

UK Approved Body No. 0832

BRE Global Limited Bucknalls Lane, Garston, Watford, Hertfordshire, UK, WD25 9XX Telephone: +44 (0) 333 321 8811 Fax: +44 (0)1923 664603

Email: enquiries@breglobal.com Web: www.breglobal.com

Certificate of UKCA approval constancy of performance 0832-UKCA-CPR-F0969

In compliance with the Construction Product Regulations 2020, UK Statutory Instruments 2020 No.1359 of Ministry of Housing, Communities and Local Government. This certificate applies to the construction product.

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 trademark of: and produced in the manufacturing plant(s):

Carrier Fire & Security BV Carrier Manufacturing Poland Spółka Z o.o.

Kelvinstraat 7 ul. Kolejowa 24 NL-6003 DH Ropczyce

Weert 39-100 Netherlands 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 transmission and fault warning routing 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 21 December 2022 and will remain valid as long as neither the designated standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the approved product certification body.

Date of First Issue: 21 December 2022

E Mattie-Suleiman, Technical Development Director Issue Date: 14 March 2023

On behalf of BRE Global Limited Issue Number: 02

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APPENDIX to Certificate of constancy of performance: 0832-UKCA-CPR-F0969

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 supplier's installations instructions and in conjunctions 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

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-80 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

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

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

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-80 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)

E Mattie-Suleiman, Technical Development Director

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

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

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

Incorporating the following units:

2010-2F1-MB Main control board

2X-UI-E User interface control board

Incorporating the following optional modules:

(20 Zone) (Large cabinet variant only) 2X-ZI-20 2X-ZI-40 (40 Zone) (Large cabinet variant only) (24 Zone) (Small cabinet variant only) 2X-ZI-24-S

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) Peripheral Interface Board 8 inputs (Large cabinet variant only) 2010-2-PIB-8I

Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only) 2010-2-PIB-8I8O

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*

Fault Supervision End of Line unit 2010-FS-EOL

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

Date of First Issue: 21 December 2022 E.MSal.

E Mattie-Suleiman, Technical Development Director Issue Date: 14 March 2023

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

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

Loop Board (Large cabinet variant only) 2X-LB Interface board for external printer 2010-2-232-KIT 2010-SK Scandinavian key and lock assembly UK mains cable for large cabinet 2010-2-PS-C2 2010-2-PS-C2-S UK mains cable for small cabinet

Peripheral Interface Board 8 outputs (Large cabinet variant only) 2010-2-PIB-8O 2010-2-PIB-8I Peripheral Interface Board 8 inputs (Large cabinet variant only)

Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only) 2010-2-PIB-8I8O

2010-2-DACT With ATS7310 (GSM module) Fault Supervision End of Line unit 2010-FS-EOL

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)

Output to fire alarm routing equipment (not available on 2X-F1 and 2X-F1-S) 7.9.1

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

Total loss of the power supply 8.4

9.6 Output to fault warning routing equipment

E Mattie-Suleiman, Technical Development Director

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

9.5 Disablement 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 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:
 - iii. A Zone indicator board to display the zones in alarm (to meet requirements of EN54-2 part 7.3)
 - iv. 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

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

2X-UI User interface control board

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-80 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

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:

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

2010-2FR-MB Main control board

2X-UI-FB2 User interface control board

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
UK mains cable for small cabinet

2010-2-PIB Peripheral Interface Board (Germany) (Large cabinet variant only)
2010-2-PIB-80 Peripheral Interface Board 8 outputs (Large cabinet variant only)
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

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

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

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

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-80 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

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

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

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

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
UK mains cable for small cabinet

2010-2-PIB-80 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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