with PC software | 1 4A7 | Remote arm/disarm | OQ | Remote disarming |
| Quick disarm | 1 4A8 | Quick disarm | OP | Opening report |
| Zone Bypassed (##) | 1 57A | Zone bypass | UB | Untyped zone bypass |
| Zone alarm (##) | 1 13A | Burglary alarm | BA | Burglary alarm |
| Fire alarm (##) | 1 11A | Fire alarm | FA | Fire alarm |
| Early to Disarm by User | 1 451 | Early to open | OK | Early to open |
| Late to Disarm by User | 1 452 | Late to open | OJ | Late to open |
| Failed to arm | 1 454 | Failed to close | CI | Failed to close |
| Zone alarm restore (##) | 3 13A | Burglary alarm restore | BH | Burglary alarm restore |
| Fire alarm restore (##) | 3 11A | Fire alarm restore | FH | Fire alarm restore |
| 24-hr Gas alarm (##) | 1 13A | Burglary alarm | GA | Gas alarm |
| 24-hr Heat alarm (##) | 1 13A | Burglary alarm | KA | Heat alarm |
| 24-hr Water alarm (##) | 1 13A | Burglary alarm | WA | Water alarm |
| 24-hr Freeze alarm (##) | 1 13A | Burglary alarm | ZA | Freeze alarm |
| 24-hr Gas alarm restore (##) | 3 13A | Burglary alarm restore | GR | Gas alarm restore |
| 24-hr Heat alarm restore (##) | 3 13A | Burglary alarm restore | KR | Heat alarm restore |
| 24-hr Water alarm restore (##) | 3 13A | Burglary alarm restore | WR | Water alarm restore |
| 24-hr Freeze alarm restore (##) | 3 13A | Burglary alarm restore | ZR | Freeze alarm restore |
| Panic 1: emergency | 1 12A | Panic alarm | PA | Panic alarm |
| Panic 2: medical | 1 1AA | Medical alarm | MA | Medical alarm |
| Panic 3: fire | 1 115 | Pull station | FA | Fire alarm |
| Recent closing | 3 459 | Recent close | CR | Recent closing |
| Police code | 1 139 | Burglary alarm | BM | Burglary alarm |
| Global zone shutdown | 1 574 | Group bypass | CG | Close area |

Table 49: List of automatic report codes (Continued)

| System Event | Default Contact ID Report Code (when using sections [4032] to [4037]) | | Default SIA Report Code (when using sections [4032] to [4037]) | |
|--|--|----------------------------------|---|-------------------------|
| Duress alarm | 1 121 | Duress | HA | Hold-up alarm |
| Zone shutdown (##) | 1 57A | Zone bypass | UB | Untyped zone bypass |
| Zone tampered (##) | 1 144 | Sensor tamper | TA | Tamper alarm |
| Zone tamper restore (##) | 3 144 | Sensor tamper restore | TR | Tamper restoral |
| Keypad lockout | 1 421 | Access denied | JA | User code tamper |
| AC failure | 1 3A1 | AC loss | AT | AC trouble |
| Battery failure | 1 3A9 | Battery test failure | YT | System battery trouble |
| Auxiliary supply trouble | 1 3AA | System trouble | YP | Power supply trouble |
| Bell output current limit | 1 321 | Bell 1 | YA | Bell fault |
| Bell absent | 1 321 | Bell 1 | YA | Bell fault |
| Clock lost | 1 626 | Time/date inaccurate | JT | Time changed |
| Fire loop trouble | 1 373 | Fire trouble | FT | Fire trouble |
| Panel tamper | 1 144 | Sensor tamper | TA | Tamper alarm |
| TLM trouble restore | 3 351 | Telco 1 fault restore | LR | Phone line restoral |
| AC failure restore | 3 3A1 | AC loss restore | AR | AC restoral |
| Battery failure restore | 3 3A9 | Battery test restore | YR | System battery restoral |
| Auxiliary supply trouble restore | 3 3AA | System trouble restore | YQ | Power supply restored |
| Bell output current limit restore | 3 321 | Bell 1 restore | YH | Bell restored |
| Bell absent restore | 3 321 | Bell 1 restore | YH | Bell restored |
| Clock programmed | 3 625 | Time/date reset | JT | Time changed |
| Fire loop trouble restore | 3 373 | Fire trouble restore | FJ | Fire trouble restore |
| Panel tamper restore | 1 373 | Sensor tamper restore | FT | Tamper restoral |
| Combus fault | 1 333 | Expansion module failure | ET | Expansion trouble |
| Module tamper | 1 145 | Expansion module tamper | TA | Tamper alarm |
| Module ROM_RAM_error | 1 3A4 | ROM checksum bad | YF | Parameter checksum fail |
| Module TLM trouble | 1 352 | Telco 2 fault | LT | Phone line trouble |
| Module fail to communicate to monitoring station | 1 354 | Fail to communicate | YC | Communication fails |
| Printer fault | 1 336 | Local printer failure | VT | Printer trouble |
| Module AC failure | 1 3A1 | AC loss | AT | AC trouble |
| Module battery failure | 1 3A9 | Battery test failure | YT | System battery trouble |
| Module auxiliary supply trouble | 1 3AA | System trouble | YP | Power supply trouble |
| Module IP receiver supervision | - | - | - | - |
| Module IP receiver fail to communicate | - | - | - | - |
| Module IP receiver unregistered | - | - | - | - |
| Direct light | - | - | - | - |
| Module Rf Interference | 1 344 | RF receiver Jam | XQ | RF Jamming |
| Module low voltage | - | - | - | - |
| Module self-test error | - | - | - | - |
| Module LAN trouble | - | - | - | - |
| Module WAN trouble | - | - | - | - |
| Combus fault restore | 3 333 | Expansion module failure restore | ER | Expansion restoral |
| Panel tamper restore | 3144 | Sensor tamper restore | TR | Tamper Restoral |
| Module tamper restore | 3 145 | Expansion module tamper restore | TR | Tamper restoral |
| Module ROM_RAM_error restore | 3 3A4 | ROM checksum bad restore | YG | Parameter changed |
| Module TLM restore | 3 352 | Telco 2 fault restore | LR | Phone line restoral |
| Early to arm by user | 3 451 | Early to close | CK | Early to close |
| Late to arm by user | 3 452 | Late to close | CJ | Late to close |
| Zone excluded on Force arming | 1 57A | Zone bypass | XW | Zone forced |
| Zone went back to arm status | 3 57A | Zone bypass restore | UU | Zone included |

Table 49: List of automatic report codes (Continued)

| System Event | Default Contact ID Report Code (when using sections [4032] to [4037]) | | Default SIA Report Code (when using sections [4032] to [4037]) | |
|--|--|--------------------------------|---|------------------------------|
| | Code | Description | Code | Description |
| Printer fault restore | 3 336 | Local printer failure restore | VR | Printer restore |
| Module AC restore | 3 3A1 | AC loss restore | AR | AC restoral |
| Module battery restore | 3 3A9 | Battery test failure restore | YR | System battery restoral |
| Module auxiliary supply restore | 3 3AA | System trouble restore | YQ | Power supply restored |
| Module IP receiver supervision restore | - | - | - | - |
| Module IP receiver fail to communicate restore | - | - | - | - |
| Module IP receiver unregistered restore | - | - | - | - |
| Direct light restore | - | - | - | - |
| Module Rf Interference restore | 3 344 | RF receiver Jam restore | XH | RF Jamming restoral |
| Module low voltage restore | - | - | - | - |
| Module self-test error restore | - | - | - | - |
| Module LAN trouble restore | - | - | - | - |
| Module WAN trouble restore | - | - | - | - |
| Fail to communicate with monitoring station | 1 354 | Fail to communicate | YC | Communication fails |
| Module RF low battery | 1 384 | RF transmitter low battery | XT | Transmitter battery trouble |
| Module RF supervision trouble | 1 381 | Loss of supervision - RF | US | Untype zone supervision |
| Module RF battery restore | 3 384 | RF transmitter battery restore | XR | Transmitter battery restoral |
| Module RF supervision restore | 3 381 | Supervision restore - RF | UR | Untyped zone restoral |
| Cold start | 1 3A8 | System shutdown | RR | Power up |
| Warm start | 1 3A5 | System reset | YW | Watchdog reset |
| Test report engaged | 1 6A2 | Periodic test report | TX | Test report |
| Listen-in request | 1 606 | Listen-in to follow | LF | Listen-in to follow |
| BabyWare login request | 1 411 | Call back Request | RB | Remote program begin |
| PC software communication finished | 1 412 | Successful - download access | RS | Remote program success |
| Installer on site | 1 627 | Program mode entry | LB | Local program |
| Installer programming finished | 1 628 | Program mode exit | LS | Local program success |
| Module fail to communicate restore | 3 354 | Fail to communicate restore | YK | Communication restore |
| Missing PCS module | 1 552 | Radio transmitter disabled | YS | Communication trouble |
| GSM RF jam | 1 552 | Radio transmitter disabled | YS | Communication trouble |
| GSM no service | 1 552 | Radio transmitter disabled | YS | Communication trouble |
| GPRS FTC IPR512 | 1 354 | Fail to communicate | YA | Communication fails |
| Missing IP module | 1 552 | Radio transmitter disabled | YS | Communication trouble |
| IP no service | 1 552 | Radio transmitter disabled | YS | Communication trouble |
| IP150 FTC IPR512 | 1 354 | Fail to communicate | YA | Communication fails |
| Missing PCS module restore | 3 552 | Radio transmitter restore | YK | Communication restore |
| GSM RF jam restore | 3 552 | Radio transmitter restore | YK | Communication restore |
| GPRS FTC IPR512 restore | 3 354 | Fail to communicate restore | YK | Communication restore |
| Missing IP module restore | 3 552 | Radio transmitter restore | YK | Communication restore |
| IP no service restore | 3 552 | Radio transmitter restore | YK | Communication restore |
| IP150 FTC IPR512 restore | 3 354 | Fail to communicate restore | YK | Communication restore |

NOTE: Items with a dash "-" indicates there is no report code by default.

Contact ID Report Codes

If using the Ademco contact ID format, enter the two-digit hexadecimal value (under the column heading *Value* in table 50) to program the desired report codes into sections [0201] to [0296], [0701] to [0832], [2001] to [2199], and [3900] to [3999].

Table 50: List of Ademco contact ID report codes

| Type | CID # | Reporting Code | Value |
|-------------------------------------|-----------------------|----------------------------|-------------|
| Medical Alarms (100) | 100 | Medical alarm | 01 |
| | 101 | Personal emergency | 02 |
| | 102 | Fail to report in | 03 |
| Fire Alarms (110) | 110 | Fire Alarm | 04 |
| | 111 | Smoke | 05 |
| | 112 | Combustion | 06 |
| | 113 | Water Flow | 07 |
| | 114 | Heat | 08 |
| | 115 | Pull Station | 09 |
| | 116 | Duct | 0A |
| | 117 | Flame | 0B |
| | 118 | Near Alarm | 0C |
| | Panic Alarms (120) | 120 | Panic alarm |
| 121 | | Duress | 0E |
| 122 | | Silent | 0F |
| 123 | | Audible | 10 |
| 124 | | Duress - access granted | 11 |
| 125 | | Duress - egress granted | 12 |
| Burglar Alarms (130) | 130 | Burglary | 13 |
| | 131 | Perimeter | 14 |
| | 132 | Interior | 15 |
| | 133 | 24-hour | 16 |
| | 134 | Entry/exit | 17 |
| | 135 | Day/night | 18 |
| | 136 | Outdoor | 19 |
| | 137 | Tamper | 1A |
| | 138 | Near alarm | 1B |
| General Alarms (140) | 140 | General alarm | 1D |
| | 141 | Polling loop open | 1E |
| | 142 | Polling loop short | 1F |
| | 143 | Extension module failure | 20 |
| | 144 | Sensor tamper | 21 |
| | 145 | Expansion module tamper | 22 |
| | 146 | Silent burglary | 23 |
| | 147 | Sensor supervision failure | 24 |
| 24-hour Non-burglary (150 & 160) | 150 | 24-hour non-burglary | 25 |
| | 151 | Gas detected | 26 |
| | 152 | Refrigeration | 27 |
| | 153 | Loss of heat | 28 |
| | 154 | Water leakage | 29 |
| | 155 | Foil break | 2A |
| | 156 | Day trouble | 2B |
| | 157 | Low bottled gas level | 2C |
| | 158 | High temperature | 2D |

Table 50: List of Ademco contact ID report codes

| Type | CID # | Reporting Code | Value | |
|---|---------------------------------|--------------------------------|---------------|----|
| 24-hour Non-burglary (150 & 160) (cont.) | 159 | Low temperature | 2E | |
| | 161 | Loss of air flow | 2F | |
| | 162 | Carbon monoxide detected | 30 | |
| | 163 | Tank level | 31 | |
| | 200 | Fire supervisory | 32 | |
| Fire Supervisory (200) | 201 | Low water pressure | 33 | |
| | 202 | Low CO2 | 34 | |
| | 203 | Gate valve sensor | 35 | |
| | 204 | Low water level | 36 | |
| | 205 | Pump activated | 37 | |
| | 206 | Pump failure | 38 | |
| | 300 | System trouble | 39 | |
| | 301 | AC loss | 3A | |
| | 302 | Low system battery | 3B | |
| | 303 | RAM checksum bad | 3C | |
| System Troubles (300 & 310) | 304 | ROM checksum bad | 3D | |
| | 305 | System reset | 3E | |
| | 306 | Panel program changed | 3F | |
| | 307 | Self-test failure | 40 | |
| | 308 | System shutdown | 41 | |
| | 309 | Battery test failure | 42 | |
| | 310 | Ground fault | 43 | |
| | 311 | Battery missing/dead | 44 | |
| | 312 | Power supply over current | 45 | |
| | 313 | Engineer reset | 46 | |
| | Sounder/Relay Troubles (320) | 320 | Sounder relay | 47 |
| | | 321 | Bell 1 | 48 |
| | | 322 | Bell 2 | 49 |
| | | 323 | Alarm relay | 4A |
| 324 | | Trouble relay | 4B | |
| 325 | | Reversing relay | 4C | |
| 326 | | Notification appliance chk. #3 | 4D | |
| 327 | | Notification appliance chk. #4 | 4E | |

Table 50: List of Ademco contact ID report codes

| Type | CID # | Reporting Code | Value | |
|---|---------------------------------|------------------------------------|--------------------------|----|
| System Peripheral Troubles (330 & 340) | 330 | System peripheral | 4F | |
| | 331 | Polling loop open | 50 | |
| | 332 | Polling loop short | 51 | |
| | 333 | Expansion module failure | 52 | |
| | 334 | Repeater failure | 53 | |
| | 335 | Local printer paper out | 54 | |
| | 336 | Local printer failure | 55 | |
| | 337 | Exp. module DC low | 56 | |
| | 338 | Exp. module low batt | 57 | |
| | 339 | Exp. module reset | 58 | |
| | 341 | Exp. module tamper | 59 | |
| | 342 | Exp. module AC lost | 5A | |
| | 343 | Exp. module self-test fail | 5B | |
| | 344 | RF receiver jam detected | 5C | |
| | Communication Troubles (350) | 350 | Communication | 5D |
| | | 351 | Telco fault 1 | 5E |
| 352 | | Telco fault 2 | 5F | |
| 353 | | Long range radio | 60 | |
| 354 | | Fail to communicate | 61 | |
| 355 | | Loss of radio supervision | 62 | |
| 356 | | Loss of central polling | 63 | |
| 357 | | Long range radio VSWR problem | 64 | |
| Protection Loop Troubles (370) | | 370 | Protection loop | 65 |
| | | 371 | Protection loop open | 66 |
| | 372 | Protection loop short | 67 | |
| | 373 | Fire trouble | 68 | |
| | 374 | Exit error alarm | 69 | |
| | 375 | Panic zone trouble | 6A | |
| | 376 | Hold-up zone trouble | 6B | |
| | 377 | Swinger trouble | 6C | |
| | 378 | Cross-zone trouble | 6D | |
| | Sensor Troubles (380 & 390) | 380 | Sensor trouble | 6E |
| | | 381 | Loss of supervision - RF | 6F |
| 382 | | Loss of supervision - RPM | 70 | |
| 383 | | Sensor tamper | 71 | |
| 384 | | RF transmitter low battery | 72 | |
| 385 | | Smoke detector hi sensitivity | 73 | |
| 386 | | Smoke detector low sensitivity | 74 | |
| 387 | | Intrusion detector hi sensitivity | 75 | |
| 388 | | Intrusion detector low sensitivity | 76 | |
| 389 | | Sensor self-test failure | 77 | |
| 391 | | Sensor watch trouble | 78 | |
| 392 | | Drift compensation error | 79 | |
| 393 | | Maintenance alert | 7A | |

Table 50: List of Ademco contact ID report codes

| Type | CID # | Reporting Code | Value |
|------------------------------------|-------------------------|--|-----------------------|
| Open/Close (400) | 400 | Open/close | 7B |
| | 401 | Open/close by user | 7C |
| | 402 | Group open/close | 7D |
| | 403 | Automatic open/close | 7E |
| | 406 | Cancel | 7F |
| | 407 | Remote arm/disarm | 80 |
| | 408 | Quick arm | 81 |
| | 409 | Keypad open/close | 82 |
| | Remote Access (410) | 411 | Callback request made |
| 412 | | Successful - download access | 84 |
| 413 | | Unsuccessful access | 85 |
| 414 | | System shutdown | 86 |
| 415 | | Dialer shutdown | 87 |
| 416 | | Successful upload | 88 |
| Access Control (420, 430 & 440) | 421 | Access denied | 89 |
| | 422 | Access report by user | 8A |
| | 423 | Forced access | 8B |
| | 424 | Egress denied | 8C |
| | 425 | Egress granted | 8D |
| | 426 | Access door propped open | 8E |
| | 427 | Access point door status monitor trouble | 8F |
| | 428 | Access point request to exit | 90 |
| | 429 | Access program mode entry | 91 |
| | 430 | Access program mode exit | 92 |
| | 431 | Access threat level change | 93 |
| | 432 | Access relay/trigger fail | 94 |
| | 433 | Access RTE shunt | 95 |
| | 434 | Access DSM shunt | 96 |
| | 441 | Armed stay | 97 |
| | 442 | Keypad armed stay | 98 |
| Special Troubles (450 & 460) | 450 | Exception open/close | 99 |
| | 451 | Early open/close | 9A |
| | 452 | Late open/close | 9B |
| | 453 | Failed to open | 9C |
| | 454 | Failed to close | 9D |
| | 455 | Auto-arm failed | 9E |
| | 456 | Partial arm | 9F |
| | 457 | User exit error | A0 |
| | 458 | User on premises | A1 |
| | 459 | Recent close | A2 |
| | 461 | Wrong code entry | A3 |
| | 462 | Legal code entry | A4 |
| | 463 | Re-arm after alarm | A5 |
| | 464 | Auto-arm time extended | A6 |
| 465 | Panic alarm reset | A7 | |
| 466 | Service ON/OFF premises | A8 | |

Table 50: List of Ademco contact ID report codes

| Type | CID # | Reporting Code | Value |
|---------------------------------------|---------------------|---|-------|
| Sounder Relay Disables (520 & 530) | 520 | Sounder/relay disabled | A9 |
| | 521 | Bell 1 disable | AA |
| | 522 | Bell 2 disable | AB |
| | 523 | Alarm relay disable | AC |
| | 524 | Trouble relay disable | AD |
| | 525 | Reversing relay disable | AE |
| | 526 | Notification appliance chk. #3 disabled | AF |
| | 527 | Notification appliance chk. #4 disabled | B0 |
| | 531 | Module added | B1 |
| | 532 | Module removed | B2 |
| Communication Disabled (550) | 551 | Dialer disabled | B3 |
| | 552 | Radio transmitter disabled | B4 |
| Bypasses (570) | 570 | Zone bypass | B5 |
| | 571 | Fire bypass | B6 |
| | 572 | 24-hour zone bypass | B7 |
| | 573 | Burglary bypass | B8 |
| | 574 | Group bypass | B9 |
| | 575 | Swinger bypass | BA |
| | 576 | Access zone shunt | BB |
| 577 | Access point bypass | BC | |

Table 50: List of Ademco contact ID report codes

| Type | CID # | Reporting Code | Value |
|---|-------|--|-------|
| Test/Misc (600, 610, 620, 630 & 650) | 601 | Manual trigger test | BD |
| | 602 | Periodic test report | BE |
| | 603 | Periodic RF transmission | BF |
| | 604 | Fire test | C0 |
| | 605 | Status report to follow | C1 |
| | 606 | Listen-in to follow | C2 |
| | 607 | Walk test mode | C3 |
| | 608 | Periodic test - system trouble present | C4 |
| | 609 | Video xmitter active | C5 |
| | 611 | Point test Ok | C6 |
| | 612 | Point not tested | C7 |
| | 613 | Intrusion zone walk tested | C8 |
| | 614 | Fire zone walk tested | C9 |
| | 615 | Panic zone walk tested | CA |
| | 616 | Service request | CB |
| | 621 | Event log reset | CC |
| | 622 | Event log 50% full | CD |
| | 623 | Event log 90% full | CE |
| | 624 | Event log overflow | CF |
| | 625 | Time/date reset | D0 |
| | 626 | Time/date inaccurate | D1 |
| | 627 | Program mode entry | D2 |
| | 628 | Program mode exit | D3 |
| | 629 | 32-hour event log marker | D4 |
| | 630 | Schedule change | D5 |
| | 631 | Exception schedule change | D6 |
| | 632 | Access schedule change | D7 |
| | 654 | System inactivity | D8 |

Keypad Programming

Use the following section to program keypads on your EVOHD system. Use worksheets 47 to 49 to record your settings.

K641/K641+/K641R/K641LX/K656, and TM50

The keypad's serial number can be found on the keypad's PC board. It can also be viewed by pressing and holding **0**, entering the installer code, and then accessing section **[0000]**. The keypad's firmware version is also displayed in this section. Programming for the TM50 Touch Interface Module is performed via its touch screen menu interface. For more information on how to program the TM50, refer to the TM50 Menu Programming Guide.

Figure 3: The K641/K641R, K641+, K641LX, K656 and TM50 keypads



Table 51: Description of sections [001] to [006] for the K641/K641+/K641R/K641LX, K656 and TM50 keypads

| Section | Option | Description | OFF | ON |
|---|--------|--|--|---|
| Section [001] Keypad Partition Assignment | 1 | Partition 1 | <input type="checkbox"/> Disabled | <input checked="" type="checkbox"/> Enabled |
| | 2 | Partition 2 | <input type="checkbox"/> Disabled | <input checked="" type="checkbox"/> Enabled |
| | 3 | Partition 3 | <input type="checkbox"/> Disabled | <input checked="" type="checkbox"/> Enabled |
| | 4 | Partition 4 | <input type="checkbox"/> Disabled | <input checked="" type="checkbox"/> Enabled |
| | 5 | Partition 5 | <input type="checkbox"/> Disabled | <input checked="" type="checkbox"/> Enabled |
| | 6 | Partition 6 | <input type="checkbox"/> Disabled | <input checked="" type="checkbox"/> Enabled |
| | 7 | Partition 7 | <input type="checkbox"/> Disabled | <input checked="" type="checkbox"/> Enabled |
| | 8 | Partition 8 | <input type="checkbox"/> Disabled | <input checked="" type="checkbox"/> Enabled |
| Section [003] General Options 1 | 1 | Display code entry | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled |
| | 2 | Display exit delay | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled |
| | 3 | Display entry delay | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled |
| | 4 | Confidential mode (not for UL installations) | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled |
| | 5 | Exit confidential mode | <input checked="" type="checkbox"/> Enter code | <input type="checkbox"/> Press button |
| | 6 | Future use | - | - |
| | 7 | Future use | - | - |
| | 8 | Time display option | <input checked="" type="checkbox"/> yy/mm/dd | <input type="checkbox"/> dd/mm/yy |
| Section [005] Beep on Trouble | 1 | System and clock trouble beep | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled |
| | 2 | Communicator trouble beep | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled |
| | 3 | Module and combus trouble beep | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled |
| | 4 | All zone trouble beep | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled |
| | 5 | Future use | - | - |
| | 6 | Future use | - | - |
| | 7 | Time format | <input checked="" type="checkbox"/> 24 hr. clock | <input type="checkbox"/> 12 hr. clock |
| | 8 | Audible feedback on access request | <input type="checkbox"/> Disabled | <input checked="" type="checkbox"/> Enabled |
| Section [006] General Options 3 (K641R only) | 1 | Card activates door unlocked schedule | <input type="checkbox"/> Disabled | <input checked="" type="checkbox"/> Enabled |
| | 2 | Door left open alarm | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled |
| | 3 | Door forced open alarm | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled |
| | 4 | Future use | - | - |
| | 5 | Keypad tamper | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled |
| | 6 | Re-lock door | <input checked="" type="checkbox"/> After opening | <input type="checkbox"/> After closing |
| | 7 | Future use | - | - |
| | 8 | Unlock on REX | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled |
| Section [002] Assigning Doors to Partitions | 1 | Door assigned to partition 1 | <input type="checkbox"/> Disabled | <input checked="" type="checkbox"/> Enabled |
| | 2 | Door assigned to partition 2 | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled |
| | 3 | Door assigned to partition 3 | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled |
| | 4 | Door assigned to partition 4 | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled |
| | 5 | Door assigned to partition 5 | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled |
| | 6 | Door assigned to partition 6 | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled |
| | 7 | Door assigned to partition 7 | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled |
| | 8 | Door assigned to partition 8 | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled |
| Section [004] General Options 2 | 1 | Mute keypad | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled |
| | 2 | Exit delay beep | <input type="checkbox"/> Disabled | <input checked="" type="checkbox"/> Enabled |
| | 3 | Door left open pre-arm* | <input type="checkbox"/> Disabled | <input checked="" type="checkbox"/> Enabled |
| | 4 | Chime on zone closure | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled |
| | 5 | Door left open alarm feedback* | <input type="checkbox"/> Silent | <input checked="" type="checkbox"/> Audible |
| | 6 | Door left open alarm follows* | <input checked="" type="checkbox"/> Alarm restore | <input type="checkbox"/> Beep timer |
| | 7 | Door forced alarm* | <input type="checkbox"/> Silent | <input checked="" type="checkbox"/> Audible |
| | 8 | Door forced alarm* | <input checked="" type="checkbox"/> Alarm restore | <input type="checkbox"/> Beep timer |
| Section [006] PGM and Tamper Options | 1 | PGM state** | <input checked="" type="checkbox"/> N.O. | <input type="checkbox"/> N.C. |
| | 2 | PGM deactivation mode** | <input checked="" type="checkbox"/> Deactivation event | <input type="checkbox"/> PGM timer |
| | 3 | PGM base time | <input checked="" type="checkbox"/> 1 sec. | <input type="checkbox"/> 1 min. |
| | 4 | PGM Override** | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled |
| | 5 | Keypad tamper | <input checked="" type="checkbox"/> Disabled | <input type="checkbox"/> Enabled |
| | 6 | Future use | - | - |
| | 7 | Future use | - | - |
| | 8 | Future use | - | - |

▲ = Default

* Section/option is only available on K641R.

** Section/option is only available on K641, K641+, K641LX, and K656.

Worksheet 47: Keypad Settings for Sections [007] to [013]

| Section | Data | Description | Default Setting |
|---------|--|--|-----------------|
| [007] | ___/___/___ (005-255 sec.) | Confidential mode timer | 120 |
| [008] | ___/___/___ (000-255; see option 3 in section [006]) | PGM timer | 005 |
| [008] | ___/___/___ (000-255 sec.) | Door unlocked period* | 005 |
| [009] | ___/___/___ (005-255 sec. added to section [008]) | Door unlocked period extension* | 015 |
| [010] | ___/___/___ (000-255 sec.) | Door left open interval* | 060 |
| [011] | ___/___/___ (000-255 sec.) | Door left open pre-alarm timer* | 015 |
| [012] | ___/___/___ (000-255 sec.) | Beep timer for door left open alarm* | 005 |
| [013] | ___/___/___ (000-255 sec.) | Beep timer for door forced open alarm* | 005 |

* Section/option is only available on K641R.

Worksheet 48: Door Unlocked Schedule (K641R only)

| Section | Interval | Start Time (From) | End Time (To) | Days of the Week (Turn ON or OFF) | | | | | | | |
|---------|------------|-------------------|---------------|-----------------------------------|---|---|---|---|---|---|---|
| | | | | S | M | T | W | T | F | S | H |
| [017] | Schedule A | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Schedule B | ___ : ___ | ___ : ___ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

Table 52: Beeping Assignment Options

| Section | Option | Description | OFF | | ON | |
|-------------------------------------|--------|-------------|--------------------------|------|----|---------|
| Section [018] Beeping Assignment | 1 | Partition 1 | <input type="checkbox"/> | Mute | ▲ | Audible |
| | 2 | Partition 2 | <input type="checkbox"/> | Mute | ▲ | Audible |
| | 3 | Partition 3 | <input type="checkbox"/> | Mute | ▲ | Audible |
| | 4 | Partition 4 | <input type="checkbox"/> | Mute | ▲ | Audible |
| | 5 | Partition 5 | <input type="checkbox"/> | Mute | ▲ | Audible |
| | 6 | Partition 6 | <input type="checkbox"/> | Mute | ▲ | Audible |
| | 7 | Partition 7 | <input type="checkbox"/> | Mute | ▲ | Audible |
| | 8 | Partition 8 | <input type="checkbox"/> | Mute | ▲ | Audible |

▲ = Default

Worksheet 49: PGM Activation and Deactivation

| Description | Event Group | | Feature Group | | Start # | | End # | |
|------------------|-------------|-------------|---------------|-------------|---------|-------------|---------|-------------|
| | Section | Data | Section | Data | Section | Data | Section | Data |
| PGM activation | [009] | ___/___/___ | [010] | ___/___/___ | [011] | ___/___/___ | [012] | ___/___/___ |
| PGM deactivation | [013] | ___/___/___ | [014] | ___/___/___ | [015] | ___/___/___ | [016] | ___/___/___ |

WARNING: All event groups, except groups 064 to 067, can be used to program the module's PGM. With the K641LX, all event groups can be used to program the module's PGM except group 067. See Programmable Outputs on page 20, for details.

Table 53: Testing Keypad's PGM Output

| Section | Description |
|---------|---|
| [020] | The keypad's PGM output will be activated for 8 seconds |

Wireless Receiver Options

Table 54: Wireless Receiver Options

| Section | Option | Description | OFF | | ON | |
|--|--------|------------------------------------|-------------------------------------|-----------------------|--------------------------|-----------------------|
| Section [021] Wireless Receiver Options | 1 | Future use | <input type="checkbox"/> | - | <input type="checkbox"/> | - |
| | 2 | Check-in supervision | <input checked="" type="checkbox"/> | Disabled | <input type="checkbox"/> | Enabled |
| | 3 | Check-in supervision time interval | <input checked="" type="checkbox"/> | 24 hours | <input type="checkbox"/> | 80 min. |
| | 4 | RF jamming supervision | <input checked="" type="checkbox"/> | Disabled | <input type="checkbox"/> | Enabled |
| | 5 | Future use | <input type="checkbox"/> | - | <input type="checkbox"/> | - |
| | 6 | Future use | <input type="checkbox"/> | - | <input type="checkbox"/> | - |
| | 7 | Future use | <input type="checkbox"/> | - | <input type="checkbox"/> | - |
| | 8 | Transmitter tamper signal | <input checked="" type="checkbox"/> | Ignores tamper signal | <input type="checkbox"/> | Reports tamper signal |

▲ = Default

Remote Control Options

Table 55: Remote Control Options

| Section | Option | Description | OFF | | ON | |
|---|--------|-----------------------------------|--------------------------|----------------------|-------------------------------------|-----------------------|
| Section [022] Remote Control Options | 1 | REM2 visual and auditory feedback | <input type="checkbox"/> | REM2 v2.00 and lower | <input checked="" type="checkbox"/> | REM2 v2.01 and higher |
| | 2 | Future use | <input type="checkbox"/> | - | <input type="checkbox"/> | - |
| | 3 | Future use | <input type="checkbox"/> | - | <input type="checkbox"/> | - |
| | 4 | Future use | <input type="checkbox"/> | - | <input type="checkbox"/> | - |
| | 5 | Future use | <input type="checkbox"/> | - | <input type="checkbox"/> | - |
| | 6 | Future use | <input type="checkbox"/> | - | <input type="checkbox"/> | - |
| | 7 | Future use | <input type="checkbox"/> | - | <input type="checkbox"/> | - |
| | 8 | Future use | <input type="checkbox"/> | - | <input type="checkbox"/> | - |

▲ = Default

Viewing Serial Numbers

Table 56: Viewing Serial Numbers

| Section | Description |
|---------|--|
| [030] | Press and hold the transmitter's anti-tamper switch to view the 6-digit serial number. |

Wireless Zone Assignment

Use the following section to program the wireless zones on your EVOHD panel. Use worksheet 50 to record your settings.
Worksheet 50: Wireless Zones

| Section | Zone # | Serial # | Section | Zone # | Serial # | Section | Zone # | Serial # |
|---------|--------|-------------------------|---------|--------|-------------------------|---------|--------|-------------------------|
| [101] | 1 | ___/___/___/___/___/___ | [112] | 12 | ___/___/___/___/___/___ | [123] | 23 | ___/___/___/___/___/___ |
| [102] | 2 | ___/___/___/___/___/___ | [113] | 13 | ___/___/___/___/___/___ | [124] | 24 | ___/___/___/___/___/___ |
| [103] | 3 | ___/___/___/___/___/___ | [114] | 14 | ___/___/___/___/___/___ | [125] | 25 | ___/___/___/___/___/___ |
| [104] | 4 | ___/___/___/___/___/___ | [115] | 15 | ___/___/___/___/___/___ | [126] | 26 | ___/___/___/___/___/___ |
| [105] | 5 | ___/___/___/___/___/___ | [116] | 16 | ___/___/___/___/___/___ | [127] | 27 | ___/___/___/___/___/___ |
| [106] | 6 | ___/___/___/___/___/___ | [117] | 17 | ___/___/___/___/___/___ | [128] | 28 | ___/___/___/___/___/___ |
| [107] | 7 | ___/___/___/___/___/___ | [118] | 18 | ___/___/___/___/___/___ | [129] | 29 | ___/___/___/___/___/___ |
| [108] | 8 | ___/___/___/___/___/___ | [119] | 19 | ___/___/___/___/___/___ | [130] | 30 | ___/___/___/___/___/___ |
| [109] | 9 | ___/___/___/___/___/___ | [120] | 20 | ___/___/___/___/___/___ | [131] | 31 | ___/___/___/___/___/___ |
| [110] | 10 | ___/___/___/___/___/___ | [121] | 21 | ___/___/___/___/___/___ | [132] | 32 | ___/___/___/___/___/___ |
| [111] | 11 | ___/___/___/___/___/___ | [122] | 22 | ___/___/___/___/___/___ | | | |

NOTE: When assigning wireless zones, either enter the serial number or press **TAMPER/LEARN**. To delete the serial number, enter **000000**.

Wireless Transmitter Signal Strength

The signal strength test for wireless transmitters is performed in sections **[601]** to **[632]**; these sections represent wireless zones 1 to 32, respectively. To view the signal strength of your various wireless devices, proceed as follows:

1. Enter the zone's respective section (e.g., for zone 1, enter section **[601]**).
2. Press the transmitter's anti-tamper switch and note the number of beeps which are emitted. As shown in table 57, the number of beeps correspond to a preset signal strength range.

Table 57: Signal strength indicator for wireless transmitters

| Number of Beeps | Signal Strength | Result |
|-----------------|-----------------|--------------------------|
| 4 short beeps | 4 to 10 | Average to strong signal |
| 1 long beep | 3 or less | Weak signal (relocate) |

NOTE: The visual representation of a transmitter's signal strength is dependent on the type of keypad. For LED keypads, zones 1 through 10 will illuminate, depending on the signal strength. For instance, a signal strength of 8 will result in zones 1 through 8 to illuminate. For LCD keypads, a ten-level progress bar composed of arrows will appear, followed by the numeric value. For a signal strength of 8, eight arrows will appear, followed by the number 8.

Current Battery Life

The current battery life for wireless transmitters is viewed in sections **[701]** to **[732]**; these sections represent wireless zones 1 to 32, respectively. To test the wireless transmitter strength of your various wireless devices, proceed as follows:

1. Enter the zone's respective section (e.g., for zone 1, enter section **[701]**).
2. The current battery life of the wireless transmitter is shown in weeks (e.g., 004= 4 weeks).

Previous Battery Life

The previous battery life for wireless transmitters is viewed in sections **[801]** to **[832]**; these sections represent wireless zones 1 to 32, respectively. To view the wireless transmitter previous battery life, proceed as follows:

1. Enter the zone's respective section (e.g., for zone 1, enter section **[801]**).
2. The previous battery life of the wireless transmitter is shown in weeks (e.g., 004= 4 weeks).

Wireless PGM Signal Strength

The signal strength for wireless PGMs is visible in sections **[671]** to **[678]**; these sections represent PGMs 1 to 8, respectively. To view the signal strength, proceed as follows:

1. Enter the wireless PGM's respective section (e.g., for PGM 1, enter section **[671]**).
2. Press the PGM's anti-tamper switch. As shown in table 58, the number of beeps correspond to a preset signal strength range.

Table 58: Signal strength indicator for wireless PGMs

| Number of Beeps | Signal Strength | Result |
|-----------------|-----------------|--------------------------|
| 4 short beeps | 4 to 10 | Average to strong signal |
| 1 long beep | 3 or less | Weak signal (relocate) |

Wireless 2WPGM Serial Numbers

Use worksheet 51 to record your settings for 2WPGM serial numbers. To delete a wireless 2WPGM, enter **00000** while in the PGM's respective section. For automatic assignment, press the 2WPGM's anti-tamper switch while in the 2WPGM's respective section.

Worksheet 51: 2WPGM Serial Numbers

| Section | 2WPGM # | Wireless 2WPGM Serial Number |
|--------------|---------|------------------------------|
| [901] | 2WPGM 1 | ___/___/___/___/___/___ |
| [902] | 2WPGM 2 | ___/___/___/___/___/___ |
| [903] | 2WPGM 3 | ___/___/___/___/___/___ |
| [904] | 2WPGM 4 | ___/___/___/___/___/___ |
| [905] | 2WPGM 5 | ___/___/___/___/___/___ |
| [906] | 2WPGM 6 | ___/___/___/___/___/___ |
| [907] | 2WPGM 7 | ___/___/___/___/___/___ |
| [908] | 2WPGM 8 | ___/___/___/___/___/___ |

Wireless 2WPGM Activation/Deactivation Events

Use worksheet 52 to record your settings for the 2WPGM activation/deactivation events.

Worksheet 52: 2WPGM Activation/Deactivation Events

| | Section | 2WPGM | Event Group | Section | Feature Group | Section | Start # | Section | End # |
|-----------------------|---------|---------|-------------|---------|---------------|---------|-------------|---------|-------------|
| 2WPGM Activation | [910] | 2WPGM 1 | ___/___/___ | [911] | ___/___/___ | [912] | ___/___/___ | [913] | ___/___/___ |
| | [920] | 2WPGM 2 | ___/___/___ | [921] | ___/___/___ | [922] | ___/___/___ | [923] | ___/___/___ |
| | [930] | 2WPGM 3 | ___/___/___ | [931] | ___/___/___ | [932] | ___/___/___ | [933] | ___/___/___ |
| | [940] | 2WPGM 4 | ___/___/___ | [941] | ___/___/___ | [942] | ___/___/___ | [943] | ___/___/___ |
| | [950] | 2WPGM 5 | ___/___/___ | [951] | ___/___/___ | [952] | ___/___/___ | [953] | ___/___/___ |
| | [960] | 2WPGM 6 | ___/___/___ | [961] | ___/___/___ | [962] | ___/___/___ | [963] | ___/___/___ |
| | [970] | 2WPGM 7 | ___/___/___ | [971] | ___/___/___ | [972] | ___/___/___ | [973] | ___/___/___ |
| | [980] | 2WPGM 8 | ___/___/___ | [981] | ___/___/___ | [982] | ___/___/___ | [983] | ___/___/___ |
| 2WPGM Deactivation | [914] | 2WPGM 1 | ___/___/___ | [915] | ___/___/___ | [916] | ___/___/___ | [917] | ___/___/___ |
| | [924] | 2WPGM 2 | ___/___/___ | [925] | ___/___/___ | [926] | ___/___/___ | [927] | ___/___/___ |
| | [934] | 2WPGM 3 | ___/___/___ | [935] | ___/___/___ | [936] | ___/___/___ | [937] | ___/___/___ |
| | [944] | 2WPGM 4 | ___/___/___ | [945] | ___/___/___ | [946] | ___/___/___ | [947] | ___/___/___ |
| | [954] | 2WPGM 5 | ___/___/___ | [955] | ___/___/___ | [956] | ___/___/___ | [957] | ___/___/___ |
| | [964] | 2WPGM 6 | ___/___/___ | [965] | ___/___/___ | [966] | ___/___/___ | [967] | ___/___/___ |
| | [974] | 2WPGM 7 | ___/___/___ | [975] | ___/___/___ | [976] | ___/___/___ | [977] | ___/___/___ |
| | [984] | 2WPGM 8 | ___/___/___ | [985] | ___/___/___ | [986] | ___/___/___ | [987] | ___/___/___ |

2WPGM Delays

Use worksheet 53 to record your settings for the 2WPGM delays.

Worksheet 53: 2WPGM Delays

| Section | 2WPGM Delay Value | Range | Description | Default Setting |
|---------|-------------------|----------------------------|---------------|-----------------|
| [918] | ___/___/___ | (001 to 255 x 1 sec./min.) | 2WPGM 1 delay | 5 sec./min. |
| [928] | ___/___/___ | (001 to 255 x 1 sec./min.) | 2WPGM 2 delay | 5 sec./min. |
| [938] | ___/___/___ | (001 to 255 x 1 sec./min.) | 2WPGM 3 delay | 5 sec./min. |
| [948] | ___/___/___ | (001 to 255 x 1 sec./min.) | 2WPGM 4 delay | 5 sec./min. |
| [958] | ___/___/___ | (001 to 255 x 1 sec./min.) | 2WPGM 5 delay | 5 sec./min. |
| [968] | ___/___/___ | (001 to 255 x 1 sec./min.) | 2WPGM 6 delay | 5 sec./min. |
| [978] | ___/___/___ | (001 to 255 x 1 sec./min.) | 2WPGM 7 delay | 5 sec./min. |
| [988] | ___/___/___ | (001 to 255 x 1 sec./min.) | 2WPGM 8 delay | 5 sec./min. |

Partition One-touch Options

Table 59: Partition One-touch Options

| Option | Description | PGM 1 [919] | | PGM 2 [929] | | PGM 3 [939] | | PGM 4 [949] | | PGM 5 [959] | | PGM 6 [969] | | PGM 7 [979] | | PGM 8 [989] | |
|--------|--|-------------|----|-------------|----|-------------|----|-------------|----|-------------|----|-------------|----|-------------|----|-------------|----|
| | | OFF | ON | OFF | ON | OFF | ON | OFF | ON | OFF | ON | OFF | ON | OFF | ON | OFF | ON |
| 1 | PGM deactivation event after: see table 60 | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 2 | PGM base time (On = min. / Off = sec.) | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |
| 3 | Future use | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ |
| 4 | Future use | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ |
| 5 | Future use | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ |
| 6 | Future use | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ |
| 7 | Future use | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ |
| 8 | Flexible PGM deactivation: see table 60 | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ | ▲ | □ |

▲ = Default

Table 60: Partition One-touch Options; Options 1 and 8

| Option | | Description |
|--------|-----|---------------------------------|
| 1 | 8 | |
| OFF | OFF | Deactivation event |
| OFF | ON | Deactivation event |
| ON | OFF | PGM timer |
| ON | ON | PGM timer or deactivation event |

Table 61: 2WPGM Tamper/Supervision Trouble

| Section | Description |
|---------|--|
| [991] | The serial number of the 2WPGM that is in tamper trouble will be displayed. |
| [992] | The serial number of the 2WPGM that is in supervision trouble will be displayed. |

Label Programming

Each section, from [101] to [148], [200] to [204], and [301] to [396], contains one label with a maximum of 16 characters. These sections contain the following labels:

- Sections [101] to [148]: zone 01 to zone 48, respectively
- Section [200] = Paradox Security
- Sections [201] to [204]: first area, second area, third area, and fourth area
- Sections [301] to [396]: code 01 to code 96, respectively

After entering the section corresponding to the desired label, the label can be re-programmed to suit your installation needs (see table 62). For example, section [101] (Zone 01) can be changed to *Front Door*.

Table 62: Description of the special function keys, used for programming labels on the K641/K641+/K641R/K641LX and K656 keypads

| Function | Description | K641/K641+/ K641R/ K641LX/ | K656 |
|---------------------------|---|----------------------------------|-------|
| Insert space | Insert a blank space at the current cursor's position. | STAY | STAY |
| Delete | Delete the character or blank space found at the cursor's current position. | FORCE | SLEEP |
| Delete until end of entry | Delete all characters and spaces to the right of the cursor, as well as at the cursor's current position. | ARM | ARM |
| Numeric/alphanumeric | Toggle from numeric to alphanumeric keys, and vice versa. Numeric: keys 0 to 9 represent numbers 0 to 9; alphanumeric: refer to table 63. | DISARM | OFF |
| Lower/upper case | Toggle from lower to upper case, and vice versa. | BYP | MENU |
| Special characters | After pressing this key, the cursor will turn into a flashing black square. Using the special characters outlined in figure , enter the three-digit number for the desired character. | MEM | ☐ |

Table 63: Description of alphanumeric key inputs

| Key | Press Key Once | Press Key Twice | Press Key Three Times |
|-----|----------------|-----------------|-----------------------|
| 1 | A | B | C |
| 2 | D | E | F |
| 3 | G | H | I |
| 4 | J | K | L |
| 5 | M | N | O |
| 6 | P | Q | R |
| 7 | S | T | U |
| 8 | V | W | X |
| 9 | Y | Z | |

| | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 032 | 048 | 064 | 080 | 096 | 112 | 128 | 144 | 160 | 176 | 192 | 208 |
| | 0 | @ | P | ` | p | Û | Ê | § | Φ | • | |
| 033 | 049 | 065 | 081 | 097 | 113 | 129 | 145 | 161 | 177 | 193 | 209 |
| ! | 1 | A | Q | a | q | Û | È | Î | ± | Ł | ¨ |
| 034 | 050 | 066 | 082 | 098 | 114 | 130 | 146 | 162 | 178 | 194 | 210 |
| " | 2 | B | R | b | r | Û | É | Ï | Ïj | Đ | ° |
| 035 | 051 | 067 | 083 | 099 | 115 | 131 | 147 | 163 | 179 | 195 | 211 |
| # | 3 | C | S | c | s | Û | Ë | Í | ↑ | β | ` |
| 036 | 052 | 068 | 084 | 100 | 116 | 132 | 148 | 164 | 180 | 196 | 212 |
| \$ | 4 | D | T | d | t | Û | ê | Ï | ↓ | ç | ' |
| 037 | 053 | 069 | 085 | 101 | 117 | 133 | 149 | 165 | 181 | 197 | 213 |
| % | 5 | E | U | e | u | Û | è | ì | ↵ | ® | ~ |
| 038 | 054 | 070 | 086 | 102 | 118 | 134 | 150 | 166 | 182 | 198 | 214 |
| & | 6 | F | V | f | v | Û | é | Ñ | f | □ | ÷ |
| 039 | 055 | 071 | 087 | 103 | 119 | 135 | 151 | 167 | 183 | 199 | 215 |
| ' | 7 | G | W | g | w | Û | ë | ñ | £ | ☐ | « |
| 040 | 056 | 072 | 088 | 104 | 120 | 136 | 152 | 168 | 184 | 200 | 216 |
| (| 8 | H | X | h | x | Û | À | Ñ | → | μ | » |
| 041 | 057 | 073 | 089 | 105 | 121 | 137 | 153 | 169 | 185 | 201 | 217 |
|) | 9 | I | Y | i | y | Û | Á | Ñ | ↓ | Ø | ‡ |
| 042 | 058 | 074 | 090 | 106 | 122 | 138 | 154 | 170 | 186 | 202 | 218 |
| * | : | J | Z | j | z | Û | â | Ñ | ↑ | ÿ | \ |
| 043 | 059 | 075 | 091 | 107 | 123 | 139 | 155 | 171 | 187 | 203 | 219 |
| + | ; | K | l | k | { | Û | ã | v | ↵ | Ā | x |
| 044 | 060 | 076 | 092 | 108 | 124 | 140 | 156 | 172 | 188 | 204 | 220 |
| , | < | L | ¥ | l | | Û | ä | ÿ | ¶ | ¢ | Ⓢ |
| 045 | 061 | 077 | 093 | 109 | 125 | 141 | 157 | 173 | 189 | 205 | 221 |
| - | = | M |] m | } | | Û | á | ÿ | ½ | ã | Ⓢ |
| 046 | 062 | 078 | 094 | 110 | 126 | 142 | 158 | 174 | 190 | 206 | 222 |
| . | > | N | ^ n | → | | Û | ä | ÿ | ⅓ | Ö | Ⓢ |
| 047 | 063 | 079 | 095 | 111 | 127 | 143 | 159 | 175 | 191 | 207 | 223 |
| / | ? | O | _ o | ← | | Û | Å | Æ | ¼ | õ | ≡ |

Figure 4: Special characters for label programming.

Using the Memory Key

Table 64: Description of memory key sections ([510] to [520])

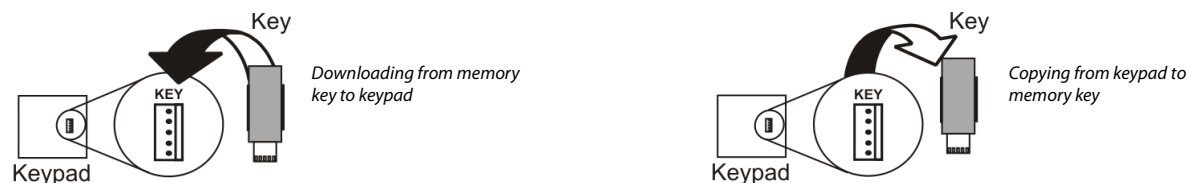
| Section | Description |
|---------|---|
| [510] | Download all content from the memory key (keypad sections [001] to [396], as well all labels and messages) to the keypad. |
| [520] | Copy the keypad sections [001] to [396], as well as labels and messages to the memory key. |

Downloading Content from Memory Key to Keypad

To download content from the memory key to the keypad (refer to figure 5), proceed as follows:

1. Connect the memory key to the connector labelled **KEY** on the keypad.
2. Enter the keypad's programming mode, and then access section [510].
3. Wait for two separate confirmation beeps, and then remove the memory key.

Figure 5: Downloading from memory key to keypad and vice-versa.



Copying Content from Keypad to the Memory Key

To copy content from the memory key to the keypad (refer to figure 5), proceed as follows:

1. Connect memory key to the connector labelled **KEY** on the keypad. Ensure that the write-protect jumper is ON (refer to figure 6).
2. Enter the keypad's programming mode, and then access section [520].
3. Wait for two separate confirmation beeps, and then remove the memory key. Remove the memory key's jumper, so you do not accidentally overwrite its contents.

Figure 6: The PMCS Memory Key.



Combust Voltmeter

To verify if the combust is supplying sufficient power, press and hold **0**, enter the installer code, and press **Acc** on the K641/K641+/K641R/K641LX and TM50 keypads, or **⏻** on the K656 keypad. A reading of 10.5V or lower, indicates to a distant module that the voltage is too low. The voltage may drop during the control panel battery test.

Updating Firmware Using BabyWare

To update your system firmware:

1. Connect the product to your PC, using a 307USB Direct Connect Interface or CV4USB Converter.

NOTE: If you are using the 307USB to upgrade a keypad that features a four-pin serial connector, you must first disconnect the GRN and YEL combust wires.

2. Launch BabyWare.
3. Click the In-Field Programmer icon.
4. Verify the product information located in the In-Field Firmware Programmer window.
5. If the firmware programmer automatically detects your control panel, proceed to the next step. If it does not automatically detect your control panel, click **Com Port Settings** and select the correct **Com** port. Once the correct port has been selected, click the **Refresh Product Info** button to connect with the panel.
6. To check for new firmware updates, click **Download Firmware from the Web**.
7. From the **Select Firmware** drop-down menu, select the firmware version you wish to install. If you have already downloaded the PUF file from paradox.com, click [...], and then select your PUF file from the appropriate location.
8. Click **Update Product Firmware**. When the download process comes to an end, the update is complete.

The following section provides information on certain hardware connections for your EVOHD control panel. For detailed information, including connection diagrams, refer to the EVOHD Installation Guide. The installation guide is available from paradox.com.

Table 65: Milliamp reference table for different wire gauges

| Wire Gauge | Length (of each run of wire) | Available Milliamps (mA) | Wire Gauge | Length (of each run of wire) | Available Milliamps (mA) | Wire Gauge | Length (of each run of wire) | Available Milliamps (mA) | Wire Gauge | Length (of each run of wire) | Available Milliamps (mA) |
|----------------------------------|------------------------------|--------------------------|-----------------------------------|------------------------------|--------------------------|-----------------------------------|------------------------------|--------------------------|-----------------------------------|------------------------------|--------------------------|
| 16AWG (Surface: 1.039 sq. mm) | 30 m (100 ft.) | 2000 | 18 AWG (Surface: 0.823 sq. mm) | 30 m (100 ft.) | 2000 | 22 AWG (Surface: 0.326 sq. mm) | 30 m (100 ft.) | 1382 | 24 AWG (Surface: 0.205 sq. mm) | 30m (100 ft.) | 869 |
| | 61 m (200 ft.) | 2000 | | 61 m (200 ft.) | 1718 | | 61 m (200 ft.) | 680 | | 61m (200 ft.) | 427 |
| | 91 m (300 ft.) | 1831 | | 91 m (300 ft.) | 1151 | | 91 m (300 ft.) | 456 | | 91m (300 ft.) | 286 |
| | 122 m (400 ft.) | 1366 | | 122 m (400 ft.) | 859 | | 122 m (400 ft.) | 340 | | 122m (400 ft.) | 214 |
| | 152 m (500 ft.) | 1096 | | 152 m (500 ft.) | 689 | | 152 m (500 ft.) | 273 | | 152m (500 ft.) | 171 |
| | 183 m (600 ft.) | 910 | | 183 m (600 ft.) | 573 | | 183 m (600 ft.) | 227 | | 183m (600 ft.) | 142 |
| | 213 m (700 ft.) | 782 | | 213 m (700 ft.) | 492 | | 213 m (700 ft.) | 195 | | | |
| | 244 m (800 ft.) | 683 | | 244 m (800 ft.) | 429 | | 244 m (800 ft.) | 170 | | | |
| | 274 m (900 ft.) | 608 | | 274 m (900 ft.) | 382 | | 274 m (900 ft.) | 151 | | | |
| | 305 m (1000 ft.) | 546 | | 305 m (1000 ft.) | 344 | | 305 m (1000 ft.) | 136 | | | |
| | 457 m (1500 ft.) | 365 | | 457 m (1500 ft.) | 229 | | | | | | |
| | 610 m (2000 ft.) | 273 | | 610 m (2000 ft.) | 172 | | | | | | |
| | 762 m (2500 ft.) | 219 | | 762 m (2500 ft.) | 138 | | | | | | |
| | 914 m (3000 ft.) | 182 | | 914 m (3000 ft.) | 115 | | | | | | |

Milliamp Consumption

Using worksheet 54 on page 69, proceed as follows:

1. Calculate the total number of milliamps (mA) required by each device, module, and accessory in your EVOHD system. Make sure to take into account devices connected to the control panel's PGM outputs. Since the bell output has its own power supply, do not include the sirens which are connected to it in your calculation.
2. If the grand total is less than 2000 mA, proceed to step 3. If the value is greater, an external power supply will be required to provide the additional power needed.
3. Due to the degradation of a power signal over long distances (if such is the case, the PS17 Paradox Power Supply Module is recommended), each length (or run) of wire in the system can support only a specific number of milliamps (mA). Using table 65, determine how many milliamps each run of wire can support.

NOTE: The total number of milliamps (mA) can never surpass 2000 mA.

Worksheet 54: Milliamp Consumption of Various Devices

| Device | QTY | Consumption for Each | Total (mA) |
|--|-------|----------------------|------------|
| Communicator Module(PCS250/G) | _____ | x 450 mA | _____ |
| Grafica Color LCD Keypad (K07C) | _____ | x 130 mA | _____ |
| LCD keypads (K641, K641+, K656, K641LX) | _____ | x 110 mA | _____ |
| LCD keypads with built-in reader (K641R) | _____ | x 120 mA | _____ |
| Motion detector modules (DG85, DM50/60/70) | _____ | x 30 mA | _____ |
| Door contact modules (ZC1) | _____ | x 15 mA | _____ |
| 1-Zone expansion modules (ZX1) | _____ | x 30 mA | _____ |
| 4-Zone expansion modules (ZX4) | _____ | x 30 mA | _____ |
| 8-Zone expansion modules (ZX8) | _____ | x 30 mA | _____ |
| 8-Zone expansion modules (ZX8D) | _____ | x 60 mA | _____ |
| 16-Zone expansion modules (ZX16D) | _____ | x 70 mA | _____ |
| 32-Zone expansion modules (ZX32D) | _____ | x 176 mA | _____ |
| TM50 | _____ | x 200 mA | _____ |
| DG457 | _____ | x 35 mA | _____ |
| DG467 | _____ | x 35 mA | _____ |
| HD77 PIR | _____ | x 330 mA | _____ |
| Magellan wireless expansion modules (RTX3) | _____ | x 35 mA | _____ |
| 4-PGM expansion modules (PGM4) | _____ | x 150 mA | _____ |
| Printer modules (PRT3) | _____ | x 25 mA | _____ |
| DVACS modules (DVAC) | _____ | x 40 mA | _____ |

Worksheet 54: Milliamp Consumption of Various Devices

| <i>Device</i> | <i>QTY</i> | <i>Consumption for Each</i> | <i>Total (mA)</i> |
|--|------------|-----------------------------|-------------------|
| Annunciator modules (ANC1) | _____ | x 20 mA | _____ |
| InTouch voice-assisted arm/disarm modules (ADM2) | _____ | x 105 mA | _____ |
| Hub and bus isolator (HUB2) | _____ | x 50 mA | _____ |
| Hub and bus isolator (HUB4D) | _____ | x 73 mA | _____ |
| Access control module (ACM12) (The ACM12 consumes 130mA from its own power supply and cannot be powered by the combus; the ACM11 consumes 120mA when connected to the combus for power) | _____ | x 120 mA | _____ |
| Listen-in module (LSN4) | _____ | x 60 mA | _____ |
| Internet module (IP150) | _____ | x 110 mA | _____ |
| Plug-in voice module (VDMP3) | _____ | x 35 mA | _____ |
| Other devices such as hardwired motion detectors | _____ | | _____ |
| Grand Total | | | |
| (The maximum available milliamps is 2000 mA) | | | _____ |

Connecting the Combust in Noisy Environments

When installing the combus wires in proximity to high electrical interference, such as neon lights, motors, high-voltage wiring, and transformers, or if connecting the combus across separate buildings, you must use shielded cables. Connect the shielded cable as follows:

- **Within the same building:** strip the outer jacket at one end of the shielded cable to expose the shield. Connect the shield to the control panel ground (not the dialer ground), while leaving the shield at the other end of the cable open (floating).
- **Across separate buildings:** strip the outer jacket at one end of the shielded cable to expose the shield. In the same building that houses the control panel, connect the exposed shield to a cold water pipe or any other earth ground available, while leaving the shield at the other end of the cable open (floating). The same configuration applies to any subsequent building.

Trouble Display

The following section provides information on the different trouble groups associated with your EVOHD control panel.

K641/K641+/K641R/K641LX

To view the trouble display on the K641/K641+/K641R/K641LX and K648 keypads:

1. Press **TRBL**.
2. To view the specific trouble: For K641/K641+/K641R/K641LX, press the trouble's corresponding number key and use the **▲** and **▼** keys.

K656

To view the trouble display on the K656 keypad:

1. Press **MENU**.
2. Press **5** or scroll to the **View Trouble** sub-menu using the **▲** and **▼** keys, and then press **ENTER**.
3. Press the trouble's corresponding number key and use the **▲** and **▼** keys to view the specific trouble.

Grafica

To view the trouble display on Grafica keypads:

1. Enter your access code.
2. Using the scroll keys, highlight *Trouble* and then press the center action key (*Ok*). The troubles will appear by trouble group. If more than one trouble group appears, highlight the desired group before pressing the center action key (*View*), to view the specific trouble.

Trouble Groups

Table 66: Trouble groups for the EVOHD system

| Group | # | Description | Group | # | Description | Group | # | Description | Group | # | Description |
|----------------|---|--|---------------------|----|---|-------------------|------------------------|---|------------------------------|---|---------------------------------------|
| 1: System | 1 | AC failure | 2: Communicator | 1 | TLM1 | 3: Module Trouble | 1 | Module tamper | 4: Network (Combus) Troubles | 1 | Missing keypad |
| | 2 | Battery failure | | 2 | Fail to Com. 1 | | 2 | Module ROM check error | | 2 | Missing module |
| | 3 | Aux. current limit | | 3 | Fail to Com. 2 | | 3 | Module TLM trouble | | 3 | Missing voice module |
| | 4 | Bell current limit | | 4 | Fail to Com. 3 | | 4 | Module Fail to Com. | | 6 | General failure |
| | 5 | Bell absent | | 5 | Fail to Com. 4 | | 5 | Printer trouble | | 7 | Combus overload |
| | 6 | ROM check error | | 6 | Fail to Com. PC | | 6 | Module AC failure | | | |
| | 7 | RAM check error | | | 7 | | Module battery failure | | | | |
| | 8 | Panel Tamper | | | 8 | | Module supply output | | | | |
| | | | | 9 | Module IP Receiver Supervision trouble | | | | | | |
| | | | | 10 | Module IP Receiver Fail to com. | | | | | | |
| | | | | 11 | Module IP Receiver unregistered | | | | | | |
| | | | | 12 | Direct light | | | | | | |
| | | | | 13 | Module RF Interference | | | | | | |
| | | | | 14 | Low bus voltage on module | | | | | | |
| | | | | 15 | Module Self-test failure | | | | | | |
| | | | | 16 | Module LAN failure | | | | | | |
| | | | | 17 | Module WAN failure | | | | | | |
| 5: Zone Tamper | | Press 5 to display the tampered zone or zones | 6: Zone Low Battery | | Press 6 to display the zone(s) assigned to wireless devices with low batteries | 7: Zone Fault | | Press 7 to display the zone(s) experiencing a communication, a fire loop, or CleanMe™ trouble. | 8: Clock Loss | | Press 8 to re-program the time |

Table 66: Trouble groups for the EVOHD system

| Group | # | Description | Group | # | Description | Group | # | Description |
|-----------------|---|--|-----------------|---|--|----------------------------|---|--|
| 9: GSM Troubles | 1 | Missing GSM module | 10: IP Troubles | 1 | Missing IP module | 11: Zone anti-mask Trouble | 1 | Press [STAY] to display zone(s) with zone anti-masking detected (anti-mask trouble). |
| | 2 | PCS Module Tamper | | 2 | No service | | | |
| | 3 | GSM RF jam supervision | | 3 | Fail to communicate with IP receiver 1 | | | |
| | 4 | No service | | 4 | Fail to communicate with IP receiver 2 | | | |
| | 5 | Fail to communicate with IP receiver 1 | | 5 | Fail to communicate with IP receiver 3 | | | |
| | 6 | Fail to communicate with IP receiver 2 | | 6 | Fail to communicate with IP receiver 4 | | | |
| | 7 | Fail to communicate with IP receiver 3 | | 7 | IP receiver unregistered | | | |
| | 8 | Fail to communicate with IP receiver 4 | | | | | | |
| | 9 | IP receiver unregistered | | | | | | |

Appendix A

EN 50131 Programming

The following sections describe all the programming required for your panel to be EN 50131 compliant. To set your panel to be EN 50131 compliant:

1. Enter section [4049] to unlock the software.
2. Enter section [4039] to set all relevant sections to EN 50131-compliant default settings.

NOTE: 1. If a permanent record of events is desired, ‘automatic Event Buffer Transmission’ needs to be configured; see section [3037] for more details.
2. Confidential mode needs to be activated when using the TM50.

PCS Module Programming (EN 50131 Compliancy)

Table 67: PCS module programming section [2950] (EN 50131 Compliancy)

| Section | Option | Description | OFF | | ON | |
|--|--------|---------------------------------|--------|----------------|--------|----------------|
| | | | Symbol | Setting | Symbol | Setting |
| Section [2950] PCS Module Programming | 1 | GSM reporting | ▲ | See PCS manual | □ | See PCS manual |
| | 2 | GSM reporting | ▲ | See PCS manual | □ | See PCS manual |
| | 3 | Future use | - | - | - | - |
| | 4 | Future use | - | - | - | - |
| | 5 | GSM/GPRS no service supervision | - | See table 68 | - | See table 68 |
| | 6 | | - | | - | |
| | 7 | GSM/GPRS module tamper | □ | Disabled | □ | Enabled |
| | 8 | GSM/GPRS RF jamming supervision | □ | Disabled | □ | Enabled |

Table 68: GSM/GPRS no service supervision (option 5 and 6 for section [2950] above) EN 50131 Compliancy

| Option | | Description |
|-----------|------------|---|
| 5 | 6 | |
| OFF | OFF | Disabled |
| ON | OFF | When disarmed: trouble only; when armed: audible only |
| OFF | ON | When disarmed: trouble only; when armed: audible only |
| ON | ON | Silent alarm becomes audible alarm |

Control Panel Settings

The following are the sections relevant to EN 50131 compliancy.

Table 69: Control Panel Settings (EN 50131 Compliancy)

| Section | Data | Description | Default Setting |
|---------|----------|--------------------------|-----------------|
| [3021] | __/_/___ | Trouble shutdown (00-15) | 010 |

Table 70: Panic Shutdown (EN 50131 Compliancy)

| Section | Data | Description | Default Setting |
|---------|----------|------------------------|-----------------|
| [3023] | __/_/___ | Panic shutdown (0-255) | 010 |

System Options (EN 50131 Compliancy)

Use the following section to program systems options on your EVOHD system. The following provides information on sections [3029] through [3035].

Table 71: Description of section [3028]

| Section | Option | Description | OFF | | ON | |
|--|--------|--|--------|----------|--------|----------------------------|
| | | | Symbol | Setting | Symbol | Setting |
| Section [3028] PCS Module Programming | 1 | Panel Tamper | □ | Disabled | ▲ | Enabled |
| | 2 | Modem speed | □ | 300 bps | ▲ | Auto-detect (300/1200 bps) |
| | 3 | Future use | ▲ | Disabled | □ | Enabled |
| | 4 | Future use | ▲ | Disabled | □ | Enabled |
| | 5 | Future use | ▲ | Disabled | □ | Enabled |
| | 6 | Future use | ▲ | Disabled | □ | Enabled |
| | 7 | Future use | ▲ | Disabled | □ | Enabled |
| | 8 | Restrict arming on fail to communicate | □ | Disabled | ▲ | Enabled |

Table 72: Description of section [3029]

| Section | Option | Description | OFF | | ON | |
|--|--------|--|-----|--------------|----|--------------|
| | | | | | | |
| Section [3029] PCS Module Programming | 1 | Enable if using an RTX3 without an K641 / K641R / K641LX | ▲ | Disabled | □ | Enabled |
| | 2 | Future use | ▲ | Disabled | □ | Enabled |
| | 3 | Future use | ▲ | Disabled | □ | Enabled |
| | 4 | EN 50131 compliant mode | □ | Disabled | ▲ | Enabled |
| | 5 | Anti-mask supervision | □ | See table 73 | ▲ | See table 73 |
| | 6 | | ▲ | | □ | |
| | 7 | Generate anti-mask trouble if detected on bypass zone | ▲ | Yes | □ | No |
| | 8 | Restrict arming on Anti-mask trouble | ▲ | Disabled | □ | Enabled |

Table 73: Anti-mask supervision (option 5 and 6 for section [3029] (EN 50131 Compliancy)

| Option | | Description |
|-----------|------------|--|
| 5 | 6 | |
| OFF | OFF | Disabled |
| OFF | ON | Generates trouble only (when armed or disarmed) |
| ON | OFF | When armed: alarm (default) When disarmed: generates trouble only |
| ON | ON | When armed: alarm When disarmed: generates audible alarm |

Table 74: Description of section [3033] (EN 50131 Compliancy)

| Section | Option | Description | OFF | | ON | |
|------------------------------------|--------|---|-----|----------|----|----------|
| | | | | | | |
| Section [3033] System Options 3 | 1 | Multiple actions in user menu | ▲ | Disabled | □ | Enabled |
| | 2 | User code length | ▲ | Fixed | □ | Flexible |
| | 3 | User code length (if option 2 is OFF)* | ▲ | 4-digits | □ | 6-digits |
| | 4 | Power save mode | □ | Disabled | ▲ | Enabled |
| | 5 | Bypass not displayed if system is armed | □ | Disabled | ▲ | Enabled |
| | 6 | Trouble latch | □ | Disabled | ▲ | Enabled |
| | 7 | EOL resistor on hardwire zones | □ | Disabled | ▲ | Enabled |
| | 8 | Zone doubling (ATZ) | ▲ | Disabled | □ | Enabled |

* ALL numbers from 000000 to 999999 are valid giving a total of 1,000,000 different possible combinations.

Table 75: Description of section [3034] (EN 50131 Compliancy)

| Section | Option | Description | OFF | | ON | |
|------------------------------------|--------|--|-----|--------------|----|--------------|
| | | | | | | |
| Section [3034] System Options 4 | 1 | Wireless transmitter supervision | - | See table 76 | - | See table 76 |
| | 2 | | - | | - | |
| | 3 | Generate supervision failure if detected on a bypass wireless zone | ▲ | Yes | □ | No |
| | 4 | Restrict arming on a wireless transmitter supervision failure | ▲ | Disabled | □ | Enabled |
| | 5 | Zone and module tamper recognition options | - | See table 77 | - | See table 77 |
| | 6 | | - | | - | |
| | 7 | Generate tamper if detected on bypass zone | □ | Yes | ▲ | No |
| | 8 | Restrict arming on tamper trouble | □ | Disabled | ▲ | Enabled |

Table 76: Wireless transmitter supervision (options 1 and 2 for section [3034] (EN 50131 Compliancy)

| Option | | Description |
|------------|------------|--|
| 1 | 2 | |
| OFF | OFF | Disabled (default) |
| OFF | ON | Generates trouble only (when armed or disarmed) |
| ON | OFF | When armed: alarm (default) When disarmed: generates trouble only |
| ON | ON | When armed: alarm When disarmed: generates audible alarm |

Table 77: Zone and module tamper recognition (option 5 and 6 for section [3034] (EN 50131 Compliance))

| Option | | Description |
|-----------|------------|--|
| 5 | 6 | |
| OFF | OFF | Disabled |
| OFF | ON | Generates trouble only (when armed or disarmed) |
| ON | OFF | When armed: alarm (default) When disarmed: generates trouble only |
| ON | ON | When armed: alarm When disarmed: generates audible alarm |

Table 78: Description of section [3035] (EN 50131 Compliance)

| Section | Option | Description | OFF | | ON | |
|------------------------------------|--------|--|-----|-------------|----|----------|
| Section [3035] System Options 5 | 1 | Restrict arming on AC failure | ▲ | Disabled | □ | Enabled |
| | 2 | Restrict arming on battery failure | ▲ | Disabled | □ | Enabled |
| | 3 | Restrict arming on bell or auxiliary failure | □ | Disabled | ▲ | Enabled |
| | 4 | Restrict arming on TLM failure | □ | Disabled | ▲ | Enabled |
| | 5 | Restrict arming on module troubles | □ | Disabled | ▲ | Enabled |
| | 6 | Account number transmission | ▲ | Partition # | □ | Tel. No. |
| | 7 | Transmit zone status on serial port* | ▲ | Disabled | □ | No |
| | 8 | Future use | ▲ | Disabled | □ | Enabled |

*This option is used by certain event monitoring software, such as Hyperterminal. With WinLoad/BabyWare and printers, it is always being transmitted.

Table 79: Description of section [3037] (EN 50131 Compliance)

| Section | Option | Description | OFF | | ON | |
|------------------------------------|--------|--|-----|--------------|----|--------------|
| Section [3037] System Options 4 | 1 | Call back | ▲ | Disabled | □ | Enabled |
| | 2 | Automatic event buffer transmission | ▲ | Disabled | □ | Enabled |
| | 3 | Autotest report transmission options | - | See table 80 | - | See table 80 |
| | 4 | | - | | - | |
| | 5 | Keypad beep on successful arming/disarming report | ▲ | Disabled | □ | Enabled |
| | 6 | Alternate dialing | ▲ | Disabled | □ | Enabled |
| | 7 | Dial tone delay (if no dial tone) | ▲ | Disabled | □ | Enabled |
| | 8 | Report zone restore ON = Upon zone closure OFF = Upon bell cut-off | □ | Disabled | ▲ | Enabled |

Table 80: Test report transmission (option 3 and 4) for section [3037] (EN 50131 Compliance)

| Option | | Description |
|------------|------------|---|
| 3 | 4 | |
| OFF | OFF | Transmit the test report code every time the days programmed in section [3040] have elapsed, at the time programmed in section [3041]; (default) |
| OFF | ON | When armed: transmit test report code every time the time programmed in section [3042] has elapsed When disarmed: transmit test report code every time the time programmed in section [3043] has elapsed |
| ON | OFF | The control panel will transmit the test report code every hour, on the minute value programmed in section [3041] (the last two digits); the first two digits of section [3041] will be ignored; for example, if 10:25 was programmed in section [3041], the test report code would be transmitted at the 25th minute of every hour; i.e., 11:25, 12:25, etc. |
| ON | ON | The test report code will be transmitted when one or more of the conditions of the second and third options, listed above, are met; i.e., option 3 = OFF and option 4 = ON, or option 3 = ON and option 4 = OFF |

Partition Timers

Table 81: Partition Timer Settings (EN 50131 Compliancy)

| Description (Decimal Values from 000 to 255) | Partition 1 | | Partition 2 | | Partition 3 | | Partition 4 | |
|--|-------------|----------|-------------|----------|-------------|----------|-------------|----------|
| | Section | Data | Section | Data | Section | Data | Section | Data |
| Number of invalid codes before lockout (Default: 010) | [3105] | __/_/___ | [3205] | __/_/___ | [3305] | __/_/___ | [3405] | __/_/___ |
| Keypad lockout duration (Default: 02) | [3106] | __/_/___ | [3206] | __/_/___ | [3306] | __/_/___ | [3406] | __/_/___ |
| Auto-zone shutdown (Default: 010) | [3114] | __/_/___ | [3214] | __/_/___ | [3314] | __/_/___ | [3414] | __/_/___ |

| Description (Decimal Values from 000 to 255) | Partition 5 | | Partition 6 | | Partition 7 | | Partition 8 | |
|--|-------------|----------|-------------|----------|-------------|----------|-------------|----------|
| | Section | Data | Section | Data | Section | Data | Section | Data |
| Number of invalid codes before lockout (Default: 010) | [3505] | __/_/___ | [3605] | __/_/___ | [3705] | __/_/___ | [3805] | __/_/___ |
| Keypad lockout duration (Default: 02) | [3506] | __/_/___ | [3606] | __/_/___ | [3706] | __/_/___ | [3806] | __/_/___ |
| Auto-zone shutdown (Default: 010) | [3514] | __/_/___ | [3614] | __/_/___ | [3714] | __/_/___ | [3814] | __/_/___ |

Appendix B

EOL and ATZ Options per Zone Input and Tamper Options per Zone

EOL/ATZ Options per Zone Input

EVOHD v1.0 supports the use of EOL and ATZ per zone input. Previously, all inputs followed global EOL/ATZ settings at panel section **[3033]**, options 7 and 8. To set EOL and ATZ options per individual input, a new module and panel section (**[401]** and **[0401]**, respectively) has been added.

To access module section **[401]**:

1. Enter panel section **[4003]**.
2. Enter the module's serial number.
3. Enter module section **[401]** (see table 82). Each of the 8 digits represent one of the 8 inputs.

Table 82: Zone Input Options

| Section | Input 1 / Input 2 | Input 3 / Input 4 | Input 5 / Input 6 | Input 7 / Input 8 |
|--------------------------------------|-------------------|-------------------|-------------------|-------------------|
| [0401] Zone Input Options | /- (0/0) | /- (0/0) | /- (0/0) | /- (0/0) |

By default, all options are configured as "0". This means that all zone inputs will follow the global setting at panel section **[3033]**, options 7 and 8. However, if you change the value from 1 to 4, the inputs will follow the desired settings (see table 83):

Table 83: Zone Input Option Individual Settings

| Option | Description |
|--------|--|
| 0 | System default; zone will follow global panel settings for EOL and ATZ set in section [3033] , options 7 and 8. |
| 1 | No EOL, no ATZ |
| 2 | EOL enabled, no ATZ |
| 3 | No EOL, ATZ enabled |
| 4 | EOL enabled, ATZ enabled |

The example of **(12) (03) (00) (00)** configured in section **[401]** means that:

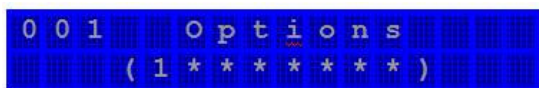
- The first digit shows that input 1 uses no EOL and no ATZ.
- The second digit shows that input 2 has EOL enabled, but no ATZ.
- The third digit shows that input 3 follows the global setting in panel section **[3033]**.
- The fourth digit shows that input 4 has EOL and ATZ enabled (input 12 becomes the second input for a second zone).

NOTE: 1. When a zone is programmed as a "Fire" or "Delay Fire", the setting from **[401]** is not used and the input needs to be wired like a fire zone (1K resistor in parallel). **2.** When a zone is programmed as a "Keyswitch", the input needs to be wired like a Keypress (1K resistor in parallel).

Tamper Options per Zone

EVOHD v1.0 supports tamper options for a particular zone. In the new panel section **[0400]**, a new section allows for the disabling of the global Tamper setting. A display of eight options is shown, and only the first option is used (see figure 7):

Figure 7: Zone (New Option Screen)



To disable the Tamper option on a particular zone:

1. Enter section **[0400]** (the global Tamper option must be enabled in section **[3033]**, options 5 and 6).
2. Select the zone you wish to modify.
3. After the zone option screen, a new option screen appears (see figure 7).
4. The "1" in the first option signifies that the zone follows the global Tamper setting (default). Press "1" to remove this option and to disable the tamper option on the particular zone. This zone will now not send any tamper troubles or alarms.

Selectable Input Resistor for EOL and Contact

Selectable Input Resistor

EVOHD v1.0 provides the ability to select different resistor values for the EOL and the resistor in parallel of the zone contact. To set selectable input resistor for EOL, a new module (ZX8 v6.0 or higher) and panel section (**[402]** and **[0402]**, respectively) has been added.

To access module section **[402]**:

1. Enter panel section **[4003]**.
2. Enter the module's serial number.
3. Enter module section **[402]** (see table 84). Each of the 8 digits represent one of the 8 inputs.

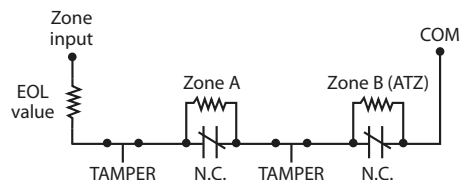
Table 84: Zone Input Options

| Section | Input 1 / Input 2 | Input 3 / Input 4 | Input 5 / Input 6 | Input 7 / Input 8 |
|--------------------------------------|-------------------|-------------------|-------------------|-------------------|
| [0402] Zone Input Options | — / — (0/0) | — / — (0/0) | — / — (0/0) | — / — (0/0) |

Table 85: Zone Input Option Individual Settings

| Option | EOL Value | Zone A Value | Zone B Value (ATZ) |
|--------|-----------|--------------|--------------------|
| 0 | 1K | 1K | 2K2 |
| 1 | 2K2 | 1K5 | N/A |
| 2 | 3K3 | 3K3 | N/A |
| 3 | 4K7 | 4K7 | N/A |
| 4 | 4K7 | 6K8 | N/A |
| 5 | 2K2 | 4K7 | N/A |
| 6 | 8K2 | 8K2 | N/A |

Figure 8: Selectable input Resistor for EOL



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EVOHD-EP00

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