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### **Certificate of Product Approval**

Certificate Number: 1199a-(cl-1)

lssue: 04

### Carrier Fire & Security B.V.

Kelvinstraat 7 NL-6003 DH Weert Netherlands

is certified by BRE Global Ltd. and is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirement(s) of the standards as detailed below:

#### **Products**

**Control and Indicating equipment** 2X-F Range of CIE's 2X-E Range of CIE's 2X-FR Repeater Range 2X-ER Range of CIE's KFP-AE Range of CIE's KFP-A Repeater Range ZP2-F Range of CIE's ZP2-FR Repeater Range (refer to Appendix for details)

#### **Standards**

EN 54-2:1997 + A1:2006 EN 54-4:1997 + A1:2002 + A2:2006 EN 54-21:2006

Р R E

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E.Martin	E.Mattie-Suleiman	14 March 2023	5 March 2014
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Incorporating the fo 2010-2F1-MB 2X-UI 2010-2-PS-40 using	_	Main control board User interface control board 4A Power Supply	
Incorporating the fo			
2X-ZI-20		ge cabinet variant only)	
2X-ZI-40		ge cabinet variant only)	
2X-ZI-24-S		all cabinet variant only)	
2010-2-NB	Network card	verient enh)	
2X-LB Loop Board 2010-2-232-KIT		d for external printer	
2010-2-PS-C2		e for large cabinet	
2010-2-PS-C2-S			
2010-2-PIB-80		rface Board 8 outputs	
	(Large cabinet		
2010-2-PIB-8I		rface Board 8 inputs	
	(Large cabinet		
2010-2-PIB-8I8O	Peripheral Inte	rface Board 8 outputs and 8 inputs (Large	
	cabinet variant		
2010-2-DACT		(GSM module)	
2X-D-TP		oor option for large cabinet*	
2X-D-TP-S		oor option for small cabinet*	
2010-FS-EOL	Fault Supervisi	on End of Line unit	
The above fire pane from EN 54-2:	els are certified	with the following options with requirements	

Description

2X-F1 Intelligent Analogue Addressable Control and Indicating Equipment with

2X-F1-S Intelligent Analogue Addressable Control and Indicating Equipment with

#### Carrier Fire & Security B.V.

User Interface- 1 Loop

corresponding ISO 9001 Certificate being maintained.

User Interface – 1 Loop Small Cabinet

LPCB®

Certified

Product

2X-F1

2X-F1-S

### Appendix to Certificate No: 1199a-(cl-1) Issue: 04

LPCB

Ref.No.

1199a/05

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#### Appendix to Certificate No: 1199a-(cl-1)

#### **Carrier Fire & Security B.V.**

Certified Product	Description	LPCB Ref.No.
	<ul> <li>7.8 Output to fire alarm device(s)</li> <li>7.11 Delays to outputs</li> <li>7.12 Dependencies on more than one alarm signal (Type A, B and C)</li> <li>7.13 Alarm counter</li> <li>8.4 Total loss of the power supply</li> <li>8.9 Output to fault warning routing equipment</li> <li>9.5 Disablement of addressable points</li> <li>10 Test condition</li> </ul>	
	<ul> <li>Notes:</li> <li>1. This product approval does not constitute compliance with the fire detection and alarm systems requirements of EN 54-13.</li> <li>2. Scope of the approval does not indicate the operation of the network functionality.</li> <li>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.</li> <li>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: <ul> <li>i. A Zone indicator board to display the zones in alarm (to meet requirements of EN54-2 part 7.3).</li> <li>ii. A MCP (without program delay) fitted beside the panel to allow overriding of delays (to meet requirements of EN54-2 part 7.1).</li> </ul> </li> </ul>	

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#### Issue: 04

## Appendix to Certificate No: 1199a-(cl-1)

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#### **Carrier Fire & Security B.V.**

Certified Product	Description	LPCB Ref.No.
KFP-AF1 KFP-AF1-S	Intelligent Analogue Addressable Control and Indicating Equipment with User Interface - 1 Loop Intelligent Analogue Addressable Control and Indicating Equipment with User Interface - 1 Loop Small Cabinet	1199a/05
	Incorporating the following units:2010-2F1-MBMain control boardKFP-A-UIUser interface control board2010-2-PS-40 using LRS-100-244A Power Supply	
	Incorporating the following optional modules:KFP-A-ZI-20(20 Zone) (Large cabinet variant only)KFP-A-ZI-40(40 Zone) (Large cabinet variant only)KFP-A-ZI-24-S(24 Zone) (Small cabinet variant only)2010-2-NBNetwork cardKFP-A-LBLoop Board (Large cabinet variant only)2010-2-232-KITInterface board for external printer2010-2-PS-C2UK Mains cable for large cabinet2010-2-PS-C2-SUK mains cable for small cabinet2010-2-PIB-80Peripheral Interface Board 8 outputs (Large cabinet variant only)2010-2-PIB-81Peripheral Interface Board 8 outputs (Large cabinet variant only)2010-2-PIB-81Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only)2010-2-DACTWith ATS7310 (GSM module)2010-FS-EOLFault Supervision End of Line unitThe above fire panels are certified with the following options with requirements from EN 54-2:7.8Output to fire alarm device(s)	

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FM&J Signed for BRE Global Ltd	E.Mattie-Suleiman	14 March 2023	5 March 2014 Date of First Issue
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#### Appendix to Certificate No: 1199a-(cl-1)

#### Carrier Fire & Security B.V.

Certified Product	Description	LPCB Ref.No.
	<ul> <li>7.12 Dependencies on more than one alarm signal (Type A, B and C)</li> <li>7.13 Alarm counter</li> <li>8.4 Total loss of the power supply</li> <li>8.9 Output to fault warning routing equipment</li> <li>9.5 Disablement of addressable points</li> <li>10 Test condition</li> </ul>	
	Notes: 1. Scope of approval does not include the operation of the network functionality. 2. This product approval does not constitute compliance with the fire detection and alarm system requirements of EN54-13.	
ZP2-F1 ZP2-F1-S	Intelligent Analogue Addressable Control and Indicating Equipment with UserInterface - 1 LoopIntelligent Analogue Addressable Control and Indicating Equipment with UserInterface - 1 Loop Small CabinetIncorporating the following units:2010-2F1-MBMain control boardZP2-UIUser interface control board2010-2-PS-40 using LRS-100-244A Power SupplyIncorporating the following optional modules:ZP2-ZI-20(20 Zone) (Large cabinet variant only)ZP2-ZI-40(40 Zone) (Large cabinet variant only)ZP2-ZI-24-S(24 Zone) (Small cabinet variant only)2010-2-NBNetwork cardZP2-LBLoop Board (Large cabinet variant only)2010-2-PS-C2UK mains cable for large cabinet2010-2-PS-C2-SUK mains cable for small cabinet2010-2-PIB-80Peripheral Interface Board 8 outputs (Large cabinet variant only)	1199a/05

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### Appendix to Certificate No: 1199a-(cl-1) Carrier Fire & Security B.V.

Issue: 04

#### LPCB Certified Description Ref.No. Product 2010-2-PIB-8I Peripheral Interface Board 8 inputs (Large cabinet variant only) 2010-2-PIB-8I80 Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only) With ATS7310 (GSM module) 2010-2-DACT Fault Supervision End of Line unit 2010-FS-EOL ZP2-D-TP Translucent door option for large cabinet\* ZP2-D-TP-S Translucent door option for small cabinet\* The above fire panels are certified with the following options with requirements from EN 54-2: 7.8 Output to fire alarm device(s) 7.11 Delays to outputs Dependencies on more than one alarm signal (Type A, B and C) 7.12 7.13 Alarm counter Total loss of the power supply 8.4 8.9 Output to fault warning routing equipment 9.5 Disablement of addressable points Test condition 10 Notes: 1. Scope of approval does not include the operation of the network functionality 2. This product approval does not constitute compliance with the fire detection and alarm system requirements of EN54-13. 3.\*The translucent door does not meet EN54-2 access level 1 requirements. To meet EN 54-2 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)

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Issue: 04

#### **Carrier Fire & Security B.V.**

Certified Product		Description	LPCB Ref.No.
2X-F1-FB2 2X-F1-FB2-S	Interface with Fire Brigad Intelligent Analogue Add	dressable Control and Indicating Equipment with User de Controls - 1 Loop dressable Control and Indicating Equipment with User de Controls - 1 Loop Small Cabinet	1199a/07
	Incorporating the followi 2010-2F1-MB 2X-UI-FB2 2010-2-PS-40 using LRS-	ing units: Main control board User interface control board -100-24 4A Power Supply	
	2X-ZI-40       (40.2)         2X-ZI-24-S       (24.2)         2010-2-NB       Network         2X-LB       Loop         2010-2-PS-C2       UK m         2010-2-PS-C2-S       UK m         2010-2-PIB       Perip         0010-2-PIB-80       Perip         2010-2-PIB-81       Perip         2010-2-PIB-81       Perip         2010-2-PIB-8180       Perip         2010-2-PIB-8180       Perip         2010-2-PIB-8180       Perip         ADP-N3E-U       IFAN         ADP-N3S       Inter         2010-2-DACT       With	Zone) (Large cabinet variant only) Zone) (Large cabinet variant only) Zone) (Small cabinet variant only) work card p Board (Large cabinet variant only) rface board for external printer mains cable for large cabinet mains cable for small cabinet pheral Interface Board (Germany) (Large cabinet variant ) pheral Interface Board 8 outputs (Large cabinet variant ) pheral Interface Board 8 inputs (Large cabinet variant	

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Issue: 04

#### **Carrier Fire & Security B.V.**

Certified Product	Description	LPCB Ref.No.
	2010-FS-EOL Fault Supervision End of Line unit	
	<ul> <li>The above fire panels are certified with the following options with requirements from EN 54-2:</li> <li>7.8 Output to fire alarm devices</li> <li>7.9.1 Output to fire alarm routing equipment</li> <li>7.9.2 Alarm confirmation input from fire alarm routing equipment</li> <li>7.10 Output to fire protection equipment (type A, B, and C)</li> <li>7.11 Delays to outputs</li> <li>7.12 Dependencies on more than one alarm signal (Type A, B and C)</li> <li>7.13 Alarm counter</li> <li>8.4 Total loss of the power supply</li> <li>8.9 Output to fault warning routing equipment</li> <li>9.5 Disablement of addressable points</li> <li>10 Test condition</li> </ul>	
KFP-AF1-FB2	Notes: 1. Scope of approval does not include the operation of the network functionality 2. This product approval does not constitute compliance with the fire detection and alarm system requirements of EN54-13. Intelligent Analogue Addressable Control and Indicating Equipment with User	4400 (07
KFP-AF1-FB2 KFP-AF1-FB2- S	Interface with Fire Brigade Controls - 1 Loop 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 KFP-A-UI-FB2 User interface control board 2010-2-PS-40 using LRS-100-24 4A Power Supply	1199a/07

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2010-2- 2010-F		With ATS7310 (GSM module) Fault Supervision End of Line unit
20101.	, LOL	radit supervision end of ene and
The abo	ove fire par	nels are certified with the following options with requirements
from EN		5-1
7.8	Output	to fire alarm devices
7.9.1		to fire alarm routing equipment
7.9.2		onfirmation input from fire alarm routing equipment
7.10		to fire protection equipment (Type A, B, and C)
7.11	Delays f	o outputs
7.12	Depend	encies on more than one alarm signal (Type A, B and C)
7.13	Alarm o	ounter
8.4	Total lo	ss of the power supply

Description

(20 Zone) (Large cabinet variant only)

(40 Zone) (Large cabinet variant only)

(24 Zone) (Small cabinet variant only)

Interface board for external printer

UK mains cable for large cabinet

UK mains cable for small cabinet

Loop Board (Large cabinet variant only)

Peripheral Interface Board (Germany) (Large cabinet variant

Peripheral Interface Board 8 outputs (Large cabinet variant

Peripheral Interface Board 8 inputs (Large cabinet variant

Peripheral Interface Board 8 outputs and 8 inputs (Large

IFAM interface card (master) (Large cabinet variant only)

### Appendix to Certificate No: 1199a-(cl-1) **Carrier Fire & Security B.V.**

KFP-A-ZI-20

KFP-A-ZI-40

2010-2-NB

KFP-A-LB

KFP-A-ZI-24-S

2010-2-232-KIT

2010-2-PS-C2-S

2010-2-PIB-80

2010-2-PIB-8I

ADP-N3E-U

2010-2-PIB-8I80

2010-2-PS-C2

2010-2-PIB

Incorporating the following optional modules:

only)

only)

only)

E.Mattie-Suleiman

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cabinet variant only)

Network card

Issue: 04

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#### Appendix to Certificate No: 1199a-(cl-1)

#### Issue: 04

#### **Carrier Fire & Security B.V.**

Certified Product	Description			
	<ul> <li>8.9 Output to fault warning routing equipment</li> <li>9.5 Disablement of addressable points</li> <li>10 Test condition</li> </ul>			
	Notes: 1. Scope of approval does not include the operation of the network functionality 2. This product approval does not constitute compliance with the fire detection and alarm system requirements of EN54-13.			
ZP2-F1-FB2 ZP2-F1-FB2-S	1-FB2 Intelligent Analogue Addressable Control and Indicating Equipment with User			
	Incorporating the following optional modules:ZP2-ZI-20(20 Zone) (Large cabinet variant only)ZP2-ZI-40(40 Zone) (Large cabinet variant only)ZP2-ZI-24-S(24 Zone) (Small cabinet variant only)2010-2-NBNetwork cardZP2-LBLoop Board (Large cabinet variant only)2010-2-232-KITInterface board for external printer2010-2-PS-C2UK mains cable for large cabinet2010-2-PS-C2-SUK mains cable for small cabinet2010-2-PIBPeripheral Interface Board (Germany) (Large cabinet variant			
	only) 2010-2-PIB-80 Peripheral Interface Board 8 outputs (Large cabinet variant only)			

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#### Appendix to Certificate No: 1199a-(cl-1) Carrier Fire & Security B.V.

LPCB Certified Description Product Ref.No. 2010-2-PIB-8I Peripheral Interface Board 8 inputs (Large cabinet variant only) 2010-2-PIB-8I80 Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only) IFAM Interface card (master) (Large cabinet variant only) ADP-N3E-U ADP-N3S Interface card (slave) (Large cabinet variant only) 2010-2-DACT With ATS7310 (GSM module) 2010-FS-EOL Fault Supervision End of Line unit ZP2-D-FB2-TP Translucent door option for large cabinet\* ZP2-D-FB2-TP-S Translucent door option for small cabinet\* The above fire panels are certified with the following options with requirements from EN 54-2: 7.8 Output to fire alarm devices 7.9.1 Output to fire alarm routing equipment 7.9.2 Alarm confirmation input from fire alarm routing equipment 7.10 Output to fire protection equipment (Type A, B, and C) 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 Disablement of addressable points Test condition 10 Notes: 1. Scope of approval does not include the operation of the network functionality 2. This product approval does not constitute compliance with the fire detection and alarm system requirements of EN54-13. 2X-F1 Intelligent Analogue Addressable Fire and Evacuation Control and Indicating 1199a/08 2X-E1-S Equipment with User Interface with Fire Brigade Controls - 1 Loop

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Issue: 04

### Appendix to Certificate No: 1199a-(cl-1)

Issue: 04

#### **Carrier Fire & Security B.V.**

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Certified Product		Description	LPCB Ref.No
		ue Addressable Fire and Evacuation Control and Indicating	
	Equipment with U	ser 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	
	2010-2-PS-40 usin	g 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-80	Peripheral Interface Board 8 outputs (Large cabinet variant only)	
	2010-2-PIB-8I	Peripheral Interface Board 8 inputs (Large cabinet variant	
	2010-2-FID-OI	only)	
	2010-2-PIB-8I8O	Peripheral Interface Board 8 outputs and 8 inputs (Large	
	2010 2 110 0100	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	
	The above fire par	els are certified with the following options with requirements	
	from EN 54-2:	and callined with the following options with requirements	
		to fire alarm device(s)	
		to fire alarm routing equipment	

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### Appendix to Certificate No: 1199a-(cl-1)

### Issue: 04

#### **Carrier Fire & Security B.V.**

Certified Product	Description	LPCB Ref.No.		
	<ul> <li>7.9.2 Alarm confirmation input from fire alarm routing equipment</li> <li>7.10 Output to fire protection equipment (Type A, B, and C)</li> <li>7.11 Delays to outputs</li> <li>7.12 Dependencies on more than one alarm signal (Type A, B and C)</li> <li>7.13 Alarm counter</li> <li>8.4 Total loss of the power supply</li> <li>8.9 Output to fault warning routing equipment</li> <li>9.5 Disablement of addressable points</li> <li>10 Test condition</li> </ul>			
	<ul> <li>Notes:</li> <li>1. Scope of approval does not include the operation of the network functionality.</li> <li>2. This product approval does not constitute compliance with the fire detection and alarm system requirements of EN54-13.</li> <li>3. *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: <ul> <li>i. A Zone indicator board to display the zones in alarm (to meet requirements of EN54-2 part 7.3).</li> <li>ii. A MCP (without program delay) fitted beside the panel to allow overriding of delays (to meet requirements of EN54-2 part 7.1).</li> </ul> </li> </ul>			
KFP-AE1 KFP-AE1-S	KFP-AE1-SEquipment with User Interface with Fire Brigade Controls - 1 Loop Intelligent Analogue Addressable Fire and Evacuation Control and Indicating Equipment with User Interface with Fire Brigade Controls - 1 Loop Small CabinetIncorporating the following units: 2010-2F1-MBMain control board User interface control board 2010-2-PS-40 using LRS-100-24KFP-A-UI-EUser interface control board 4A Power SupplyIncorporating the following optional modules:			
	KFP-A-ZI-20(20 Zone) (Large cabinet variant only)			

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#### Appendix to Certificate No: 1199a-(cl-1) Carrier Fire & Security B.V.

LPCB Certified Description Product Ref.No. KFP-A-ZI-40 (40 Zone) (Large cabinet variant only) KFP-A-ZI-24-S (24 Zone) (Small cabinet variant only) 2010-2-NB Network card KFP-A-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-8I80 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 panels 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 7.9.2 Alarm confirmation input from fire alarm routing equipment 7.10 Output to fire protection equipment (Type A, B, and C) 7.11 Delays to outputs Dependencies on more than one alarm signal (Type A, B and C) 7.12 7.13 Alarm counter Total loss of the power supply 8.4 8.9 Output to fault warning routing equipment 9.5 Disablement of addressable points 10 Test condition Notes:

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#### Appendix to Certificate No: 1199a-(cl-1)

#### Issue: 04

#### **Carrier Fire & Security B.V.**

Certified Product	Description			
	<ol> <li>This product approval does not constitute compliance with the fire detection and alarm systems requirements of EN 54-13.</li> <li>Scope of the approval does not indicate the operation of the network functionality.</li> <li>Available with the following language kit options:</li> <li>Dutch (NL) The Netherlands, 02 French (FR) France, 03 English (UK) United Kingdom and Ireland, 04 German (DE) Germany, 05 Norwegian Norway, 06 Swedish Sweden, 07 Danish (DK) Denmark, 08 English (AU) Australia, 09 Spanish Spain, 10 Italian Italy, 11 Dutch (BE) Belgium,12 Irish Ireland, 13 German (AU) German (Austria), 14 Greek Greece, 15 Arabic Middle East, 17 English (US) United States of America, 18 Polish Poland, 19 Turkish Turkey, 20 Czech Czech Republic, 21 Portuguese Portugal, 22 Hungarian Hungary, 23 Danish (IC) Iceland, 24 Slovakian Slovak Republic, 25 Russian Russia, 27 Lithuanian Lithuania, 28 Finnish Finland, 29 German (SW) Switzerland, 30 Estonian Estonia, 31 Latvian Latvia, 32 French (BE) Belgium, 33 French (SW) Switzerland, 34 Italian (SW) Switzerland, 36 French (Int) International French, 40 Bulgarian Bulgaria, 41 Belarusian Belarus, 43 Ukrainian Ukraine, 44 Serbian Serbia, 45 Romanian (RO) Romania, 46 German (Int) International German, 48 Croatian Croatia, 49 Macedonian Macedonia, 50 Slovenian Slovenia, 51 Hebrew Israel, 71 Catalan Catalonia (Spain), 80 Chinese</li> </ol>			
ZP2-E1 ZP2-E1-S	Intelligent Analogue Addressable Fire and Evacuation Control and Indicating Equipment with User Interface with Fire Brigade Controls - 1 Loop Intelligent Analogue Addressable Fire and Evacuation Control and Indicating Equipment with User Interface with Fire Brigade Controls - 1 Loop Small CabinetIncorporating the following units: 2010-2F1-MBMain control board User interface control board 2P2-UI-EZP2-UI-EUser interface control board 2010-2-PS-40 using LRS-100-24Incorporating the following optional modules:			

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Product	Description		
	ZP2-ZI-20	(20 Zone) (Large cabinet variant only)	
	ZP2-ZI-40	(40 Zone) (Large cabinet variant only)	
	ZP2-ZI-24-S	(24 Zone) (Small cabinet variant only)	
	2010-2-NB	Network card	
	ZP2-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)	
	2010-FS-EOL	Fault Supervision End of Line unit	
	ZP2-D-E-TP	Translucent door option for large cabinet*	
	ZP2-D-E-TP-S	Translucent door option for small cabinet*	
	from EN 54-2:         7.8       Output         7.9.1       Output         7.9.2       Alarm c         7.10       Output         7.11       Delays t         7.12       Depend         7.13       Alarm c         8.4       Total los         8.9       Output	ss of the power supply to fault warning routing equipment nent of addressable points	

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## Appendix to Certificate No: 1199a-(cl-1)

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#### **Carrier Fire & Security B.V.**

Certified Product	Description	
	<ul> <li>Notes:</li> <li>1. This product approval does not constitute compliance with the fire detection and alarm systems requirements of EN 54-13.</li> <li>2. Scope of the approval does not indicate the operation of the network functionality</li> <li>3. Available with the following language kits:</li> <li>01 Dutch (NL) The Netherlands, 02 French (FR) France, 03 English (UK) United Kingdom and Ireland, 04 German (DE) Germany, 05 Norwegian Norway, 06 Swedish Sweden, 07 Danish (DK) Denmark, 08 English (AU) Australia, 09 Spanish Spain, 10 Italian Italy, 11 Dutch (BE) Belgium, 12 Irish Ireland, 13 German (AU) German (Austra), 14 Greek Greece, 15 Arabic Middle East, 17 English (US) United States of America, 18 Polish Poland, 19 Turkish Turkey, 20 Czech Czech Republic, 21 Portuguese Portugal, 22 Hungarian Hungary, 23 Danish (IC) Iceland, 24</li> <li>Slovakian Slovak Republic, 25 Russian Russia, 27 Lithuanian Lithuania, 28 Finnish Finland, 29 German (SW) Switzerland, 30 Estonian Estonia, 31 Latvian Latvia, 32</li> <li>French (Int) International French, 40 Bulgarian Bulgaria, 41 Belarusian Belarus, 43</li> <li>Ukrainian Ukraine, 44 Serbian Serbia, 45 Romanian (RO) Romania, 46 German (Int) International German, 48 Croatian Croatia, 49 Macedonian Macedonia, 50 Slovenian Slovenia, 51 Hebrew Israel, 71 Catalan Catalonia (Spain), 80 Chinese China, 99 English (Int) International English</li> <li>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: <ul> <li>i. A Zone indicator board to display the zones in alarm (to meet requirements of EN54-2 part 7.3).</li> <li>ii. A MCP (without program delay) fitted beside the panel to allow overriding of delays (to meet requirements of EN54-2 part 7.11).</li> </ul> </li> </ul>	
2X-F1-SCFB 2X-F1-SCFB-S	Intelligent Analogue Addressable Control and Indicating Equipment with User Interface with SS3654 Fire Brigade Controls - 1 Loop with Scandinavian Key Switch	1199a/09

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### Appendix to Certificate No: 1199a-(cl-1)

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#### **Carrier Fire & Security B.V.**

Certified Product	Description	LPCB Ref.No.
	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:Main control board2010-2F1-MBMain control board2X-UI-SCFBUser interface control board2010-2-PS-40 using LRS-100-244A 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-NBNetwork card2X-LBLoop Board (Large cabinet variant only)2010-2-232-KITInterface board for external printer2010-SKScandinavian key and lock assembly2010-2-PS-C2UK mains cable for large cabinet2010-2-PS-C2-SUK mains cable for small cabinet2010-2-PIB-80Peripheral Interface Board 8 outputs (Large cabinet variant only)2010-2-PIB-81Peripheral Interface Board 8 outputs (Large cabinet variant only)2010-2-PIB-880Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only)2010-2-DACTWith ATS7310 (GSM module)2010-FS-EOLFault Supervision End of Line unit	
	<ul> <li>The above fire panels are certified with the following options with requirements from EN 54-2:</li> <li>7.8 Output to fire alarm devices</li> <li>7.9.1 Output to fire alarm routing equipment</li> <li>7.9.2 Alarm confirmation input from fire alarm routing equipment</li> </ul>	

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### Appendix to Certificate No: 1199a-(cl-1)

#### Carrier Fire & Security B.V.

Certified Product	Description	LPCB Ref.No.
	<ul> <li>7.10 Output to fire protection equipment (Type A, B, and C)</li> <li>7.11 Delays to outputs</li> <li>7.12 Dependencies on more than one alarm signal (Type A, B and C)</li> <li>7.13 Alarm counter</li> <li>8.4 Total loss of the power supply</li> <li>8.9 Output to fault warning routing equipment</li> <li>9.5 Disablement of addressable points</li> <li>10 Test condition</li> </ul>	
KFP-AF1- SCFB KFP-AF1- SCFB-S	Intelligent Analogue Addressable Control and Indicating Equipment with User Interface with SS3654 Fire Brigade Controls - 1 Loop with Scandinavian Key Switch	1199a/09

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### Appendix to Certificate No: 1199a-(cl-1)

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#### **Carrier Fire & Security B.V.**

Certified Product	Description	LPCB Ref.No.
	Intelligent Analogue Addressable Control and Indicating Equipment with User Interface with Fire Brigade Controls - 2 Loop with Printer with Scandinavian Key Switch	
	Incorporating the following units:2010-2F1-MBMain control boardKFP-A-UI-SCFBUser interface control board2010-2-PS-40 using LRS-100-244A Power Supply	
	Incorporating the following optional modules:KFP-A-ZI-20(20 Zone) (Large cabinet variant only)KFP-A-ZI-40(40 Zone) (Large cabinet variant only)2010-2-NBNetwork cardKFP-A-LBLoop Board (Large cabinet variant only)2010-2-232-KITInterface board for external printer2010-SKScandinavian key and lock assembly2010-2-PS-C2UK mains cable for large cabinet2010-2-PS-C2-SUK mains cable for small cabinet2010-2-PIB-80Peripheral Interface Board 8 outputs (Large cabinet variant only)2010-2-PIB-81Peripheral Interface Board 8 inputs (Large cabinet variant only)2010-2-PIB-880Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only)2010-2-PIB-81Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only)2010-2-PIB-810Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only)2010-2-DACTWith ATS7310 (GSM module)	
	2010-FS-EOL Fault Supervision End of Line unit	
	<ul><li>The above fire panels are certified with the following options with requirements</li><li>from EN 54-2:</li><li>7.8 Output to fire alarm devices</li></ul>	
	7.9.1Output to fire alarm routing equipment7.9.2Alarm confirmation input from fire alarm routing equipment	

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#### Carrier Fire & Security B.V.

	Certified Product	Description	LPCB Ref.No.
		<ul> <li>7.10 Output to fire protection equipment (Type A, B, and C)</li> <li>7.11 Delays to outputs</li> <li>7.12 Dependencies on more than one alarm signal (Type A, B and C)</li> <li>7.13 Alarm counter</li> <li>8.4 Total loss of the power supply</li> <li>8.9 Output to fault warning routing equipment</li> <li>9.5 Disablement of addressable points</li> <li>10 Test condition</li> </ul>	
		Notes: 1. Scope of approval does not include the operation of the network functionality 2.This product approval does not constitute compliance with the fire detection and alarm system requirements of EN54-13.	
	ZP2-F1-SCFB ZP2-F1-SCFB- S	FB Intelligent Analogue Addressable Control and Indicating Equipment with User	
	Incorporating the following units:Main control board2010-2F1-MBMain control boardZP2-UI-SCFBUser interface control board2010-2-PS-40 using LRS-100-244A Power SupplyIncorporating the following optional modules:ZP2-ZI-20(20 Zone) (Large cabinet variant only)ZP2-ZI-40(40 Zone) (Large cabinet variant only)2010-2-NBNetwork cardZP2-LBLoop Board (Large cabinet variant only)2010-2-232-KITInterface board for external printer2010-SKScandinavian key and lock assembly		

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## Appendix to Certificate No: 1199a-(cl-1)

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#### **Carrier Fire & Security B.V.**

Certified Product		Description	LPCB Ref.No.
	2010-2-PS-C2-S UK mains cable	for large cabinet for small cabinet face Board 8 outputs (Large cabinet variant	
	5.	face Board 8 inputs (Large cabinet variant	
		face Board 8 outputs and 8 inputs (Large	
	2010-2-DACT With ATS7310		
	<ul> <li>The above fire panels are certified with the following options with requirements from EN 54-2:</li> <li>7.8 Output to fire alarm devices</li> <li>7.9.1 Output to fire alarm routing equipment</li> <li>7.9.2 Alarm confirmation input from fire alarm routing equipment</li> <li>7.10 Output to fire protection equipment (Type A, B, and C)</li> <li>7.11 Delays to outputs</li> <li>7.12 Dependencies on more than one alarm signal (Type A, B and C)</li> <li>7.13 Alarm counter</li> <li>8.4 Total loss of the power supply</li> <li>8.9 Output to fault warning routing equipment</li> <li>9.5 Disablement of addressable points</li> <li>10 Test condition</li> </ul>		
		de the operation of the network functionality onstitute compliance with the fire detection N54-13.	
2X-F2 2X-F2-PRT	Intelligent Analogue Addressable Co Interface - 2 Loop	ontrol and Indicating Equipment with User	1199a/10

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#### **Carrier Fire & Security B.V.**

Certified Product		Description	LPCB Ref.No
2X-F2-S	Interface - 2 Loop	ue Addressable Control and Indicating Equipment with User	
	Incorporating the 2010-2F2-MB 2X-UI 2010-2-PS-40 usin	following units: Main control board User interface control board g LRS-100-24 4A Power Supply	
	2X-ZI-20 2X-ZI-24-S 2010-2-NB 2X-LB 2010-2-PS-C2 2010-2-PS-C2 2010-2-PS-C2-S 2010-2-PRT 2010-2-PIB-80 2010-2-PIB-8I 2010-2-PIB-8I80	<ul> <li>(24 Zone) (Small cabinet variant only)</li> <li>Network card</li> <li>Loop Board (Large cabinet variant only)</li> <li>Interface board for external printer</li> <li>UK mains cable for large cabinet</li> <li>UK mains cable for small cabinet</li> <li>Door mounted printer module (2X-F2-PRT variant only)</li> <li>Peripheral Interface Board 8 outputs (Large cabinet variant only)</li> <li>Peripheral Interface Board 8 inputs (Large cabinet variant only)</li> <li>Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only)</li> </ul>	
	2010-2-DACT 2X-D-TP	With ATS7310 (GSM module) Translucent door option for large cabinet* (2X-F2 variant only)	
	2X-D-TP-S	Translucent door option for small cabinet* (2X-F2-S variant only)	
	2010-FS-EOL	Fault Supervision End of Line unit	

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### Appendix to Certificate No: 1199a-(cl-1) **Carrier Fire & Security B.V.**

Description	LPCB Ref.No.	
The above fire panels are certified with the following options with requirements from EN 54-2:7.8Output to fire alarm devices7.11Delays to outputs7.12Dependencies on more than one alarm signal (Type A, B and C)7.13Alarm counter8.4Total loss of the power supply8.9Output to fault warning routing equipment9.5Disablement of addressable points10Test condition		
<ul> <li>Notes:</li> <li>1. Scope of approval does not include the operation of the network functionality</li> <li>2. This product approval does not constitute compliance with the fire detection and alarm system requirements of EN54-13.</li> <li>3. *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: <ul> <li>i. A Zone indicator board to display the zones in alarm (to meet requirements of EN54-2 part 7.3)</li> <li>ii. A MCP (without program delay) fitted beside the panel to allow</li> </ul> </li> </ul>		
KFP-AF2       Intelligent Analogue Addressable Control and Indicating Equipment with User         KFP-AF2-PRT       Interface - 2 Loop         KFP-AF2-S       Intelligent Analogue Addressable Control and Indicating Equipment with User         Interface - 2 Loop with Printer       Intelligent Analogue Addressable Control and Indicating Equipment with User         Interface - 2 Loop with Printer       Intelligent Analogue Addressable Control and Indicating Equipment with User         Intelligent Analogue Addressable Control and Indicating Equipment with User       Interface - 2 Loop Small Cabinet         Incorporating the following units:       2010-2F2-MB         KFP-A-UI       Main control board         KFP-A-UI       User interface control board		
	The above fire panels are certified with the following options with requirements from EN 54-2:         7.8       Output to fire alarm devices         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       Disablement of addressable points         10       Test condition         Notes:       1.         1. Scope of approval does not include the operation of the network functionality         2. This product approval does not constitute compliance with the fire detection and alarm system requirements of EN54-13.         3. *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: <ul> <li>i. A Zone indicator board to display the zones in alarm (to meet requirements of EN54-2 part 7.3)</li> <li>ii. A MCP (without program delay) fitted beside the panel to allow overriding of delays (to meet requirements of EN54-2 part 7.11)</li> </ul> Intelligent Analogue Addressable Control and Indicating Equipment with User Interface - 2 Loop         Intelligent Analogue Addressable Control and Indicating Equipment with User Interface - 2 Loop Small Cabinet         Incorporating the following units:       2010-2F2-MB         Main control board	

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## Appendix to Certificate No: 1199a-(cl-1)

Certified LPCB Description Product Ref.No. 2010-2-PS-40 using LRS-100-24 4A Power Supply Incorporating the following optional modules: KFP-A-ZI-20 (20 Zone) (Large cabinet variant only) KFP-A-ZI-40 (40 Zone) (Large cabinet variant only) KFP-A-ZI-24-S (24 Zone) (Small cabinet variant only) 2010-2-NB Network card KFP-A-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 Door mounted printer module (KFP-A-F2-PRT variant only) 2010-2-PRT 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) Peripheral Interface Board 8 outputs and 8 inputs (Large 2010-2-PIB-8I80 cabinet variant only) With ATS7310 (GSM module) 2010-2-DACT 2010-FS-EOL Fault Supervision End of Line unit The above fire panels are certified with the following options with requirements from EN 54-2: 7.8 Output to fire alarm devices 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 Disablement of addressable points Test condition 10

#### **Carrier Fire & Security B.V.**



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Issue: 04

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## Appendix to Certificate No: 1199a-(cl-1)

#### Issue: 04

#### **Carrier Fire & Security B.V.**

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Certified Product	Description	
	Notes: 1. Scope of approval does not include the operation of the network functionality 2. This product approval does not constitute compliance with the fire detection and alarm system requirements of EN54-13.	
ZP2-F2 ZP2-F2-PRT ZP2-F2-S	Intelligent Analogue Addressable Control and Indicating Equipment with UserInterface - 2 LoopIntelligent Analogue Addressable Control and Indicating Equipment with UserInterface - 2 Loop with PrinterIntelligent Analogue Addressable Control and Indicating Equipment with UserInterface - 2 Loop Small CabinetIncorporating the following units:2010-2F2-MBMain control boardZP2-UIUser interface control board2010-2-PS-40 using LRS-100-244A Power SupplyIncorporating the following optional modules:ZP2-ZI-20(20 Zone) (Large cabinet variant only)ZP2-ZI-40(40 Zone) (Large cabinet variant only)ZP2-ZI-45(24 Zone) (Small cabinet variant only)2010-2-NBNetwork cardZP2-LBLoop Board (Large cabinet variant only)2010-2-PS-C2UK mains cable for large cabinet2010-2-PS-C2-SUK mains cable for small cabinet2010-2-PRTDoor mounted printer module (ZP2-F2-PRT variant only)2010-2-PIB-80Peripheral Interface Board 8 inputs	1199a/10

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	<sub>Verifier</sub>	Date of Issue	Date of First Issue
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### Appendix to Certificate No: 1199a-(cl-1)

Issue: 04

#### **Carrier Fire & Security B.V.**

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	
ZP2-D-TP	Translucent door option for large cabinet* (ZP2-F2 variant only)	
ZP2-D-TP-S	Translucent door option for small cabinet* (ZP2-F2-S variant only)	
The above fire pan from EN 54-2:	els are certified with the following options with requirements	
	to fire alarm devices	
	o outputs	
7.12 Depende 7.13 Alarm co	encies on more than one alarm signal (Type A, B and C)	
	s of the power supply	
	to fault warning routing equipment	
9.5 Disablen 10 Test con	nent of addressable points	
TO TEST CON		
Notes:		
2. This product app	val does not include the operation of the network functionality proval does not constitute compliance with the fire detection requirements of EN54-13.	
	t door does not meet EN54-2 access level 1 requirements. To	
	irements with the door fitted the following is also required:	
	ndicator board to display the zones in alarm (to meet	
	nts of EN54-2 part 7.3)	
	(without program delay) fitted beside the panel to allow of delays (to meet requirements of EN54-2 part 7.11).	

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LPCB Control CERTIFIC Control CERTIFIC Control CERTIFIC Control CERTIFIC CONTROL CERTIFICATION 0007	subject to terms and conditions (f To check the validity of this certifi <u>www.redbooklive.com/check</u> , sca BRE Global Ltd, Watford, WD25 S T: +44 (0)333 321 8811 E: <u>enqui</u>	n the QR tag or contact us. XXX	

### Appendix to Certificate No: 1199a-(cl-1)

Issue: 04

#### **Carrier Fire & Security B.V.**

Certified Product	Description		LPCB Ref.No.
2X-F2-FB2 2X-F2-FB2- PRT 2X-F2-FB2-S	Interface with Fire I Intelligent Analogu Interface with Fire I Intelligent Analogu	e Addressable Control and Indicating Equipment with User Brigade Controls - 2 Loop e Addressable Control and Indicating Equipment with User Brigade Controls - 2 Loop with Printer e Addressable Control and Indicating Equipment with User Brigade Controls - 2 Loop Small Cabinet	1199a/12
	Incorporating the for 2010-2F2-MB 2X-UI-FB2 2010-2-PS-40 using	ollowing units: Main control board User interface control board g LRS-100-24 4A Power Supply	
	Incorporating the for 2X-ZI-20 2X-ZI-40 2X-ZI-24-S 2010-2-NB 2X-LB 2010-2-232-KIT 2010-2-PS-C2 2010-2-PS-C2-S 2010-2-PRT 2010-2-PIB	ollowing optional modules: (20 Zone) (Large cabinet variant only) (40 Zone) (Large cabinet variant only) (24 Zone) (Small cabinet variant only) Network card Loop Board (Large cabinet variant only) Interface board for external printer UK mains cable for large cabinet UK mains cable for small cabinet Door mounted printer module (2X-F2-FB2-PRT variant only) Peripheral Interface Board (Germany) (Large cabinet variant only)	
	2010-2-PIB-80 2010-2-PIB-81	Peripheral Interface Board 8 outputs (Large cabinet variant only) Peripheral Interface Board 8 inputs (Large cabinet variant	
	2010-2-PIB-8180 ADP-N3E-U	only) Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only) IFAM interface card (master) (Large cabinet variant only)	
	ADP-N3S	Interface card (slave) (Large cabinet variant only)	

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## Appendix to Certificate No: 1199a-(cl-1)

#### Issue: 04

#### **Carrier Fire & Security B.V.**

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Certified Product	Description		LPCB Ref.No.
2010-2-DACT 2X-D-FB2-TP		With ATS7310 (GSM module) Translucent door option for large cabinet* (2X-F2-FB2 variant only)	
	2X-D-FB2-TP-S	Translucent door option for large cabinet* (2X-F2-FB2-S variant only)	
	2010-FS-EOL	Fault Supervision End of Line unit	
<ul> <li>The above fire panels are certified with the following options with requirements from EN 54-2:</li> <li>7.8 Output to fire alarm devices</li> <li>7.9.1 Output to fire alarm routing equipment</li> <li>7.9.2 Alarm confirmation input from fire alarm routing equipment</li> <li>7.10 Output to fire protection equipment (Type A, B, and C)</li> <li>7.11 Delays to outputs</li> <li>7.12 Dependencies on more than one alarm signal (Type A, B and C)</li> <li>7.13 Alarm counter</li> <li>8.4 Total loss of the power supply</li> <li>8.9 Output to fault warning routing equipment</li> <li>9.5 Disablement of addressable points</li> <li>10 Test condition</li> </ul>			
	2. This product ap and alarm system 3.*The translucen meet EN54-2 requ i. A Zone requirem ii. A MCF	eval does not include the operation of the network functionality oproval does not constitute compliance with the fire detection requirements of EN54-13. It door does not meet EN54-2 access level 1 requirements. To uirements with the door fitted the following is also required: indicator board to display the zones in alarm (to meet ents of EN54-2 part 7.3) (without program delay) fitted beside the panel to allow g of delays (to meet requirements of EN54-2 part 7.11).	

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Issue: 04

#### **Carrier Fire & Security B.V.**

Certified Product	Description	LPCB Ref.No.
KFP-AF2-FB2 KFP-AF2-FB2- PRT KFP-AF2-FB2- S	Intelligent Analogue Addressable Control and Indicating Equipment with User Interface with Fire brigade Controls - 2 Loop Intelligent Analogue Addressable Control and Indicating Equipment with User Interface with Fire Brigade Controls - 2 Loop with Printer Intelligent Analogue Addressable Control and Indicating Equipment with User Intelligent Analogue Addressable Control and Indicating Equipment with User Interface with Fire Brigade Controls - 2 Loop Small Cabinet	1199a/12
	2010-2F2-MBMain control boardKFP-A-UI-FB2User interface control board2010-2-PS-40 using LRS-100-244A Power Supply	
	Incorporating the following optional modules:KFP-A-ZI-20(20 Zone) (Large cabinet variant only)KFP-A-ZI-40(40 Zone) (Large cabinet variant only)KFP-A-ZI-24-S(24 Zone) (Small cabinet variant only)2010-2-NBNetwork cardKFP-A-LBLoop Board (Large cabinet variant only)2010-2-232-KITInterface board for external printer2010-2-PS-C2UK mains cable for large cabinet2010-2-PS-C2-SUK mains cable for small cabinet2010-2-PRTDoor mounted printer module (KFP-A-F2-FB2-PRT variant only)	
	2010-2-PIBPeripheral Interface Board (Germany) (Large cabinet variant only)2010-2-PIB-80Peripheral Interface Board 8 outputs (Large cabinet variant	
	only) 2010-2-PIB-8I Peripheral Interface Board 8 inputs (Large cabinet variant only)	
	2010-2-PIB-8I8OPeripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only)ADP-N3E-U(Large cabinet variant only)	

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### Appendix to Certificate No: 1199a-(cl-1)

#### Issue: 04

#### **Carrier Fire & Security B.V.**

Certified Product	Description	LPCB Ref.No.
	ADP-N3S(Large cabinet variant only)2010-2-DACTWith ATS7310 (GSM module)2010-FS-EOLFault Supervision End of Line unit	
	<ul> <li>The above fire panels are certified with the following options with requirements from EN 54-2:</li> <li>7.8 Output to fire alarm devices</li> <li>7.9.1 Output to fire alarm routing equipment</li> <li>7.9.2 Alarm confirmation input from fire alarm routing equipment</li> <li>7.10 Output to fire protection equipment (Type A, B, and C)</li> <li>7.11 Delays to outputs</li> <li>7.12 Dependencies on more than one alarm signal (Type A, B and C)</li> <li>7.13 Alarm counter</li> <li>8.4 Total loss of the power supply</li> <li>8.9 Output to fault warning routing equipment</li> <li>9.5 Disablement of addressable points</li> <li>10 Test condition</li> </ul>	
	Notes: 1. Scope of approval does not include the operation of the network functionality 2. This product approval does not constitute compliance with the fire detection and alarm system requirements of EN54-13.	
ZP2-F2-FB2 ZP2-F2-FB2- PRT ZP2-F2-FB2-S	Intelligent Analogue Addressable Control and Indicating Equipment with User Interface with Fire Brigade Controls - 2 Loop Intelligent Analogue Addressable Control and Indicating Equipment with User Interface with Fire Brigade Controls - 2 Loop with Printer Intelligent Analogue Addressable Control and Indicating Equipment with User Interface with Fire Brigade Controls - 2 Loop Small Cabinet Incorporating the following units:	1199a/12
	2010-2F2-MB Main control board	

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## Appendix to Certificate No: 1199a-(cl-1)

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#### **Carrier Fire & Security B.V.**

Certified Product		Description	LPCB Ref.No.
	ZP2-UI-FB2	User interface control board	
	2010-2-PS-40 usin	g LRS-100-24 4A Power Supply	
		following optional modules:	
	ZP2-ZI-20	(20 Zone) (Large cabinet variant only)	
	ZP2-ZI-40	(40 Zone) (Large cabinet variant only)	
	ZP2-ZI-24-S	(24 Zone) (Small cabinet variant only)	
	2010-2-NB	Network card	
	ZP2-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-PRT	Door mounted printer module (ZP2-F2-FB2-PRT variant only)	
	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	(Large cabinet variant only)	
	ADP-N3S	(Large cabinet variant only)	
	2010-2-DACT	With ATS7310 (GSM module)	
	2010-FS-EOL	Fault Supervision End of Line unit	
	ZP2-D-FB2-TP	Translucent door option for large cabinet* (ZP2-F2-FB2	
		variant only)	
	ZP2-D-FB2-TP-S Translucent door option for large cabinet* (ZP2-F2-FB2-S variant only)		
	The above fire panels are certified with the following options with requirements from EN 54-2:		

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Issue: 04

#### **Carrier Fire & Security B.V.**

Certified Product	Description	LPCB Ref.No.	
<ul> <li>7.8 Output to fire alarm devices</li> <li>7.9.1 Output to fire alarm routing equipment</li> <li>7.9.2 Alarm confirmation input from fire alarm routing equipment</li> <li>7.10 Output to fire protection equipment (Type A, B, and C)</li> <li>7.11 Delays to outputs</li> <li>7.12 Dependencies on more than one alarm signal (Type A, B and C)</li> <li>7.13 Alarm counter</li> <li>8.4 Total loss of the power supply</li> <li>8.9 Output to fault warning routing equipment</li> <li>9.5 Disablement of addressable points</li> <li>10 Test condition</li> </ul>			
	<ul> <li>Notes:</li> <li>1. Scope of approval does not include the operation of the network functionality</li> <li>2. This product approval does not constitute compliance with the fire detection and alarm system requirements of EN54-13.</li> <li>3. *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: <ul> <li>i. A Zone indicator board to display the zones in alarm (to meet requirements of EN54-2 part 7.3)</li> <li>ii. A MCP (without program delay) fitted beside the panel to allow overriding of delays (to meet requirements of EN54-2 part 7.11)</li> </ul> </li> </ul>		
2X-F2-SCFB 2X-F2-SCFB-S	Intelligent Analogue Addressable Control and Indicating Equipment with User Interface with SS3654 Fire Brigade Controls - 2 Loop with Scandinavian Key Switch Intelligent Analogue Addressable Control and Indicating Equipment with User Interface with SS3654 Fire Brigade Controls – 2 Loop Small Cabinet with Scandinavian Key Switch Incorporating the following units:		
	2010-2F2-MBMain control board2X-UI-SCFBUser interface control board		

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## Appendix to Certificate No: 1199a-(cl-1)

LPCB Certified Description Product Ref.No. 2010-2-PS-40 using LRS-100-24 4A Power Supply Incorporating the following optional modules: (20 Zone) (Large cabinet variant only) 2X-ZI-20 (40 Zone) (Large cabinet variant only) 2X-ZI-40 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 UK mains cable for large cabinet 2010-2-PS-C2 2010-2-PS-C2-S UK mains cable for small cabinet 2010-2-PIB-80 Peripheral Interface Board 8 outputs (Large cabinet variant only) Peripheral Interface Board 8 inputs (Large cabinet variant 2010-2-PIB-8 only) 2010-2-PIB-8I80 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 panels are certified with the following options with requirements from EN 54-2: 7.8 Output to fire alarm devices 7.9.1 Output to fire alarm routing equipment 7.9.2 Alarm confirmation input from fire alarm routing equipment 7.10 Output to fire protection equipment (Type A, B, and C) 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 Disablement of addressable points

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Product	Description	Ref.No.
	10 Test condition	
	Notes:	
	1. Scope of approval does not include the operation of the network functionality	
	2. This product approval does not constitute compliance with the fire detection	
	and alarm system requirements of EN54-13.	
KFP-AF2- SCFB	Intelligent Analogue Addressable Control and Indicating Equipment with User Interface with SS3654 Fire Brigade Controls - 2 Loop with Scandinavian Key	1199a/13
KFP-AF2-	Switch	
SCFB-S	Intelligent Analogue Addressable Control and Indicating Equipment with User	
	Interface with SS3654 Fire Brigade Controls - 2 Loop Small Cabinet with	
	Scandinavian Key Switch	
	Incorporating the following units:	
	2010-2F2-MB Main control board	
	KFP-A-UI-SCFB User interface control board	
	2010-2-PS-40 using LRS-100-24 4A Power Supply	
	Incorporating the following optional modules:	
	KFP-A-ZI-20 (20 Zone) (Large cabinet variant only)	
	KFP-A-ZI-40 (40 Zone) (Large cabinet variant only)	
	2010-2-NB Network card	
	KFP-A-LBLoop Board (Large cabinet variant only)2010-2-232-KITInterface 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-PRT Door mounted printer module (KFP-A-F2-SCFB-PRT variant only)	
	2010-2-PIB-80 Peripheral Interface Board 8 outputs (Large cabinet variant	
	only)	

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Appendix to Certificate No: 1199a-(cl-1)

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	<ul> <li>The above fire panels are certified with the following options with requirements from EN 54-2:</li> <li>7.8 Output to fire alarm devices</li> <li>7.9.1 Output to fire alarm routing equipment</li> <li>7.9.2 Alarm confirmation input from fire alarm routing equipment</li> <li>7.10 Output to fire protection equipment (Type A, B, and C)</li> <li>7.11 Delays to outputs</li> <li>7.12 Dependencies on more than one alarm signal (Type A, B and C)</li> <li>7.13 Alarm counter</li> <li>8.4 Total loss of the power supply</li> <li>8.9 Output to fault warning routing equipment</li> <li>9.5 Disablement of addressable points</li> <li>10 Test condition</li> </ul>	
ZP2-F2-SCFB ZP2-F2-SCFB- S	<ul> <li>Notes:</li> <li>1. Scope of approval does not include the operation of the network functionality</li> <li>2. This product approval does not constitute compliance with the fire detection and alarm system requirements of EN54-13.</li> <li>Intelligent Analogue Addressable Control and Indicating Equipment with User Interface with SS3654 Fire Brigade Controls - 2 Loop with Scandinavian Key Switch</li> <li>Intelligent Analogue Addressable Control and Indicating Equipment with User Interface with SS3654 Fire Brigade Controls - 2 Loop Small Cabinet with Scandinavian Key Switch</li> </ul>	1199a/13

Description

Peripheral Interface Board 8 inputs (Large cabinet variant

Peripheral Interface Board 8 outputs and 8 inputs (Large

#### Appendix to Certificate No: 1199a-(cl-1) **Carrier Fire & Security B.V.**

2010-2-PIB-8I

2010-2-DACT 2010-FS-EOL

2010-2-PIB-8I80

only)

cabinet variant only)

With ATS7310 (GSM module)

Fault Supervision End of Line unit

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Product

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Product	Incorporating the followir	a units:	Ref.No
	2010-2F2-MB	Main control board	
	ZP2-UI-SCFB	User interface control board	
		00-24 4A Power Supply	
	Incorporating the followir	ng optional modules:	
	ZP2-ZI-20 (20 Z	one) (Large cabinet variant only)	
		one) (Large cabinet variant only)	
		ork card	
		Board (Large cabinet variant only)	
		ace board for external printer	
		ace board for external printer	
		dinavian key and lock assembly	
		ains cable for large cabinet ains cable for small cabinet	
		heral Interface Board 8 outputs (Large cabinet variant	
	only)	ieral interface board 8 outputs (Large cabinet variant	
		neral Interface Board 8 inputs (Large cabinet variant	
	only)	leral interface board o inputs (Earge cabinet variant	
		neral Interface Board 8 outputs and 8 inputs (Large	
		et variant only)	
	2010-2-DACT With	ATS7310 (GSM module)	
	2010-FS-EOL Fault	Supervision End of Line unit	
	The above fire panels are	certified with the following options with requirements	
	from EN 54-2:		
	7.8 Output to fire a		
		larm routing equipment	
		tion input from fire alarm routing equipment	
		protection equipment (Type A, B, and C)	
	7.11 Delays to outpu		
	7.12 Dependencies of	on more than one alarm signal (Type A, B and C)	

### Appendix to Certificate No: 1199a-(cl-1) **Carrier Fire & Security B.V.**

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BF1278A Rev.1.2

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### Appendix to Certificate No: 1199a-(cl-1)

### Carrier Fire & Security B.V.

Certified Product	Description	LPCB Ref.No.
	<ul> <li>7.13 Alarm counter</li> <li>8.4 Total loss of the power supply</li> <li>8.9 Output to fault warning routing equipment</li> <li>9.5 Disablement of addressable points</li> <li>10 Test condition</li> </ul>	
	Notes: 1. Scope of approval does not include the operation of the network functionality 2. This product approval does not constitute compliance with the fire detection and alarm system requirements of EN54-13.	
2X-E2 2X-E2-S	Intelligent Analogue Addressable Fire and Evacuation Control and Indicating Equipment with User Interface with Fire Brigade Controls - 2 Loop Intelligent Analogue Addressable Fire and Evacuation Control and Indicating Equipment with User Interface with Fire Brigade Controls - 2 Loop Small CabinetIncorporating the following units: 2010-2F2-MBMain control board User interface control board 2X-UI-E2X-UI-EUser interface control board 2010-2-PS-40 using LRS-100-24Incorporating the following optional modules: 2X-ZI-20(20 Zone) (Large cabinet variant only) 2X-ZI-402X-ZI-40(40 Zone) (Large cabinet variant only) 2010-2-NB2X-LBLoop Board (Large cabinet variant only) 2010-2-232-KIT2010-2-PS-C2UK mains cable for large cabinet 2010-2-PS-C2-S2010-2-PF-C2UK mains cable for small cabinet 2010-2-PIB-802010-2-PIB-80Peripheral Interface Board 8 outputs (Large cabinet variant only)	1199a/14

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### Issue: 04

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### **Carrier Fire & Security B.V.**

Certified Product	Description		
	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 2X-D-E-TP-S	Translucent door option for large cabinet*	
	2010-FS-EOL	Translucent door option for large cabinet* Fault Supervision End of Line unit	
		radit supervision end of ente ante	
	The above fire part from EN 54-2:	nels are certified with the following options with requirements	
		to fire alarm devices	
	7.9.1 Output	to fire alarm routing equipment	
		confirmation input from fire alarm routing equipment	
		to fire protection equipment (Type A, B, and C) to outputs	
	7.12 Depend	lencies on more than one alarm signal (Type A, B and C)	
	7.13 Alarm o		
		ss of the power supply to fault warning routing equipment	
		ment of addressable points	
	10 Test co	ndition	
	Notes:		
		pproval does not constitute compliance with the fire detection	
		s requirements of EN 54-13. oproval does not indicate the operation of the network	
	functionality.	sproval does not indicate the operation of the network	
	3. Available with	the following language kits: -	
		e Netherlands, 02 French (FR) France, 03 English (UK) United	
		and, 04 German (DE) Germany, 05 Norwegian Norway, 06 07 Danish (DK) Denmark, 08 English (AU) Australia, 09 Spanish	

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### Issue: 04

### **Carrier Fire & Security B.V.**

Certified Product	Description	LPCB Ref.No.
	<ul> <li>Spain, 10 Italian Italy, 11 Dutch (BE) Belgium, 12 Irish Ireland, 13 German (AU) German (Austria), 14 Greek Greece, 15 Arabic Middle East, 17 English (US) United States of America, 18 Polish Poland, 19 Turkish Turkey, 20 Czech Czech Republic, 21 Portuguese Portugal, 22 Hungarian Hungary, 23 Danish (IC) Iceland, 24</li> <li>Slovakian Slovak Republic, 25 Russian Russia, 27 Lithuanian Lithuania, 28 Finnish Finland, 29 German (SW) Switzerland, 30 Estonian Estonia, 31 Latvian Latvia, 32</li> <li>French (BE) Belgium, 33 French (SW) Switzerland, 34 Italian (SW) Switzerland, 36</li> <li>French (Int) International French, 40 Bulgarian Bulgaria, 41 Belarusian Belarus, 43</li> <li>Ukrainian Ukraine, 44 Serbian Serbia, 45 Romanian (RO) Romania, 46 German (Int) International German, 48 Croatian Croatia, 49 Macedonian Macedonia, 50</li> <li>Slovenian Slovenia, 51 Hebrew Israel, 71 Catalan Catalonia (Spain), 80 Chinese China, 99 English (Int) International English</li> <li>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: <ul> <li>i. A Zone indicator board to display the zones in alarm (to meet requirements of EN54-2 part 7.3)</li> <li>ii. A MCP (without program delay) fitted beside the panel to allow overriding of delays (to meet requirements of EN54-2 part 7.11)</li> </ul> </li> </ul>	
KFP-AE2-S	Intelligent Analogue Addressable Fire and Evacuation Control and Indicating Equipment with User Interface with Fire Brigade Controls - 2 Loop Small CabinetIncorporating the following units: 2010-2F2-MBMain control board User interface control board 2010-2-PS-40 using LRS-100-24Incorporating the following optional modules: KFP-A-ZI-20(20 Zone) (Large cabinet variant only) (KFP-A-ZI-40KFP-A-ZI-24-S(24 Zone) (Small cabinet variant only) 2010-2-NBKFP-A-LBLoop Board (Large cabinet variant only)	1199a/14

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Certified Product	Description		
	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-8180	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	
	from EN 54-2:         7.8       Output         7.9.1       Output         7.9.2       Alarm co         7.10       Output         7.11       Delays t         7.12       Depender         7.13       Alarm co         8.4       Total loss         8.9       Output	ss of the power supply to fault warning routing equipment nent of addressable points	
	and alarm systems 2. Scope of the ap functionality.	proval does not constitute compliance with the fire detection requirements of EN 54-13. proval does not indicate the operation of the network he following language kit options:	

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### Appendix to Certificate No: 1199a-(cl-1)

### Issue: 04

### **Carrier Fire & Security B.V.**

Certified Product	Description	LPCB Ref.No.
	01 Dutch (NL) The Netherlands, 02 French (FR) France, 03 English (UK) United Kingdom and Ireland, 04 German (DE) Germany, 05 Norwegian Norway, 06 Swedish Sweden, 07 Danish (DK) Denmark, 08 English (AU) Australia, 09 Spanish Spain, 10 Italian Italy, 11 Dutch (BE) Belgium, 12 Irish Ireland, 13 German (AU) German (Austria), 14 Greek Greece, 15 Arabic Middle East, 17 English (US) United States of America, 18 Polish Poland, 19 Turkish Turkey, 20 Czech Czech Republic, 21 Portuguese Portugal, 22 Hungarian Hungary, 23 Danish (IC) Iceland, 24 Slovakian Slovak Republic, 25 Russian Russia, 27 Lithuanian Lithuania, 28 Finnish Finland, 29 German (SW) Switzerland, 30 Estonian Estonia, 31 Latvian Latvia, 32 French (BE) Belgium, 33 French (SW) Switzerland, 34 Italian (SW) Switzerland, 36 French (Int) International French, 40 Bulgarian Bulgaria, 41 Belarusian Belarus, 43 Ukrainian Ukraine, 44 Serbian Serbia, 45 Romanian (RO) Romania, 46 German (Int) International German, 48 Croatian Croatia, 49 Macedonian Macedonia, 50 Slovenian Slovenia, 51 Hebrew Israel, 71 Catalan Catalonia (Spain), 80 Chinese China, 99 English (Int) International English.	
ZP2-E2 ZP2-E2-S	Intelligent Analogue Addressable Fire and Evacuation Control and IndicatingEquipment with User Interface with Fire Brigade Controls - 2 LoopIntelligent Analogue Addressable Fire and Evacuation Control and IndicatingEquipment with User Interface with Fire Brigade Controls - 2 Loop Small CabinetIncorporating the following units:2010-2F2-MBMain control boardZP2-UI-EUser interface control board2010-2-PS-40 using LRS-100-244A Power SupplyIncorporating the following optional modules:ZP2-ZI-20(20 Zone) (Large cabinet variant only)ZP2-ZI-40(40 Zone) (Small cabinet variant only)ZP2-ZI-24-S(24 Zone) (Small cabinet variant only)2010-2-NBNetwork cardZP2-LBLoop Board (Large cabinet variant only)	1199a/14

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Issue: 04

### **Carrier Fire & Security B.V.**

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Certified Product		Description	LPCB Ref.No.
	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	
	2010-2-PIB-8I	only) Derinheral Interface Deard & inputs (Large cohinet variant	
	2010-2-918-81	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	
	ZP2-D-E-TP	Translucent door option for large cabinet*	
	ZP2-D-E-TP-S	Translucent door option for large cabinet*	
	from EN 54-2:           7.8         Output           7.9.1         Output           7.9.2         Alarm c           7.10         Output           7.11         Delays t           7.12         Depend           7.13         Alarm c           8.4         Total loss           8.9         Output	ss of the power supply to fault warning routing equipment ment of addressable points	
		proval does not constitute compliance with the fire detection srequirements of EN 54-13.	

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### Issue: 04

### **Carrier Fire & Security B.V.**

Certified Product	Description			
	<ol> <li>Scope of the approval does not indicate the operation of the network functionality</li> <li>Available with the following language kits:</li> <li>Dutch (NL) The Netherlands, 02 French (FR) France, 03 English (UK) United Kingdom and Ireland, 04 German (DE) Germany, 05 Norwegian Norway, 06 Swedish Sweden, 07 Danish (DK) Denmark, 08 English (AU) Australia, 09 Spanish Spain, 10 Italian Italy, 11 Dutch (BE) Belgium, 12 Irish Ireland, 13 German (AU) German (Austria), 14 Greek Greece, 15 Arabic Middle East, 17 English (US) United States of America, 18 Polish Poland, 19 Turkish Turkey, 20 Czech Czech Republic, 21 Portuguese Portugal, 22 Hungarian Hungary, 23 Danish (IC) Iceland, 24 Slovakian Slovak Republic, 25 Russian Russia, 27 Lithuanian Lithuania, 28 Finnish Finland, 29 German (SW) Switzerland, 30 Estonian Estonia, 31 Latvian Latvia, 32 French (BE) Belgium, 33 French (SW) Switzerland, 34 Italian (SW) Switzerland, 36 French (Int) International French, 40 Bulgarian Bulgaria, 41 Belarusian Belarus, 43 Ukrainian Ukraine, 44 Serbian Serbia, 45 Romanian (RO) Romania, 46 German (Int) International German, 48 Croatian Croatia, 49 Macedonian Macedonia, 50 Slovenian Slovenia, 51 Hebrew Israel, 71 Catalan Catalonia (Spain), 80 Chinese China, 99 English (Int) International English</li> <li>* 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:         <ul> <li>A Zone indicator board to display the zones in alarm (to meet requirements of EN54-2 part 7.3)</li> <li>A MCP (without program delay) fitted beside the panel to allow overriding of delays (to meet requirements of EN54-2 part 7.11).</li> </ul> </li></ol>			
-FR -FR-S	Intelligent Analogue Addressable Control and Indicating Equipment Repeater Intelligent Analogue Addressable Control and Indicating Equipment Repeater Small Cabinet			
	Incorporating the following units:2010-2FR-MBMain control board2X-UIUser interface control board2010-2-PS-40 using LRS-100-244A Power Supply			

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	only) 2010-2-PIB-8I Peripheral Interface Board 8 inputs (Large cabinet variant only)	
	2010-2-PIB-8I80 Peripheral Interface Board 8 outputs (Large cabinet variant only) cabinet variant only)	
	2010-2-DACTWith ATS7310 (GSM module)2X-D-TPTranslucent door option for large cabinet*2X-D-TP-STranslucent door option for small cabinet*2010-FS-EOLFault Supervision End of Line unit	
	Note: Compatible with the following CIE - 2X-F1	
KFP-A-FR KFP-A-FR-S	Intelligent Analogue Addressable Control and Indicating Equipment Repeater Intelligent Analogue Addressable Control and Indicating Equipment Repeater Small Cabinet	1199a/R01
	Incorporating the following optional modules:	

Description

(20 Zone) (Large cabinet variant only)

(40 Zone) (Large cabinet variant only)

(24 Zone) (Small cabinet variant only)

Loop Board (Large cabinet variant only)

Peripheral Interface Board 8 outputs (Large cabinet variant

UK mains cable for large cabinet

### **Carrier Fire & Security B.V.**

2X-ZI-20

2X-ZI-40

2X-LB

2X-ZI-24-S

2010-2-NB

2010-2-PS-C2

2010-2-PIB-80

Appendix to Certificate No: 1199a-(cl-1)

Incorporating the following optional modules:

Network card

2010-2-232-KIT Interface board for external printer

2010-2-PS-C2-S UK mains cable for small cabinet

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	2010 2 15 C2	UK mains cable for small sabinet	
	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)	
	2010-FS-EOL	Fault Supervision End of Line unit	
	Note:		
		he following CIE - KFP-AF1	
ZP2-FR		ue Addressable Control and Indicating Equipment Repeater	1199a/R01
ZP2-FR-S		ue Addressable Control and Indicating Equipment Repeater	
	Small Cabinet		
	Incorporating the f		
	2010-2FR-MB	Main control board	
	ZP2-UI	User interface control board	
	2010-2-PS-40 usin	g LRS-100-24 4A Power Supply	
		following optional modules:	
	ZP2-ZI-20	(20 Zone) (Large cabinet variant only)	
	ZP2-ZI-40	(40 Zone) (Large cabinet variant only)	
	ZP2-ZI-24-S	(24 Zone) (Small cabinet variant only)	

Description

(20 Zone) (Large cabinet variant only)

(40 Zone) (Large cabinet variant only)

(24 Zone) (Small cabinet variant only)

Interface board for external printer

UK mains cable for large cabinet

Loop Board (Large cabinet variant only)

Network card

#### **Carrier Fire & Security B.V.**

KFP-A-ZI-20

KFP-A-ZI-40

2010-2-NB

KFP-A-LB

KFP-A-ZI-24-S

2010-2-232-KIT

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2010-2-PS-C2

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### Appendix to Certificate No: 1199a-(cl-1) Carrier Fire & Security B.V.

Certified Product		Description	LPCB Ref.No.
	2010-2-NB ZP2-LB 2010-2-P3-C2 2010-2-P5-C2 2010-2-PIB-80 2010-2-PIB-81 2010-2-PIB-8180 2010-2-PIB-8180 2010-2-DIB-8180 2010-2-DACT 2010-FS-EOL ZP2-D-TP ZP2-D-TP-S	Network card Loop Board (Large cabinet variant only) Interface board for external printer UK mains cable for large cabinet UK mains cable for small cabinet Peripheral Interface Board 8 outputs (Large cabinet variant only) Peripheral Interface Board 8 inputs (Large cabinet variant only) Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only) With ATS7310 (GSM module) Fault Supervision End of Line unit Translucent door option for large cabinet* Translucent door option for small cabinet*	
2X-FR-FB2 2X-FR-FB2-S	Note: Compatible with tl Intelligent Analogu Fire Brigade Contro	ne following CIE - ZP2-F1 le Addressable Control and Indicating Equipment Repeater with ols le Addressable Control and Indicating Equipment Repeater with ols Small Cabinet following units: Main control board User interface control board	1199a/R02
	Incorporating the f 2X-ZI-20 2X-ZI-40 2X-ZI-24-S	ollowing optional modules: (20 Zone) (Large cabinet variant only) (40 Zone) (Large cabinet variant only) (24 Zone) (Small cabinet variant only)	

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Certified Product	Description		LPCB Ref.No.
	2010-2-NB 2X-LB 2010-2-232-KIT 2010-2-PS-C2 2010-2-PS-C2-S 2010-2-PIB 2010-2-PIB-80 2010-2-PIB-8I	Network card Loop Board (Large cabinet variant only) Interface board for external printer UK mains cable for large cabinet UK mains cable for small cabinet Peripheral Interface Board (Germany) (Large cabinet variant only) Peripheral Interface Board 8 outputs (Large cabinet variant only) Peripheral Interface Board 8 inputs (Large cabinet variant only)	
	2010-2-PIB-8I8O ADP-N3E-U IFAM ADP-N3S 2010-2-DACT 2X-D-FB2-TP 2X-D-FB2-TP-S 2010-FS-EOL Note:	Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only) Interface card (master) (Large cabinet variant only) Interface card (slave) (Large cabinet variant only) With ATS7310 (GSM module) Translucent door option for large cabinet* Translucent door option for small cabinet* Fault Supervision End of Line unit	
KFP-A-FR-FB2 KFP-A-FR- FB2-S	Intelligent Analogue Fire Brigade Contro	e Addressable Control and Indicating Equipment Repeater with Is Small Cabinet	1199a/R02
	2010-2FR-MB KFP-A-UI-FB2 2010-2-PS-40 using	Main control board User interface control board	

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### Appendix to Certificate No: 1199a-(cl-1)

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### **Carrier Fire & Security B.V.**

Certified Product	Description	
	Incorporating the following optional modules: KFP-A-ZI-20 (20 Zone) (Large cabinet variant only) KFP-A-ZI-24 (40 Zone) (Large cabinet variant only) KFP-A-ZI-24-S (24 Zone) (Small cabinet variant only) 2010-2-NB Network card KFP-A-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-81 Peripheral Interface Board 8 inputs (Large cabinet variant only) 2010-2-PIB-880 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) 2010-FS-EOL Fault Supervision End of Line unit Note: Compatible with the following CIE - KFP-AF1-FB2	
ZP2-FR-FB2 ZP2-FR-FB2-S	Intelligent Analogue Addressable Control and Indicating Equipment Repeater with Fire Brigade Controls Intelligent Analogue Addressable Control and Indicating Equipment Repeater with Fire Brigade Controls Small Cabinet Incorporating the following units: 2010-2FR-MB Main control board	1199a/R02
	ZP2-UI-FB2   User interface control board	

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### Appendix to Certificate No: 1199a-(cl-1) Carrier Fire & Security B.V.

LPCB Certified Description Ref.No. Product 2010-2-PS-40 using LRS-100-24 4A Power Supply Incorporating the following optional modules: (20 Zone) (Large cabinet variant only) ZP2-ZI-20 ZP2-ZI-40 (40 Zone) (Large cabinet variant only) ZP2-ZI-24-S (24 Zone) (Small cabinet variant only) 2010-2-NB Network card ZP2-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-8I80 Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only) ADP-N3E-U IFAM Interface card (master) (Large cabinet variant only) Interface card (slave) (Large cabinet variant only) ADP-N3S 2010-2-DACT With ATS7310 (GSM module) 2010 - FS-EOL Fault Supervision End of Line unit 7P2-D-FB2-TP Translucent door option for large cabinet\* ZP2-D-FB2-TP-S Translucent door option for small cabinet\* Note: Compatible with the following CIE - ZP2-F1-FB2 2X-ER Intelligent Analogue Addressable Fire and Evacuation Control and Indicating 1199a/R04 2X-ER-S Equipment Repeater with Fire Brigade Controls Intelligent Analogue Addressable Fire and Evacuation Control and Indicating Equipment Repeater with Fire Brigade Controls Small Cabinet

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E.Martin

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# Appendix to Certificate No: 1199a-(cl-1)

## Issue: 04

**Carrier Fire & Security B.V.** 

Certified Product	Description	LPCB Ref.Nc
	Incorporating the following units:2010-2FR-MBMain control board2X-UI-EUser interface control board2010-2-PS-40 using LRS-100-244A Power SupplyIncorporating the following optional modules:2X-ZI-20(20 Zone) (Large cabinet variant only)2X-ZI-40(40 Zone) (Large cabinet variant only)2X-ZI-45(24 Zone) (Small cabinet variant only)2010-2-NBNetwork card2X-LBLoop Board (Large cabinet variant only)2010-2-PS-C2UK mains cable for large cabinet2010-2-PS-C2UK mains cable for small cabinet2010-2-PIB-80Peripheral Interface Board 8 outputs (Large cabinet variant only)2010-2-PIB-81Peripheral Interface Board 8 inputs (Large cabinet variant only)2010-2-PIB-81Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only)2010-2-PIB-81Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only)2010-2-PIB-81Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only)2010-2-PIB-81Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only)2010-2-PIB-81Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only)2010-2-PIB-81Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only)2010-2-PIB-81Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only)2010-2-PIB-81Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only)2010-2-PIB-81Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet varian	
	Note 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:	

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### Appendix to Certificate No: 1199a-(cl-1)

### Carrier Fire & Security B.V.

	Certified Product		Description	LPCB Ref.No.
		i. A Zone indicator board to display the zones in alarm (to meet		
			ements of EN54-2 part 7.3)	
			CP fitted beside the panel to allow overriding of delays (to meet ements of EN54-2 part 7.11)	
			e with the following CIE - 2X-E1	
ŀ	KFP-A-ER		e Addressable Fire and Evacuation Control and Indicating	1199a/R04
	KFP-A-ER-S	Equipment Repeate	er with Fire Brigade Controls	11990/10-
			e Addressable Fire and Evacuation Control and Indicating	
		Equipment Repeate	er with Fire Brigade Controls Small Cabinet	
		Incorporating the f		
		2010-2FR-MB	Main control board	
		KFP-A-UI-E	User interface control board	
		2010-2-PS-40 using	g LRS-100-24 4A Power Supply	
		KFP-A-ZI-20	ollowing optional modules:	
		KFP-A-ZI-40	(20 Zone) (Large cabinet variant only) (40 Zone) (Large cabinet variant only)	
		KFP-A-ZI-24-S	(24 Zone) (Small cabinet variant only)	
		2010-2-NB	Network card	
		KFP-A-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)	
L		2010-FS-EOL	Fault Supervision End of Line unit	

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#### BF1278A Rev.1.2

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### **Carrier Fire & Security B.V.**

Certified Product	Description	LPCB Ref.No.	
	Note: Compatible with the following CIE - KFP-AE1		
ZP2-ER ZP2-ER-S	Intelligent Analogue Addressable Fire and Evacuation Control and Indicating Equipment Repeater with Fire Brigade Controls Intelligent Analogue Addressable Fire and Evacuation Control and Indicating Equipment Repeater with Fire Brigade Controls Small CabinetIncorporating the following units: 2010-2FR-MBMain control board User interface control board 2010-2-PS-40 using LRS-100-24Incorporating the following optional modules: ZP2-ZI-20(20 Zone) (Large cabinet variant only) ZP2-ZI-40Incorporating the following optional modules: ZP2-ZI-40(40 Zone) (Large cabinet variant only) ZP2-ZI-45ZP2-LBLoop Board (Large cabinet variant only) 2010-2-NBNetwork card ZP2-LBLoop Board (Large cabinet variant only)2010-2-PS-C2UK mains cable for large cabinet 	1199a/R04	
	only)2010-2-PIB-8I8OPeripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only)2010-2-DACTWith ATS7310 (GSM module)2010-FS-EOLFault Supervision End of Line unitZP2-D-E-TPTranslucent door option for large cabinet*		

## Appendix to Certificate No: 1199a-(cl-1)

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### Appendix to Certificate No: 1199a-(cl-1)

### **Carrier Fire & Security B.V.**

Certified Product		Description	LPCB Ref.No.	
	ZP2-D-E-TP-S T	ranslucent door option for small cabinet		
		following CIE - ZP2-F1-SC		
2X-FR-SCFB 2X-FR-SCFB-S	Intelligent Analogue A SS3654 Fire Brigade C Intelligent Analogue A SS3654 Fire Brigade C Incorporating the follo 2010-2FR-MB 2X-UI-SCFB 2010-2-PS-40 using L Incorporating the follo 2X-ZI-20 (2 2X-ZI-40 (2 2X-ZI-40 (2 2010-2-NB N 2X-LB La 2010-2-232-KIT Ir 2010-SK Sc 2010-2-PS-C2 U 2010-2-PS-C2 U	Addressable Control and Indicating Equipment Repeater with Controls with Scandinavian Key Switch Addressable Control and Indicating Equipment Repeater with Controls Small Cabinet with Scandinavian Key Switch owing units: Main control board User interface control board RS-100-24 4A Power Supply owing optional modules: 20 Zone) (Large cabinet variant only) 40 Zone) (Large cabinet variant only) Jetwork card oop Board (Large cabinet variant only) hterface board for external printer candinavian key and lock assembly JK mains cable for large cabinet JK mains cable for small cabinet	1199a/R05	
	0	eripheral Interface Board 8 outputs (Large cabinet variant only)		
		eripheral Interface Board 8 inputs (Large cabinet variant nly)		
	2010-2-PIB-8I80 P	Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only)		
		ault Supervision End of Line unit		
	Note:			

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### **Carrier Fire & Security B.V.**

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Certified Product	Description	LPCB Ref.No.
	Compatible with the following CIE - 2X-F1-SCFB	
KFP-A-FR- SCFB KFP-A-FR- SCFB-S	Intelligent Analogue Addressable Control and Indicating Equipment Repeater with SS3654 Fire Brigade Controls with Scandinavian Key Switch Intelligent Analogue Addressable Control and Indicating Equipment Repeater with SS3654 Fire Brigade Controls Small Cabinet with Scandinavian Key Switch	1199a/R05
	Incorporating the following units:2010-2FR-MBMain control boardKFP-A-UI-SCFBUser interface control board2010-2-PS-40 using LRS-100-244A Power Supply	
	Incorporating the following optional modules:KFP-A-ZI-20(20 Zone) (Large cabinet variant only)KFP-A-ZI-40(40 Zone) (Large cabinet variant only)2010-2-NBNetwork cardKFP-A-LBLoop Board (Large cabinet variant only)2010-2-232-KITInterface board for external printer2010-2-PS-C2UK mains cable for large cabinet2010-2-PS-C2UK mains cable for small cabinet2010-2-PIB-80Peripheral Interface Board 8 outputs (Large cabinet variant only)2010-2-PIB-81Peripheral Interface Board 8 outputs (Large cabinet variant only)2010-2-PIB-8180Peripheral Interface Board 8 outputs (Large cabinet variant only)2010-2-PIB-8180Peripheral Interface Board 8 outputs (Large cabinet variant only)2010-2-PIB-810Peripheral Interface Board 8 inputs (Large cabinet variant only)2010-2-PIB-810Peripheral Interface Board 8 inputs (Large cabinet variant only)2010-2-PIB-8180Peripheral Interface Board 8 inputs (Large cabinet variant only)2010-2-PIB-8180Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only)2010-2-PIB-8180Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only)2010-2-DACTWith ATS7310 (GSM module)2010-FS-EOLFault Supervision End of Line unit	
	Note: Compatible with the following CIE - KFP-AF1-SCFB	

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### Appendix to Certificate No: 1199a-(cl-1)

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### **Carrier Fire & Security B.V.**

Certified Product	Description	LPCB Ref.No.
ZP2-FR-SCFB ZP2-FR-SCFB- S	Intelligent Analogue Addressable Control and Indicating Equipment Repeater with SS3654 Fire Brigade Controls with Scandinavian Key Switch Intelligent Analogue Addressable Control and Indicating Equipment Repeater with SS3654 Fire Brigade Controls Small Cabinet with Scandinavian Key Switch	1199a/R05
	Incorporating the following units:2010-2FR-MBMain control boardZP2-UI-SCFBUser interface control board2010-2-PS-40 using LRS-100-244A Power Supply	
	Incorporating the following optional modules:ZP2-ZI-20(20 Zone) (Large cabinet variant only)ZP2-ZI-40(40 Zone) (Large cabinet variant only)2010-2-NBNetwork cardZP2-LBLoop Board (Large cabinet variant only)2010-2-232-KITInterface board for external printer2010-SKScandinavian key and lock assembly2010-2-PS-C2UK mains cable for large cabinet2010-2-PIB-80Peripheral Interface Board 8 outputs (Large cabinet variant only)2010-2-PIB-81Peripheral Interface Board 8 inputs (Large cabinet variant only)2010-2-PIB-81Peripheral Interface Board 8 outputs and 8 inputs (Large cabinet variant only)2010-2-DACTWith ATS7310 (GSM module)2010-FS-EOLFault Supervision End of Line unitNote:Compatible with the following CIE - ZP2-F1-SCFB.	

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