

BRE Global Ireland

Notified Body No. 2831

BRE Global Assurance (Ireland) Limited
DCU Alpha, Old Finglas Road
Glasnevin, Dublin, D11 KXN4
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T: +353 (0) 18824344
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Certificate of constancy of performance

2831-CPR-F0518

In compliance with Regulation (EU) No. 305/2011 of the European Parliament and of the Council of 9th March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product(s)

2X-F1 One Loop Intelligent Analogue Addressable Control and Indicating Equipment

(For full product details and conditions of use refer to appendix)

Placed on the market under the name or trade mark of:

Carrier Fire & Security B.V.
Kelvinstraat 7
NL-6003 DH
Weert
Netherlands

and produced in the manufacturing plant(s):

Carrier Manufacturing Poland Spółka Z o.o.
ul. Kolejowa 24
Ropczyce
39-100
Poland

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s)

EN 54-2: 1997 + A1:2006 Control and Indicating Equipment.
EN 54-4: 1997 + A1:2002 +A2:2006 Power Supply Equipment.
EN 54 - 21: 2006 Alarm Transmissions and Fault Warning Equipment.

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure

the constancy of performance of the construction product.

This certificate was first issued on 23 October 2019 and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.



E Mattie-Suleiman, Certification Engineer

Date of First Issue: 23 October 2019

Date of Issue: 14 March 2023

On behalf of BRE Global Assurance (Ireland) Limited

Issue number 03

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2X-F1 One Loop Intelligent Analogue Addressable Control and Indicating Equipment

The details and conditions of use for the 2X-F1 one loop intelligent analogue addressable control and indicating equipment placed on the market by Carrier Fire & Security B.V., Kelvinstraat, NL-6003 DH, Weert, The Netherlands are:

To be used in accordance with the suppliers installations instructions and in conjunction with the following bases, ancillaries, sounder tones and sensitivity settings (where applicable)

2X-F1 Intelligent Analogue Addressable Control and Indicating Equipment with User Interface– 1 Loop
2X-F1-S Intelligent Analogue Addressable Control and Indicating Equipment with User Interface – 1 Loop Small Cabinet

Incorporating the following units:

2010-2F1	MB Main control board
2X-UI	User interface control board
2010-2-PS-40 using LRS-100-24	4A Power Supply

Incorporating the following optional modules:

2X-ZI-20	(20 Zone) (Large cabinet variant only)
2X-ZI-40	(40 Zone) (Large cabinet variant only)
2X-ZI-24-S	(24 Zone) (Small cabinet variant only)
2010-2-NB	Network card
2X-LB	Loop Board (Large cabinet variant only)
2010-2-232-KIT	Interface board for external printer
2010-2-PS-C2	UK mains cable for large cabinet
2010-2-PS-C2-S	UK mains cable for small cabinet
2010-2-PIB-8O	Peripheral Interface Board 8 outputs (Large cabinet variant only)
2010-2-PIB-8I	Peripheral Interface Board 8 inputs (Large cabinet variant only)
2010-2-PIB-8I8O	Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only)
2010-2-DACT	With ATS7310 (GSM module)
2X-D-TP	Translucent door option for large cabinet*
2X-D-TP-S	Translucent door option for small cabinet*
2010-FS-EOL	Fault Supervision End of Line unit



E Mattie-Suleiman, Certification Engineer,

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2X-F1-FB2 Intelligent Analogue Addressable Control and Indicating Equipment with User Interface with Fire Brigade Controls - 1 Loop

2X-F1-FB2-S Intelligent Analogue Addressable Control and Indicating Equipment with User Interface with Fire Brigade Controls - 1 Loop Small Cabinet

Incorporating the following units:


2010-2F1	MB Main control board
2X-UI-FB2	User interface control board
2010-2-PS-40 using LRS-100-24	4A Power Supply

Incorporating the following optional modules:

2X-ZI-20	(20 Zone) (Large cabinet variant only)
2X-ZI-40	(40 Zone) (Large cabinet variant only)
2X-ZI-24-S	(24 Zone) (Small cabinet variant only)
2010-2-NB	Network card
2X-LB	Loop Board (Large cabinet variant only)
2010-2-232-KIT	Interface board for external printer
2010-2-PS-C2	UK mains cable for large cabinet
2010-2-PS-C2-S	UK mains cable for small cabinet
2010-2-PIB	Peripheral Interface Board (Germany) (Large cabinet variant only)
2010-2-PIB-8O	Peripheral Interface Board 8 outputs (Large cabinet variant only)
2010-2-PIB-8I	Peripheral Interface Board 8 inputs (Large cabinet variant only)
2010-2-PIB-8I8O	Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only)
ADP-N3E-U	IFAM interface card (master) (Large cabinet variant only)
ADP-N3S	Interface card (slave) (Large cabinet variant only)
2010-2-DACT	With ATS7310 (GSM module)
2X-D-FB2-TP	Translucent door option for large cabinet*
2X-D-FB2-TP-S	Translucent door option for small cabinet*
2010-FS-EOL	Fault Supervision End of Line unit

2X-E1 Intelligent Analogue Addressable Fire and Evacuation Control and Indicating Equipment with User Interface with Fire Brigade Controls - 1 Loop

2X-E1-S Intelligent Analogue Addressable Fire and Evacuation Control and Indicating Equipment with User Interface with Fire Brigade Controls - 1 Loop Small Cabinet


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Incorporating the following units:

2010-2F1-MB	Main control board
2X-UI-E	User interface control board
2010-2-PS-40 using LRS-100-24	4A Power Supply

Incorporating the following optional modules:

2X-ZI-20	(20 Zone) (Large cabinet variant only)
2X-ZI-40	(40 Zone) (Large cabinet variant only)
2X-ZI-24-S	(24 Zone) (Small cabinet variant only)
2010-2-NB	Network card
2X-LB	Loop Board (Large cabinet variant only)
2010-2-232-KIT	Interface board for external printer
2010-2-PS-C2	UK mains cable for large cabinet
2010-2-PS-C2-S	UK mains cable for small cabinet
2010-2-PIB-8O	Peripheral Interface Board 8 outputs (Large cabinet variant only)
2010-2-PIB-8I	Peripheral Interface Board 8 inputs (Large cabinet variant only)
2010-2-PIB-8I8O	Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only)
2010-2-DACT	With ATS7310 (GSM module)
2X-D-E-TP	Translucent door option for large cabinet*
2X-D-E-TP-S	Translucent door option for small cabinet*
2010-FS-EOL	Fault Supervision End of Line unit

2X-F1-SCFB Intelligent Analogue Addressable Control and Indicating Equipment with User Interface with SS3654 Fire Brigade Controls - 1 Loop with Scandinavian Key Switch

2X-F1-SCFB-S Intelligent Analogue Addressable Control and Indicating Equipment with User Interface with SS3654 Fire Brigade Controls - 1 Loop Small Cabinet with Scandinavian Key Switch

Incorporating the following units:

2010-2F1-MB	Main control board
2X-UI-SCFB	User interface control board
2010-2-PS-40 using LRS-100-24	4A Power Supply

Incorporating the following optional modules:

2X-ZI-20	(20 Zone) (Large cabinet variant only)
2X-ZI-40	(40 Zone) (Large cabinet variant only)
2010-2-NB	Network card



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2X-LB	Loop Board (Large cabinet variant only)
2010-2-232-KIT	Interface board for external printer
2010-SK	Scandinavian key and lock assembly
2010-2-PS-C2	UK mains cable for large cabinet
2010-2-PS-C2-S	UK mains cable for small cabinet
2010-2-PIB-8O	Peripheral Interface Board 8 outputs (Large cabinet variant only)
2010-2-PIB-8I	Peripheral Interface Board 8 inputs (Large cabinet variant only)
2010-2-PIB-8I8O	Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only)
2010-2-DACT	With ATS7310 (GSM module)
2010-FS-EOL	Fault Supervision End of Line unit

The above fire control and indicating equipment are certified with the following options with requirements from EN 54-2:

- 7.8 Output to fire alarm device(s)
- 7.9.1 Output to fire alarm routing equipment (not available on 2X-F1 and 2X-F1-S)
- 7.9.2 Alarm confirmation input from fire alarm routing equipment (not available on 2X-F1 and 2X-F1-S)
- 7.10 Output to fire protection equipment - Type A,B and C (not available on 2X-F1 and 2X-F1-S)
- 7.11 Delays to outputs
- 7.12 Dependencies on more than one alarm signal (Type A, B and C)
- 7.13 Alarm counter
- 8.4 Total loss of the power supply
- 8.9 Output to fault warning routing equipment
- 9.5 Disabling of addressable points
- 10 Test condition

Notes:

1. This product approval does not constitute compliance with the fire detection and alarm systems requirements of EN 54-13.
2. Scope of the approval does not indicate the operation of the network functionality.
3. Available with the following language kit options:
01 Dutch (NL) The Netherlands, 02 French (FR), 03 English (UK) United Kingdom and Ireland, 04 German (DE), 05 Norwegian, 06 Swedish, 07 Danish (DK), 08 English (AU) Australia, 09 Spanish, 10 Italian, 11 Dutch (BE) Belgium, 12 Irish, 13 German (AU) (Austria), 14 Greek, 15 Arabic, 17 English (US) United States of America, 18 Polish, 19 Turkish, 20 Czech Republic, 21 Portuguese, 22 Hungarian, 23 Danish (IC) Iceland, 24 Slovakian, 25 Russian, 27 Lithuanian, 28 Finnish, 29 German (SW) Switzerland, 30 Estonian, 31 Latvian, 32 French (BE) Belgium, 33 French (SW) Switzerland, 34


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Italian (SW) Switzerland, 36 French (Int) International, 40 Bulgarian, 41 Belarusian, 43 Ukrainian, 44 Serbian, 45 Romanian (RO), 46 German (Int) International, 48 Croatian, 49 Macedonian, 50 Slovenian, 51 Hebrew, 71 Catalan, 80 Chinese, 99 English (Int) International English

4. *The translucent door does not meet EN54-2 access level 1 requirements. To meet EN54-2 requirements with the door fitted the following is also required:
 - i. A Zone indicator board to display the zones in alarm (to meet requirements of EN54-2 part 7.3)
 - ii. A MCP (without program delay) fitted beside the panel to allow overriding of delays (to meet requirements of EN54-2 part 7.11)

Ancillaries:

2X-FR Intelligent Analogue Addressable Control and Indicating Equipment Repeater


2X-FR-S Intelligent Analogue Addressable Control and Indicating Equipment Repeater Small Cabinet

Incorporating the following units:

2010-2FR-MB	Main control board
2X-UI	User interface control board
2010-2-PS-40 using LRS-100-24	4A Power Supply

Incorporating the following optional modules:

2X-ZI-20	(20 Zone) (Large cabinet variant only)
2X-ZI-40	(40 Zone) (Large cabinet variant only)
2X-ZI-24-S	(24 Zone) (Small cabinet variant only)
2010-2-NB	Network card
2X-LB	Loop Board (Large cabinet variant only)
2010-2-232-KIT	Interface board for external printer
2010-2-PS-C2	UK mains cable for large cabinet
2010-2-PS-C2-S	UK mains cable for small cabinet
2010-2-PIB-8O	Peripheral Interface Board 8 outputs (Large cabinet variant only)
2010-2-PIB-8I	Peripheral Interface Board 8 inputs (Large cabinet variant only)
2010-2-PIB-8I8O	Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only)
2010-2-DACT	With AT57310 (GSM module)
2X-D-TP	Translucent door option for large cabinet*
2X-D-TP-S	Translucent door option for small cabinet*
2010-FS-EOL	Fault Supervision End of Line unit


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Notes:

1. *Important: the translucent door does not meet EN54-2 access level 1 requirements. To meet EN54-2 requirements with the door fitted the following is also required:
 - i. A Zone indicator board to display the zones in alarm (to meet requirements of EN54-2 part 7.3)
 - ii. An MCP fitted beside the panel to allow overriding of delays (to meet requirements of EN54-2 part 7.11).
2. Compatible with the following CIE - 2X-F1

2X-FR-FB2 Intelligent Analogue Addressable Control and Indicating Equipment Repeater with Fire Brigade Controls


2X-FR-FB2-S Intelligent Analogue Addressable Control and Indicating Equipment Repeater with Fire Brigade Controls Small Cabinet

Incorporating the following units:

2010-2FR-MB	Main control board
2X-UI-FB2	User interface control board
2010-2-PS-40 using LRS-100-24	4A Power Supply

Incorporating the following optional modules:

2X-ZI-20	(20 Zone) (Large cabinet variant only)
2X-ZI-40	(40 Zone) (Large cabinet variant only)
2X-ZI-24-S	(24 Zone) (Small cabinet variant only)
2010-2-NB	Network card
2X-LB	Loop Board (Large cabinet variant only)
2010-2-232-KIT	Interface board for external printer
2010-2-PS-C2	UK mains cable for large cabinet
2010-2-PS-C2-S	UK mains cable for small cabinet
2010-2-PIB	Peripheral Interface Board (Germany) (Large cabinet variant only)
2010-2-PIB-8O	Peripheral Interface Board 8 outputs (Large cabinet variant only)
2010-2-PIB-8I	Peripheral Interface Board 8 inputs (Large cabinet variant only)
2010-2-PIB-8I8O	Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only)
ADP-N3E-U	IFAM interface card (master) (Large cabinet variant only)
ADP-N3S	Interface card (slave) (Large cabinet variant only)
2010-2-DACT	With AT57310 (GSM module)
2X-D-FB2-TP	Translucent door option for large cabinet*
2X-D-FB2-TP-S	Translucent door option for small cabinet*


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2010-FS-EOL Fault Supervision End of Line unit

Notes:

1. *Important: the translucent door does not meet EN54-2 access level 1 requirements. To meet EN54-2 requirements with the door fitted the following is also required:
 - i. A Zone indicator board to display the zones in alarm (to meet requirements of EN54-2 part 7.3)
 - ii. An MCP fitted beside the panel to allow overriding of delays (to meet requirements of EN54-2 part 7.11).
2. Compatible with the following CIE - 2X-F1-FB2

2X-ER Intelligent Analogue Addressable Fire and Evacuation Control and Indicating Equipment Repeater with Fire Brigade Controls


2X-ER-S Intelligent Analogue Addressable Fire and Evacuation Control and Indicating Equipment Repeater with Fire Brigade Controls Small Cabinet

Incorporating the following units:

2010-2FR-MB	Main control board
2X-UI-E	User interface control board
2010-2-PS-40 using LRS-100-24	4A Power Supply

Incorporating the following optional modules:

2X-ZI-20	(20 Zone) (Large cabinet variant only)
2X-ZI-40	(40 Zone) (Large cabinet variant only)
2X-ZI-24-S	(24 Zone) (Small cabinet variant only)
2010-2-NB	Network card
2X-LB	Loop Board (Large cabinet variant only)
2010-2-232-KIT	Interface board for external printer
2010-2-PS-C2	UK mains cable for large cabinet
2010-2-PS-C2-S	UK mains cable for small cabinet
2010-2-PIB-8O	Peripheral Interface Board 8 outputs (Large cabinet variant only)
2010-2-PIB-8I	Peripheral Interface Board 8 inputs (Large cabinet variant only)
2010-2-PIB-8I8O	Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only)
2010-2-DACT	With ATS7310 (GSM module)
2X-D-E-TP	Translucent door option for large cabinet*
2X-D-E-TP-S	Translucent door option for small cabinet*
2010-FS-EOL	Fault Supervision End of Line unit


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Notes:

1. *Important: the translucent door does not meet EN54-2 access level 1 requirements. To meet EN54-2 requirements with the door fitted the following is also required:
 - i. A Zone indicator board to display the zones in alarm (to meet requirements of EN54-2 part 7.3)
 - ii. An MCP fitted beside the panel to allow overriding of delays (to meet requirements of EN54-2 part 7.11).
2. Compatible with the following CIE - 2X-E1

2X-FR-SCFB Intelligent Analogue Addressable Control and Indicating Equipment Repeater with SS3654 Fire Brigade Controls with Scandinavian Key Switch

2X-FR-SCFB-S Intelligent Analogue Addressable Control and Indicating Equipment Repeater with SS3654 Fire Brigade Controls Small Cabinet with Scandinavian Key Switch

Incorporating the following units:

2010-2FR-MB	Main control board
2X-UI-SCFB	User interface control board
2010-2-PS-40 using LRS-100-24	4A Power Supply

Incorporating the following optional modules:

2X-ZI-20	(20 Zone) (Large cabinet variant only)
2X-ZI-40	(40 Zone) (Large cabinet variant only)
2010-2-NB	Network card
2X-LB	Loop Board (Large cabinet variant only)
2010-2-232-KIT	Interface board for external printer
2010-SK	Scandinavian key and lock assembly
2010-2-PS-C2	UK mains cable for large cabinet
2010-2-PS-C2-S	UK mains cable for small cabinet
2010-2-PIB-8O	Peripheral Interface Board 8 outputs (Large cabinet variant only)
2010-2-PIB-8I	Peripheral Interface Board 8 inputs (Large cabinet variant only)
2010-2-PIB-8I8O	Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only)
2010-FS-EOL	Fault Supervision End of Line unit

Note:

Compatible with the following CIE - 2X-F1-SCFB.



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