videofied
Made by RSI VIDEO TECHNOLOGIES

XL200L / XL600L / XL700L GPRS Control Panel

INSTALLATION MANUAL

Doc. - Ref. 230-XLL
Last modification date : June 2014
Firmware version : XLP.04.04.05.XXX and later

www.videofied.com

Description

The XLL control panel is a Videofied wireless alarm system operated by battery or mains power supply. This panel is intended mainly for residential and commercial markets. With the Motion Viewers™ and Videofied® range of products, the XLL panel provides video verification in case of intrusion.

The XLL panel is a standalone alarm system with an integrated GPRS / GSM communicator for connection to a central station.

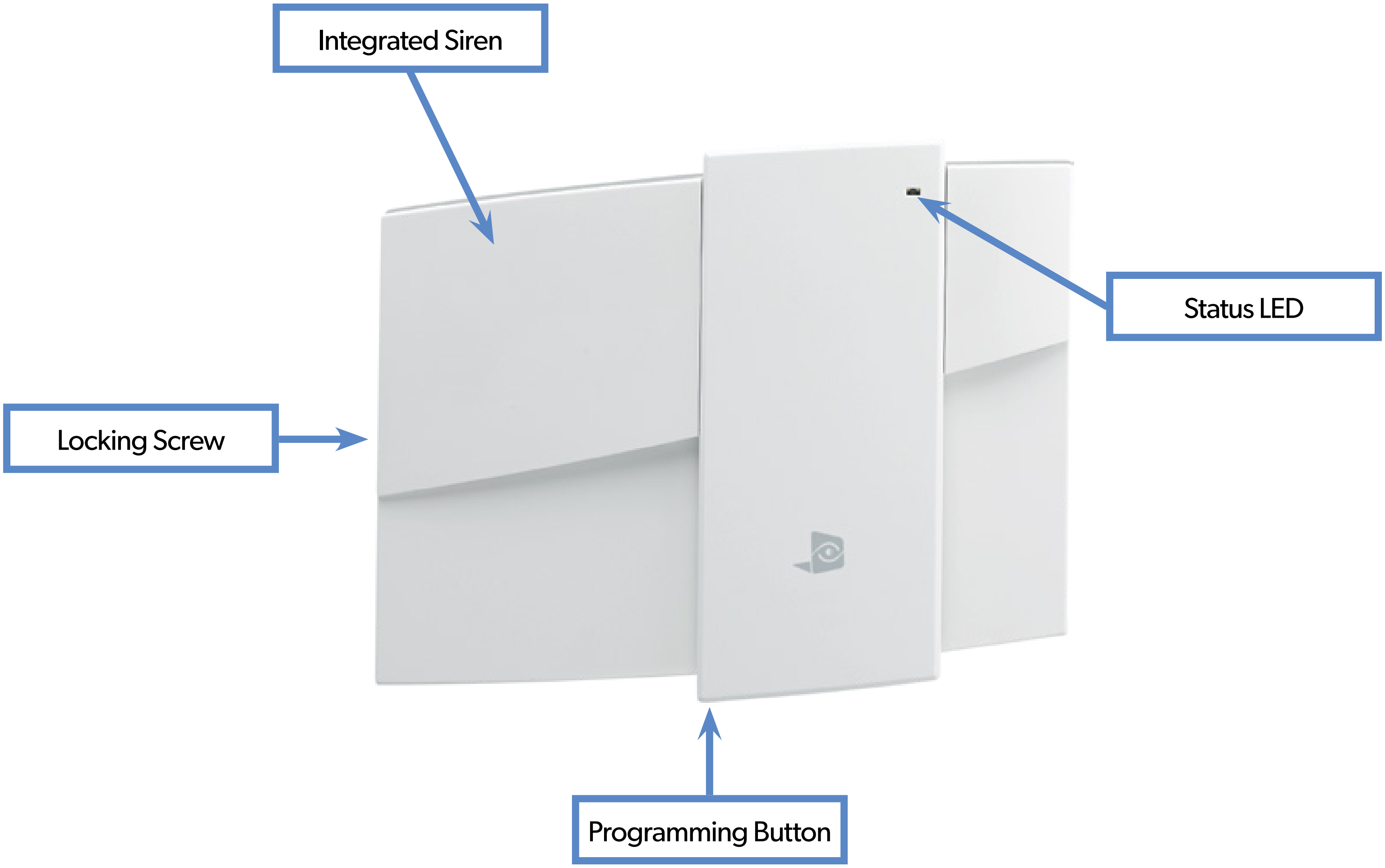
Wireless Technology

The XLL GPRS, along with all Videofied devices, uses the patented S2View®, Interactive, AES Encrypted Wireless technology, providing optimum signal integrity and security.

The bi-directional RF communication path between all devices and the system control panel guarantees high signal reliability. Integrated antennas eliminate protruding wires or rods, both more difficult to install and unsightly to consumers, and potentially troublesome if damaged.

The panel supervises every device (excluding the remote key fob) to validate current open/close state, tamper condition, serial number, date of manufacture, firmware revision, and battery status.

The RSI VIDEO TECHNOLOGIES team wishes you a good installation.



1.1 XLL Panel Setup

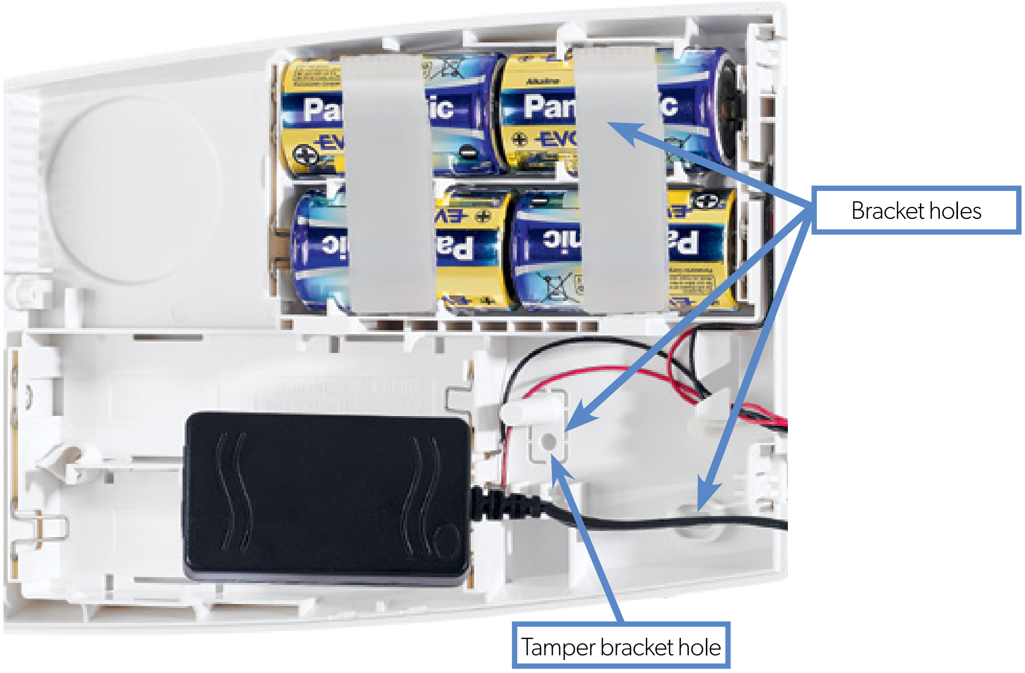
Open the box and remove the cardboard mounting template sitting on top. Place the template on wall with the arrow pointing upward.

Mark the 5 screw points on the wall and drill pilot holes for wall anchors. Install wall anchors, then attach base of control panel to wall.

XLL panel is provided with a reinforcement brace kit including 4 velco straps. Insert the 4 straps in the back casing, then mount the casing on the wall. *(The EN50131 standard requires the installation of this brace kit).*

A screw must be used in the tamper protection hole for the panel wall tamper to function correctly.

Insert the Alkaline D type batteries as shown; ensuring the polarity matches the labeling on the inside of the battery cover.

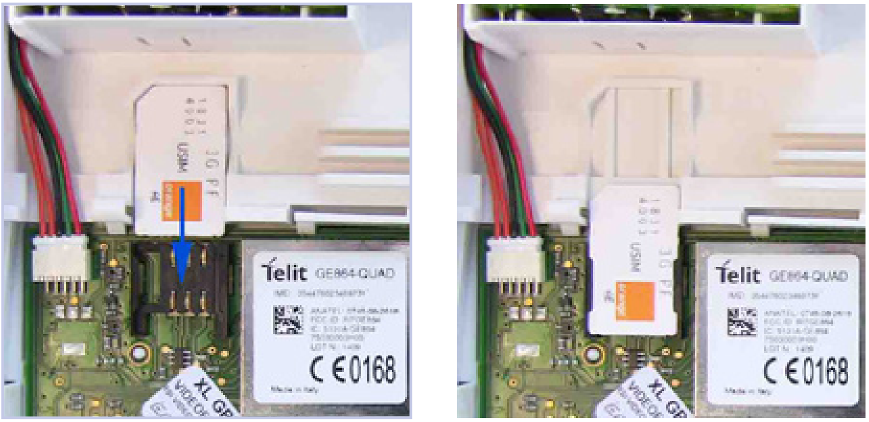


Mandatory to trigger tamper alarm.

1.2 SIM Card Installation

Before removing the front cover from its box, Put the SIM card on the plastic base (Take care to respect the right direction).

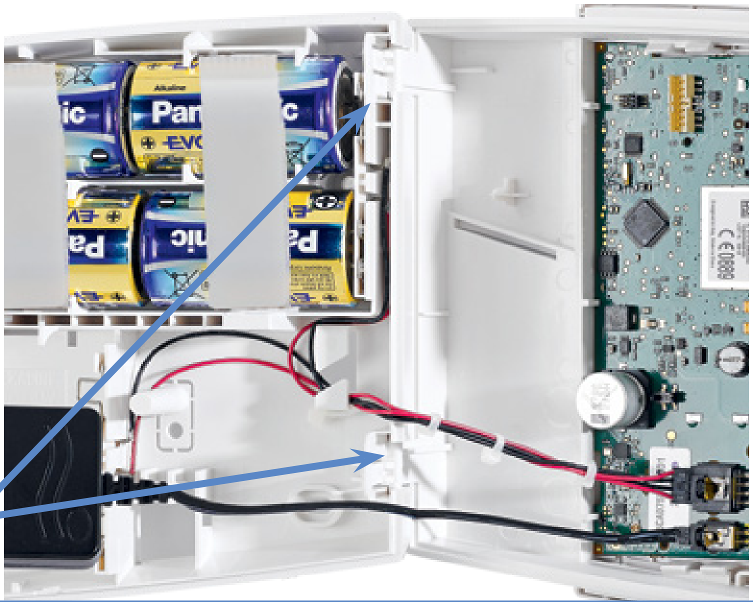
DO NOT insert or remove the SIM card while the panel is powered.



1.3 XLL Assembly

Connect the panel's face to its base by carefully placing the hinges on it.

2 locking clips are provided to strengthen the hinges: position each locking clip before locking them completely *(The EN50131 standard requires the installation of these locking clips).*

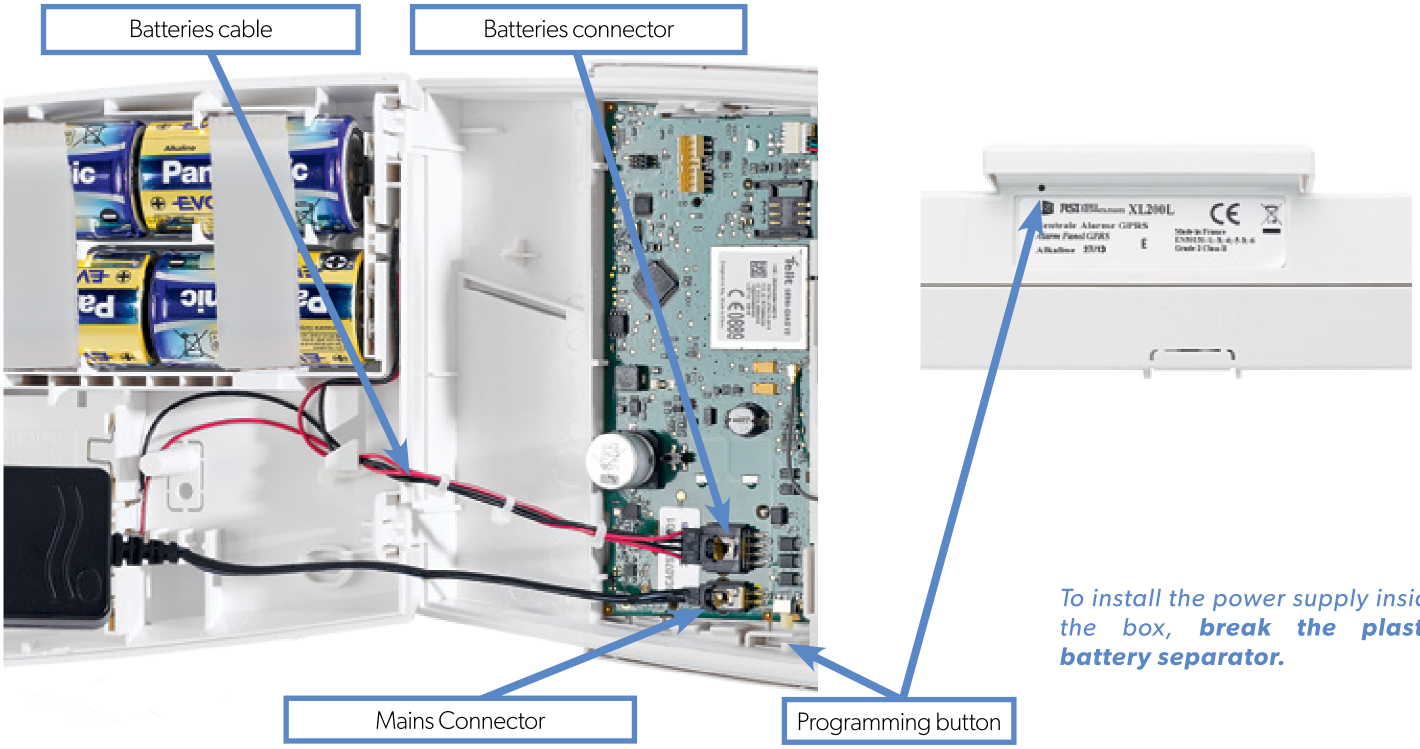


1.4 Powering and Initialization

- The panel is powered either with a mains power supply with 4 backup LR20 Alkaline batteries (Option 1 recommended) or with 8 LR20 Alkaline batteries (Option 2).
- Press and hold the PROGRAMMING BUTTON for 10 seconds, until the indicator LED blinks twice.
- The panel is now reset, a CMA, XMA or XMB has to be enrolled to configure the panel.

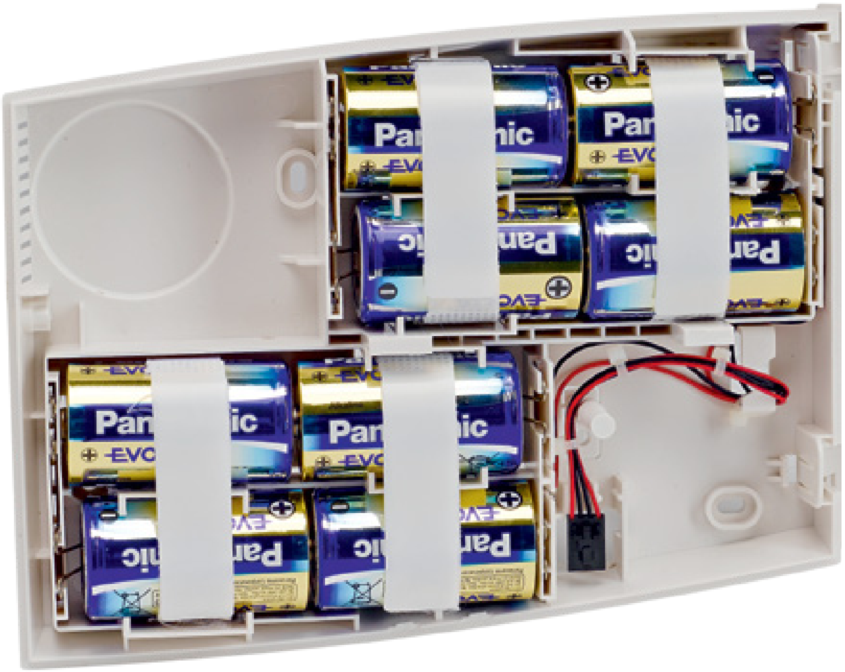
*THE CONTROL PANEL **MUST BE CONNECTED** TO AN EXTERNAL POWER SUPPLY (OPTION 1) WHEN USING THE **RINGTONE** FEATURE OR **SMARTPHONE APP**.*

Option 1

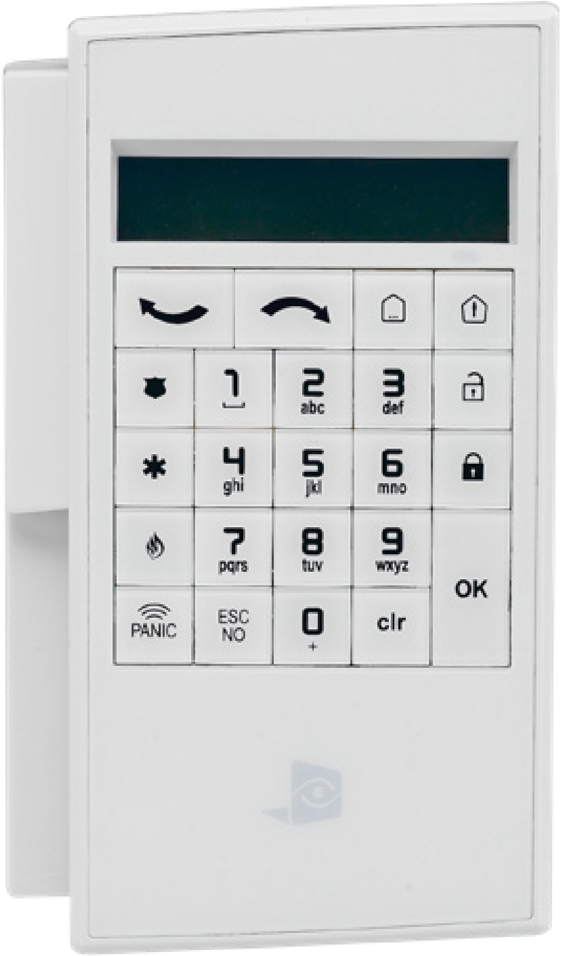


*To install the power supply inside the box, **break the plastic battery separator.***

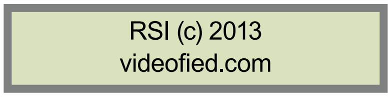
Option 2



1.5 Pairing the Remote Keypad



- Press the XLL programming button and release for the enrollment of a programming keypad.
- Insert all **LS14500 Lithium batteries** into the keypad.
- **Do not mount the keypad.** It will display one of the following screens: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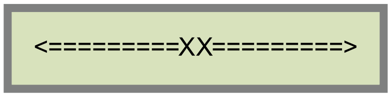
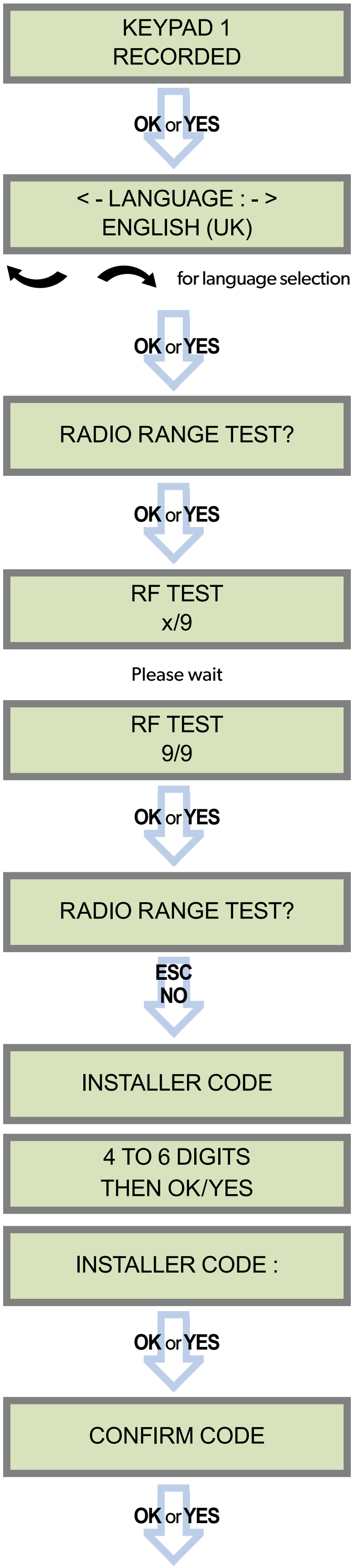
or


<=========XX=========>

- **Press on both CLR and ESC NO keys at the same time** and release. The indicator LED on the keypad will blink rapidly. Wait for the keypad to pair.
- **If the keypad doesn't pair up with the panel** and shows «XX», it certainly means that it is still paired to another system and needs to be reset. Take the batteries out, and press repeatedly on the keypad tamper switch. Then proceed to the above steps.

Keypad Display



KEYPAD 1
RECORDED

OK or YES

< - LANGUAGE : - >
ENGLISH (UK)

for language selection

OK or YES

RADIO RANGE TEST?

OK or YES

RF TEST
x/9

Please wait

RF TEST
9/9

OK or YES

RADIO RANGE TEST?

ESC
NO

INSTALLER CODE

4 TO 6 DIGITS
THEN OK/YES

INSTALLER CODE :

OK or YES

CONFIRM CODE

OK or YES

Actions and comments

The system can also be programmed in: french, italian, german, dutch, spanish, swedish, portuguese, danish, czech and polish.

The language can be changed at any time once the panel is programmed in the MAINTENANCE menu.

The Radio Range test must be run during the device learning process in order to ensure proper pairing with the control panel. This test measures the strength of communication between the device and the control panel. The keypad will display a real time radio range value on a scale of 9.

To receive the most accurate results you must run the radio range test for at least 30 seconds.

Result must be 8 out of 9 or better for reliable transmission.

Using the Alphanumeric Keypad, enter the Installer Code of your choice.

The Installer Code will be used for all future maintenance and configuration.

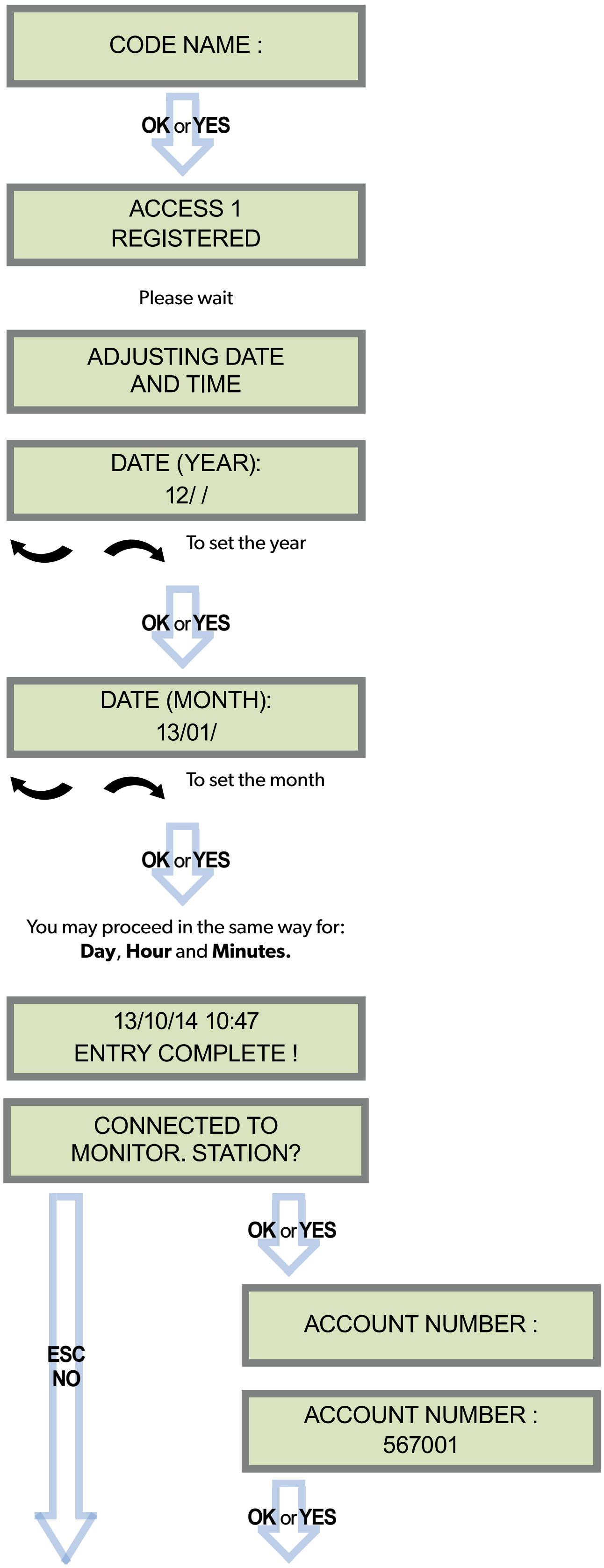
This code is important to keep track of.

There is no back door or Default codes to the system.

Please refer to the restriction rule for codes (Chapter 3.4). Some codes are already used by default and therefore cannot be used.

Keypad display

Actions and comments



CODE NAME :

OK or **YES**

ACCESS 1
REGISTERED

Please wait

ADJUSTING DATE
AND TIME

DATE (YEAR):
12/ /

To set the year

OK or **YES**

DATE (MONTH):
13/01/

To set the month

OK or **YES**

You may proceed in the same way for:
Day, **Hour** and **Minutes.**

13/10/14 10:47
ENTRY COMPLETE !

CONNECTED TO
MONITOR. STATION?

ESC
NO

OK or **YES**

ACCOUNT NUMBER :

ACCOUNT NUMBER :
567001

OK or **YES**

You may name the installer code using the Alphanumeric Keypad.

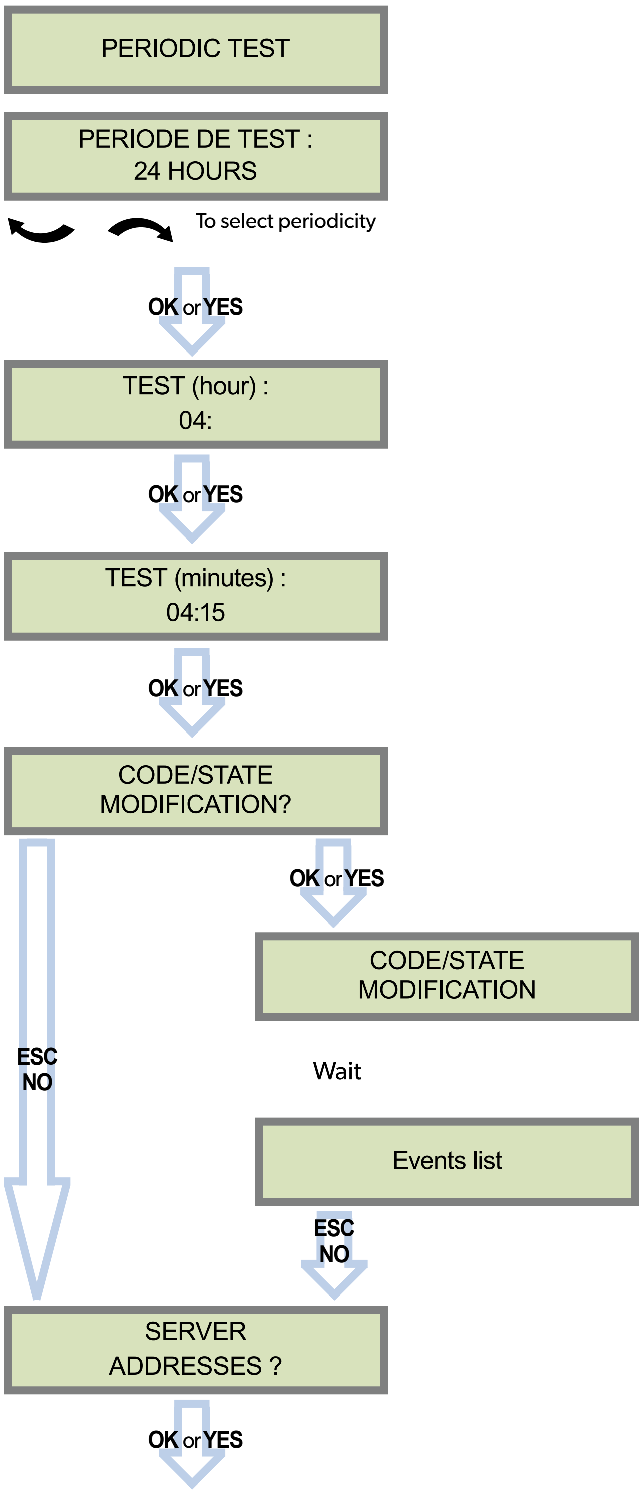
If using automatic setting (called installer default list), enter the name of the list.

Warning : If the wrong installers list name is used it cannot be set later, the system must be defaulted.

Leaving the name blank by pressing **ESC NO**, it will be named 'ACCESS 1' by default.

Use the Alphanumeric Keypad to enter in a 4-8 digit account number provided by the Central Station.

Keypad display



PERIODIC TEST

PERIODE DE TEST :
24 HOURS

To select periodicity

OK or YES

TEST (hour) :
04:

OK or YES

TEST (minutes) :
04:15

OK or YES

CODE/STATE
MODIFICATION?

OK or YES

CODE/STATE
MODIFICATION

Wait

Events list

ESC
NO

ESC
NO

SERVER
ADDRESSES ?

OK or YES

Actions and comments

Test Periodicity: 1 hour, 12 hours, 24 hours, 48 hours, 7 days or no tests.

We suggest a 24 hours periodic test call.

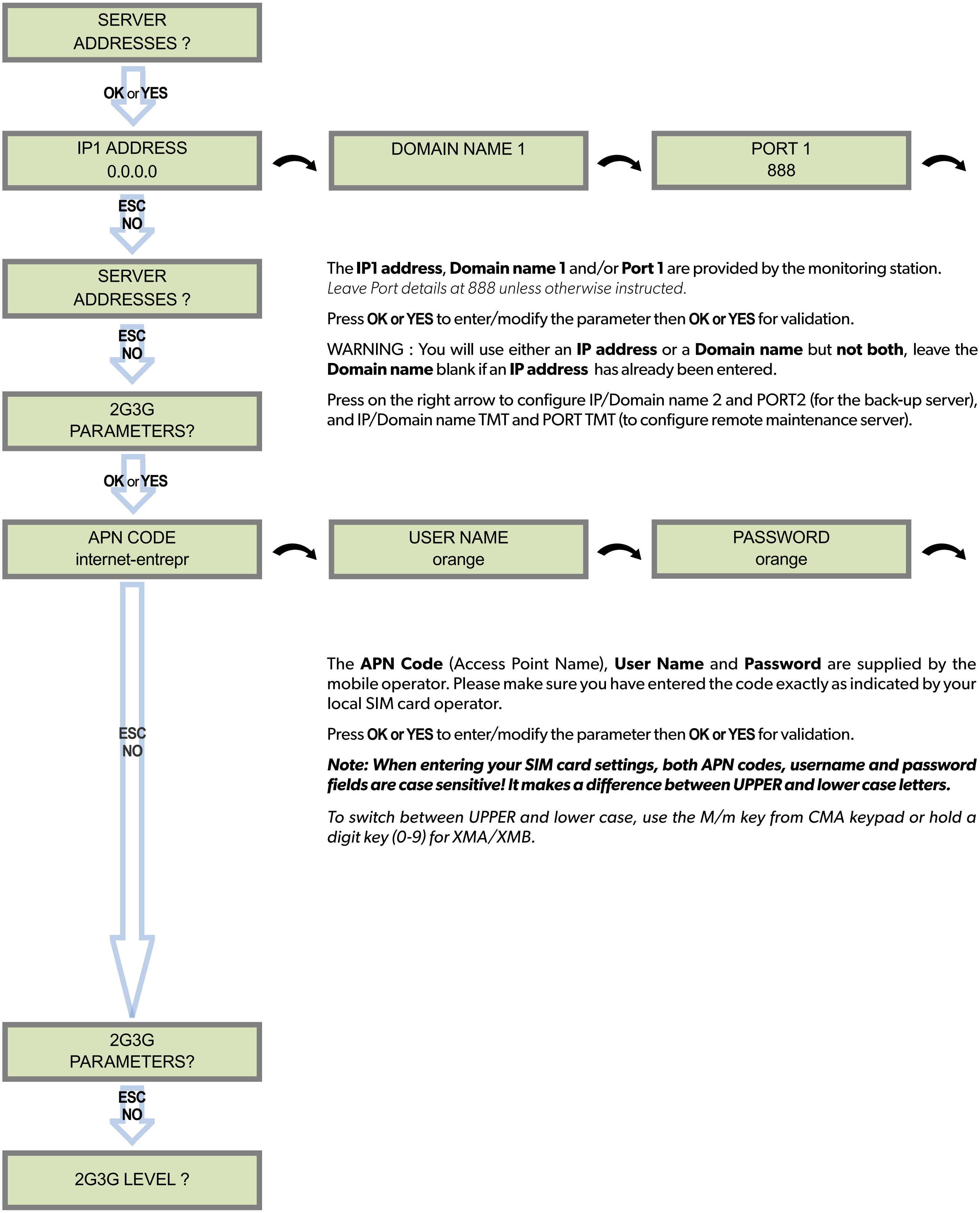
The CODE/STATE MODIF. menu is to configure the transmitted events to the monitoring station, use the arrow keys to toggle between events and **OK or YES** to modify.

ALARM: event transmitted upon occurrence.

ALARM/END: event is transmitted on occurrence and on event restoral.

NOT TRANSMITTED: event is not transmitted, however it will appear on the keypad.

Please liaise with your Monitoring Station to ensure that the requested events to transmit are correctly set.



The **IP1 address**, **Domain name 1** and/or **Port 1** are provided by the monitoring station. *Leave Port details at 888 unless otherwise instructed.*

Press **OK or YES** to enter/modify the parameter then **OK or YES** for validation.

WARNING : You will use either an **IP address** or a **Domain name** but **not both**, leave the **Domain name** blank if an **IP address** has already been entered.

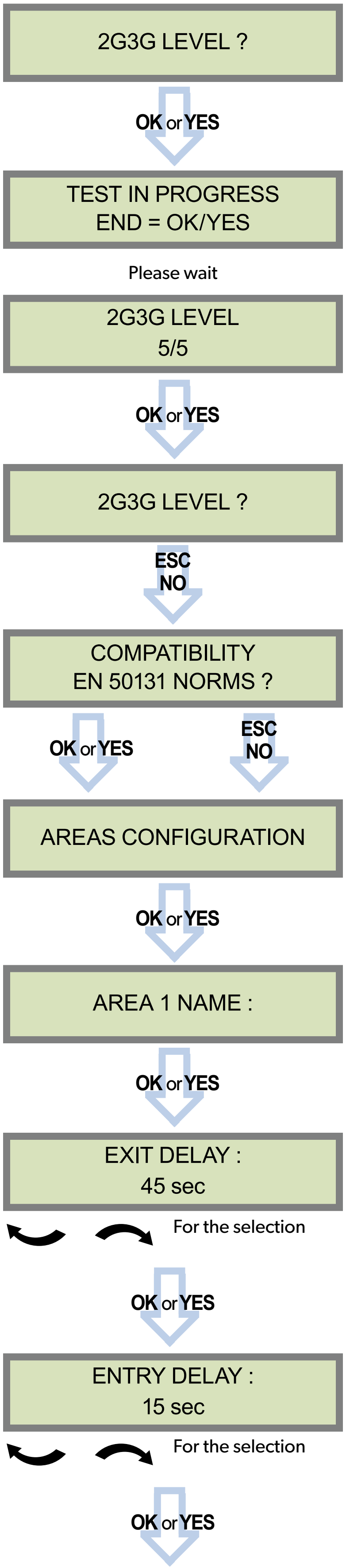
Press on the right arrow to configure IP/Domain name 2 and PORT2 (for the back-up server), and IP/Domain name TMT and PORT TMT (to configure remote maintenance server).

The **APN Code** (Access Point Name), **User Name** and **Password** are supplied by the mobile operator. Please make sure you have entered the code exactly as indicated by your local SIM card operator.

Press **OK or YES** to enter/modify the parameter then **OK or YES** for validation.

Note: When entering your SIM card settings, both APN codes, username and password fields are case sensitive! It makes a difference between UPPER and lower case letters.

To switch between UPPER and lower case, use the M/m key from CMA keypad or hold a digit key (0-9) for XMA/XMB.



Once the 2G3G test completed, the keypad will display one of the following results :

- A level between 0/5 and 5/5.
- A GPRS Error code (please see Chapter 5 : 2G3G errors codes and contact your technical support).

If the screens shuts down, press any key to light it up except **OK or YES**, **ESC NO** ou **CLR**.

The 2G3G level test can last several minutes. Do not interrupt the test or remove the SIM card during the test.

IMPORTANT : Videofied will require a 3/5 grade or better for reliable transmission of Video alarms.

For full compatibility with EN50131, press **OK or YES**.

Otherwise, press **ESC NO.**

Press **ESC NO** to default the area names.

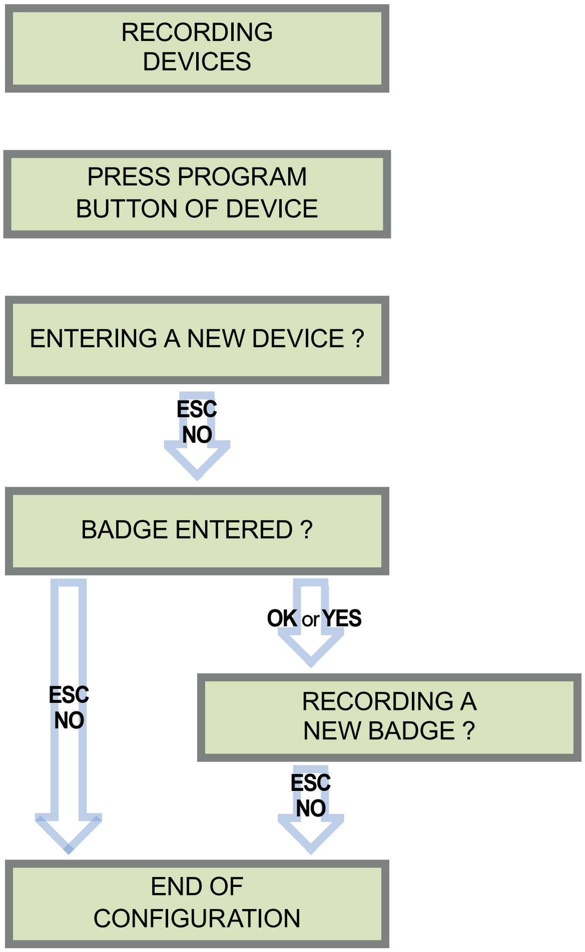
Enter the name of the area 1 and **OK or YES**.

Repeat the procedure for areas 2,3 and 4.

For further details, please refer to chapter 3.3.

Other values are available: 2 min, 1 min, 45 sec.

Other values are available: 2 minutes, 1 minutes, 45 seconds,30 seconds or 15 seconds.



Each device has a unique programming button or a specific manipulation. Please refer to the Installation Sheet for the device you would like to program.

Please check the radio level of each device on its final location. The result must be 8 out of 9 as a minimum (please refer to the Radio Range section, page 7 for further details).

Each system can embrace a maximum of 25 devices, **programming keypad included.**

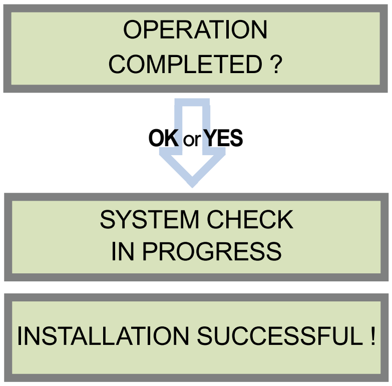
Press **OK or YES** to enter a new device or **ESC NO** to move to the next step.

After initial programming has been completed, the system cannot be armed or disarmed until a user code or badge is entered (the installer code cannot arm or disarm the system).

Press **OK or YES** to register one or more badges. **ESC NO** if you're not using any badges.

If you wish to use an user code, please skip this step and once the system configuration done go to the BADGES/ACCESS CODES menu (please refer to chapter 3.4 for further details).

Badges and codes are limited to 19 for user (level 2 or 3) + 1 installer code.



Before completing programming make sure that no device is tampered. Each device must be closed and its LED indicator shall be turned off.

After initial programming has been completed, make use of the menu overview document (available on our technical support website), to see full programming options.

3.1 Get to Access level 4

Tue 29/10 11:23
DISARMED LVL:1

ACCESS LEVEL
1

OK or YES

ACCESS LEVEL
LEVEL : 1

ACCESS LEVEL
LEVEL : 4

OK or YES

BADGE OR CODE

OK or YES

To unlock and get access to the installer level 4, you need to successively enter TWO codes (in any order) :

- INSTALLER CODE (entered during intial programming)
- USER CODE (Level3): the user must authorize the installer to get access to the configuration of his panel.

3.2 How to Arm/Disarm the System

When in standby mode, the system can be armed with the remote keypad, the remote keyfob and/or the remote badge reader.

	Full arming with user code	Full arming with badge	Special Arming 1	Special Arming 2
With remote keypad	Enter your user code and press **OK or YES**	Present your badge on the keypad (XMB model only)	Press ⌂1 / ⏻ enter your user code and press **OK or YES**	Press ⌂2 / ⌂ press **OK or YES** and enter your user code
With remote badge reader BR250	N/A	Present your badge on the badge reader	N/A	N/A
With remote keyfob	N/A	N/A	Press ⌂1	Press ⌂2

3.3 Arming and Siren Mode Configuration

- Use ↶ ↷ to go to menu :

CONFIGURATION (LEVEL 4) > **SPECIAL ARMING MODES** > **FULL ARM, SP1 or SP2**

Use direction arrows to select the arming mode you want to modify and **OK / YES**.

- **There is 3 different arming modes :**

FULL ARM : Arming of all areas and all devices. Use a badge or a user code and press **OK** / 🔒 on the XMA/XMB keypad or the **YES** key on the CMA keypad.

SP1 : Partial Arming (1) is enabled by entering the user code and pressing ⏻ on the XMA/XMB keypad, the 1 key on the CMA keypad or 1 on the remote keyfob RC.

SP2 : Partial Arming (2) is enabled by pressing the ⌂ key on a XMA/XMB keypad, 2 on a CMA keypad, or 2 on the remote keyfob RC.

For each arming mode, it is possible to specify how each of the 4 areas will be armed and how the system will behave during an alarm.

Areas :	1	2	3	4
State :	A	A	A	A

Each time you press the corresponding number, the system will toggle the arming state for the respective area.

Press **OK / YES** after this configuration step. The system will then display what siren mode will be in effect for this special profile. Select the siren mode using the direction arrows then press **OK / YES** .

A	**Armed**
D	**Disarmed**
P	**Perimeter** (by default : all opening contacts*)
E	**External** (by default : all opening contacts with external access*)

Siren	Immediate triggering of all sirens
Delay Beeps	Entry/Exit delay beeps, then triggering of all sirens
Silent	No Sirens, No Beeps
Without Siren	Beeps on the keypad only

** You can set your devices as : External, Perimeter, ou External +Perimeter. Please go to the menu:*

CONFIGURATION (LVL 4) -> AREAS AND DEVICES -> DEVICES -> DEVICES CONFIGURATION -> DEVICE TYPE

3.4 Manage badges and access codes

Access Level

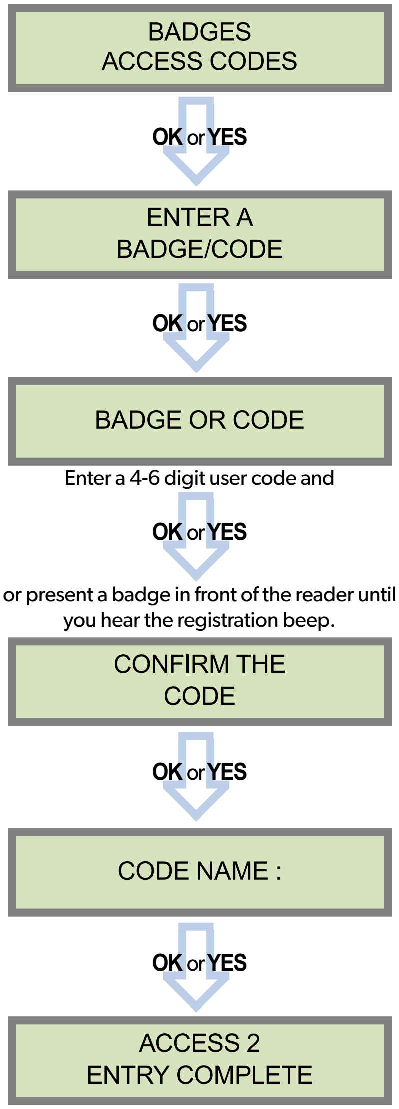
Access Level	Definition & Rights
LVL 1	Standby Level
LVL 2	**Restricted USER level,** where it is only possible to arm/disarm the system.
LVL 3	**USER level,** where it is possible to arm/disarm the system, check the event log, test the devices. Modifications of the settings are not possible at this level. User **Level 3** can create **Level 2** or **Level 3** access codes or badges.
LVL 4	**INSTALLER level,** where it is possible to modify the setup of the panel. To access **Level 4**, the approval of a **Level 3** oe **Level 2** user is required. Installer **Level 4** can create the first **Level 3** access code only.

Codes and badges get rights access to one of the 4 available levels of access.

How to return to the LVL1?

- After 1 min of no use of the keypad and no tests running, the display returns to the standby display and LVL1.
- When standby display, if the **ESC NO** key is held during 5s, the level is changed to LVL1.

Enter a new end user Badge/Code



BADGES ACCESS CODES

OK or YES

ENTER A BADGE/CODE

OK or YES

BADGE OR CODE

Enter a 4-6 digit user code and

OK or YES

or present a badge in front of the reader until you hear the registration beep.

CONFIRM THE CODE

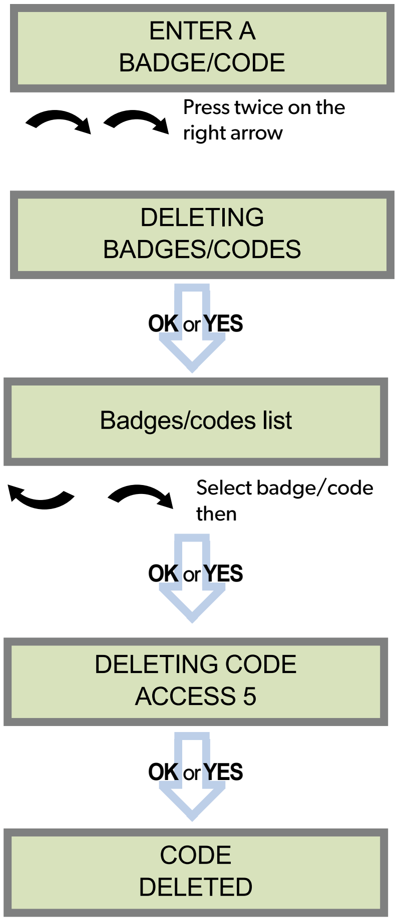
OK or YES

CODE NAME :

OK or YES

ACCESS 2 ENTRY COMPLETE

Delete an end user Badge/Code



ENTER A BADGE/CODE

Press twice on the right arrow

DELETING BADGES/CODES

OK or YES

Badges/codes list

Select badge/code then

OK or YES

DELETING CODE ACCESS 5

OK or YES

CODE DELETED

Reserved Codes

Up to 19 codes (or badges) can be registered into the panel with the engineer code.

A code has 4 to 6 digits (0 to 9).

The table presents the **reserved** code possibilities that cannot be used.

Those codes are used for maintenance or as panic/duress codes.

A total of 186 codes are forbidden.

Reserved Codes
000000
From 9998 to 9999
From 99998 to 99999
From 999898 to 999999
From 314157 to 314159
All user codes +1
All user codes +2
All user codes -1
All user codes -2

When a code is created (1000 for example), the 2 next codes and previous codes (0998, 0999, 1001 and 1002) will be automatically reserved.

The +1 code (1001) is used for disarming under duress.

The +2 code (1002) is used for panic.

The -1 and -2 codes (0998 et 0999) are reserved to prevent conflicts when creating a new user code.

3.5 Delete the keypad or any other device

ACCESS LEVEL 4 ↷ CONFIGURATION

OK or YES

GENERAL PARAMETERS ↷ ↷ AREAS AND DEVICES

OK or YES

DEVICES

OK or YES

ADD A NEW DEVICE

↷

DEVICE CONFIGURATION

OK or YES

Devices list

↶ ↷ to select the device and press

OK or YES

A1 : KEYPAD
KEYPAD 1

OK or YES

DELETE

OK or YES

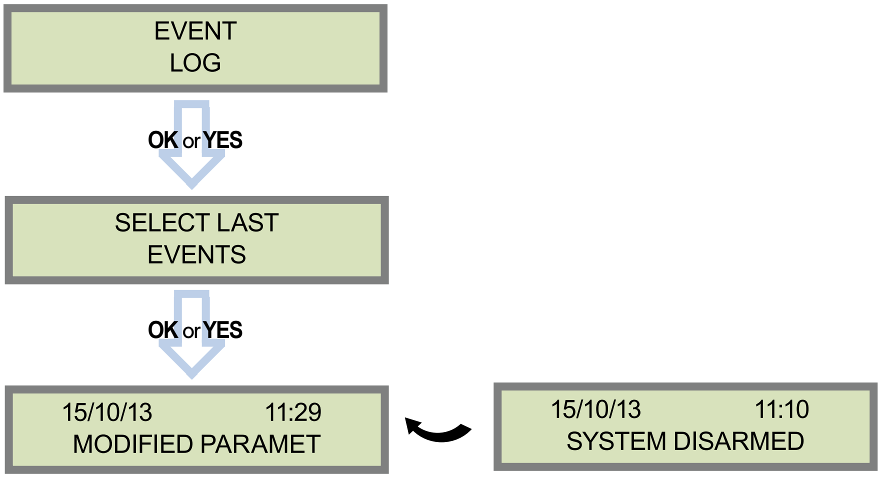
< = = = = XX = = = = >

You can now remove the batteries from the device

3.6 Read the event log

When user disarms the system, the keypad indicates the last event.

In case of the user needs to read the full log file, use the keypad to go in EVENT LOG, press **OK or YES** on SELECT LAST EVENTS and use arrow to list the events.



EVENT
LOG

OK or YES

SELECT LAST
EVENTS

OK or YES

15/10/13 11:29
MODIFIED PARAMET

15/10/13 11:10
SYSTEM DISARMED

Press **OK or YES** for more information about an event

3.7 Opening the cover of an installed panel

Unscrew the locking screw on the left-hand side of the panel, using a paper clip push through the opening hole to open the panel’s cover.

3.8 Golden Rules

1 Area 1 is always **delayed.** When you register a keypad or a badge reader into an area, that area will automatically be delayed.

2 **Never position** a panel next to **a high voltage electrical cabinet** .

3 Press CLR to erase a typing mistake.

4 Never register the same device twice (delete from the system first).

5 Registration of **up to 25 devices** (including the keypad).

6 Respect indoor infrared devices installation height (**2m10 to 2m30**).

7 Outdoor cameras have to be installed at **2m60 to 3 meters height**. Those devices need to to protect an access and not a zone.

8 Do not fix the keypad at the beginning of the installation as it will need to be portable during programming.

9 **Always clean** the lens of the cameras after the installation (Use a clean, dry cloth, taking care not to exert pressure on the lens).

10 To switch between UPPER and lower case, use the M/m key from the CMA keypad or hold a digit key (0 to 9) for XMA/XMB.

11 Internal components are fragile, be careful opening or closing the panel.

12 LCD screen goes dark after 30 seconds of inactivity, press an arrow or numeric key to light it up.

13 Use only batteries provided by Videofied (siren : Alkaline batteries).

14 Infrared detectors should never be installed in stairs or close to stairs (false alarm risks).

15 A colon display [:] means that the parameter can be changed.

The XLL panel can be configured to enable or disable the transmission of events like alarms or defaults.

The installer can modify the default sending settings for those events, although it will end the EN50131 standard compliance.

These are the default transmitted events :
DEVICE (intrusions)
ALERT (Panic Buttons)
PANEL LOW BATT.
TAMPER
DEVICE LOW BATT.
PERIODIC TEST
DURESS CODE
FIRE
MEDICAL ASSIST.
ETHERNET CABLE
AC POWER LOSS (AC Power supply)

The following events are not sent by default :
PANEL RESET
PHONELINE FAULT
RADIO JAMMING
SUPERVISION
5 WRONG CODES
ALARM CANCEL
ARM/DISARM (On/Off)
ZONE BYPASS (bypass function enabling/dsiabling)
SWINGER SHUTDOWN

There is 3 different transmission states :
ALARM : event transmitted upon occurrence
ALARM/END : event is transmitted on occurrence and on event restoral
NOT TRANSMITTED : event is not transmitted, however it will appear on the keypad.

Example :

If the monitoring station system is set to receive arms and disarms, the **ARM / DISARM** parameter must be changed from **NOT TRANSMITTED** to **ALARM / END**.

How to modify the transmission state

- **At initial programming, right after the PERIODIC TEST CALL step:**

CODE/STATE
MODIFICATION

Press **OK or YES** to access **EVENT TRANS. MODIFICATION** menu.

- **After initial programming, using a remote keypad :**

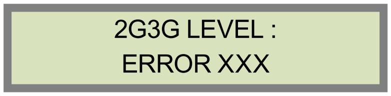
Use the arrows ↶ ↷ to access :

CONFIGURATION (level 4) > **CONFIGURATION MONITOR. STATION** > **MONITORING PARAMETERS** > **EVENT TRANS. MODIFICATION**

Then use the arrows ↶ ↷ to determine the event to modify. Press **OK or YES** to edit.

IMPORTANT: The PIN of the SIM card has to be deactivated or 0000.

The following is a list of error codes that can appear after the 2G3G test.



2G3G LEVEL :
ERROR XXX

In case of 2G3G (GPRS) errors during initial programming, we strongly suggest to continue with the installation and perform the 2G3G (GPRS) level test again once achieved.

Codes	Errors
03 ou 04	No network coverage or no SIM card inserted
003	SIM card not detected/not inserted
010	SIM not inserted
011	PIN code necessary -> *PIN code must be deactivated*
012	PUK code necessary, SIM card blocked
013	Default SIM card
014	SIM card busy
015	Error on SIM
030, 043, 057, 102, 132, ...	• No network coverage • Typographical error in the APN Code, username, password • SIM card not activated

This error checklist is provided for information purposes only.

This is not a comprehensive list, but it is representative of most cases. Some events or codes are subject to change by SIM card operators.

However, the GPRS level test errors results in the majority of cases have the following causes :

- **SIM Card activation Delay:**

Some operators require an additional delay up to 48 hours to activate automatic data transmission. Please check with your operator prior to installation.

- **APN CODE, USERNAME and PASSWORD :**

The GPRS (2G3G) settings are supplied by the operator. Please make sure you have entered the code exactly as indicated by your local SIM card operator.

Note: When entering your SIM card settings, both APN codes, username and password fields are case sensitive! (It makes a difference between UPPER and lower case letters) .

To switch between UPPER and lower case, use the M/m key from CMA keypad or hold a digit key (0-9) for XMA/XMB.

- **Insufficient GPRS Network:**

When the panel is unable to find any signal, proceed to GPRS level test in another location on site. You can also find the network state or condition of use by directly contacting your local operator.

Notes de sécurité / (EN) Security notes / (DE) Hinweise zur Sicherheit

Français

- *Retirez les piles avant toute opération de maintenance !*
- *Attention ! Il y a un risque d'explosion si l'une des piles utilisées est remplacée par une pile de type incorrect !*
- *Respectez la polarité lors de la mise en place des piles !*
- *Ne jetez pas les piles usagées ! Ramenez-les à votre installateur ou à un point de collecte spécialisé.*

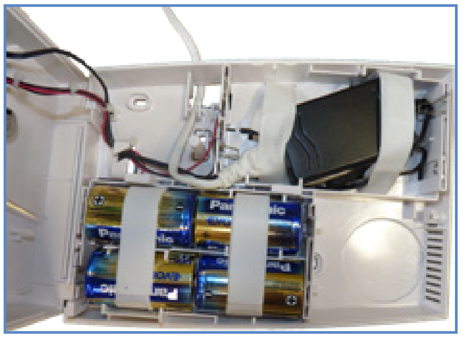
English

- *Remove battery before any maintenance !*
- *WARNING, there is a risk of explosion if a battery is replaced by an incorrect type!*
- *Observe polarity when setting up the batteries!*
- *Do not throw used batteries! Bring them to your installer or a collection point.*

Deutsch

- *Batterien vor jeglichen Wartungsarbeiten entfernen!*
- *Vorsicht, es besteht Explosionsgefahr, wenn eine Batterie durch eine Batterie falschen Typs ersetzt wird!*
- *Achten Sie beim Einsetzen der Batterien auf die Polung!*
- *Entsorgen Sie Batterien nicht im normalen Haushaltsmüll! Bringen Sie Ihre verbrauchten Batterien zu den öffentlichen Sammelstellen.*

Operating Frequency	868/915/920 MHz
Required Voltage	Nominal voltage = 6 V Low battery limit = 4.2 V
Powering	Type B : 1 external power supply with battery backup 4x 1.5 Alkaline D cells (Option 1) or Type C: 8 x 1,5 V D Alkaline batteries (Option 2)
Battery life	4 years
Current consumption	Standby (1h average) = 420 µA ; Max = 1,3 A
Operating temperature	-10° / +40° C (-14° /+104° F)
Maximum relative humidity	93%, without condensing
Dimensions (LxWxD)	225 mm x 180 mm x 55 mm (9 in. x 7 in. x 2-1/6 in)
Weight	520 g (without batteries)



CAUTION: When mains powered, position the cable as shown in the picture

Approvals

CE

EN50131-1: 2006; + A1: 2009	Grade 2 - Class II
The panel must be used with a EN50131-3 certified keypad (CMA, XMA or XMB)	
EN50131-3: 2009	Grade 2 - ACE Type B
EN50131-5-3: 2005; + A1: 2009	Grade 2
EN50131-6: 2008	Grade 2 - Type C
EN50130-4: 1995; + A1: 1998; + A2: 2003	
EN50130-5: 1998	Class II
EN501301-10; EN50136-1 & -2	Class II ATS:SP2 / SPT type Z

Embedded

- Siren
  - 15 min maximum duration
  - Indoor use only
  - Can be self-powered
  - 105 dB (A) at 1 meter

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