

# Certificate of Product Approval

Certificate Number: 1199b-(cl-1) Issue: 03



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

Kelvinstraat 7 NL-6003 DH Weert Netherlands

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

#### **Products**

Control and Indicating Equipment

1X-F Range of CIE's KFP-CF Range of CIE's ZP1-F Range of CIE's

#### **Standards**

EN 54-2:1997 + A1:2006

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

(Refer to Appendix for details)

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Signed for BRE Global Ltd

P. Halligan

9 May 2022

5 March 2013

Date of First Iss





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#### Issue: 03

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

Certified Product		Description	LPCB Ref.No.
1X-F2 1X-F2-SC	Conventional Two Zone Control and Indicating Equipment Conventional Two Zone Control and Indicating Equipment with Scandinavian Key Switch		1199b/01
	Incorporating the following uni	ts:	
	1X-F2-MB	Main control board	
	2010-1-RB	Optional relay board	
	2010-1-SB	Optional expander I/O board	
	2010-1-NB	Optional Network board	
	2010-PS-20 using LRS-75-24	2A Power Supply	
	2010-SK	Scandinavian Key Lock and Key (Applicable to 'SC' variant)	
	Certified with the following op: 7.8 Output to fire alarm 7.11 Delays to outputs 8.4 Total loss of the pow 10 Test condition		
	and alarm systems requirement	nclude the operation of the network functionality.	

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Issue: 03

## **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		
KFP-CF2	Conventional Two Zone Contr	ol and Indicating Equipment	1199b/01
KFP-CF2-SC	Conventional Two Zone Contr Switch	ol and Indicating Equipment with Scandinavian Key	
	Incorporating the following un	its:	
	KFP-CF2-MB	Main control board	
	2010-1-RB	Optional relay board	
	2010-1-SB	Optional expander I/O board	
	2010-1-NB	Optional Network board	
	2010-PS-20 using LRS-75-24	2A Power Supply	
	2010-SK	Scandinavian Key Lock and Key (Applicable to 'SC' variant)	
	Certified with the following or	otions with requirements from EN 54-2:	

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Certified Product	Description	LPCB Ref.No.
	7.8 Output to fire alarm device(s)	
	7.11 Delays to outputs	
	8.4 Total loss of the power supply	
	10 Test condition	
	Notes:	
	1) This product approval does not constitute compliance with the fire detection and alarm systems requirements of EN 54-13.	
	<ul><li>2) Scope of approval does not include the operation of the network functionality.</li><li>3) Available with the following language kits:</li></ul>	
	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	
ZP1-F2 ZP1-F2-SC	Conventional Two Zone Control and Indicating Equipment	1199b/01

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

Certified Product		Description	LPCB Ref.No.
	Conventional Two Zone Contr Switch	ol and Indicating Equipment with Scandinavian Key	
	Incorporating the following un	iits:	
	1X-F2-MB	Main control board	
	2010-1-RB	Optional relay board	
	2010-1-SB	Optional expander I/O board	
	2010-1-NB	Optional Network board	
	2010-PS-20 using LRS-75-24	2A Power Supply	
	2010-SK	Scandinavian Key Lock and Key (Applicable to 'SC' variant)	
	Certified with the following op 7.8 Output to fire alarm 7.11 Delays to outputs 8.4 Total loss of the pow 10 Test condition		
	Notes:  1) This product approval does and alarm systems requiremen	not constitute compliance with the fire detection its of EN 54-13.	
	2) Scope of approval does not	include the operation of the network functionality.	
	3) Available with the following	language kits:	
	Kingdom and Ireland, 04 Gern Swedish Sweden, 07 Danish (E	s, 02 French (FR) France , 03 English (UK) United nan (DE) Germany, 05 Norwegian Norway, 06 DK) Denmark, 08 English (AU) Australia, 09 Spanish h (BE) Belgium, 12 Irish Ireland, 13 German (AU)	

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Issue: 03

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

Certified Product		Description	LPCB Ref.No.
	States of America, 18 Polish Polish Polish Polish Polish Portuguese Portugal, 22 Hu Slovakian Slovak Republic, 25 Finland, 29 German (SW) Switterench (BE) Belgium, 33 French French (Int) International French Ukrainian Ukraine, 44 Serbian (Int) International German, 48	reece, 15 Arabic Middle East, 17 English (US) United bland, 19 Turkish Turkey, 20 Czech Czech Republic, Ingarian Hungary, 23 Danish (IC) Iceland, 24 Russian Russia, 27 Lithuanian Lithuania, 28 Finnish zerland, 30 Estonian Estonia, 31 Latvian Latvia, 32 n (SW) Switzerland, 34 Italian (SW) Switzerland, 36 h, 40 Bulgarian Bulgaria, 41 Belarusian Belarus, 43 Serbia, 45 Romanian (RO) Romania, 46 German Croatian Croatia, 49 Macedonian Macedonia, 50 r Israel, 71 Catalan Catalonia (Spain), 80 Chinese ional English	
1X-F4 1X-F4-NL 1X-F4-SC	Conventional Four Zone Control and Indicating Equipment Conventional Four Zone Control and Indicating Equipment Conventional Four Zone Control and Indicating Equipment with Scandinavian Key Switch		
	Incorporating the following un	its:	
	1X-F4-MB	Main control board	
	2010-1-RB	Optional relay board	
	2010-1-SB	Expander I/O board	
	2010-1-NB	Optional Network board	
	2010-PS-20 using LRS-75-24	2A Power Supply	
	2010-1-AC	Alarm Counter (Applicable to 'NL' variant)	
	2010-SK	Scandinavian Key Lock and Key (Applicable to 'SC' variant)	
	Certified with the following op 7.8 Output to fire alarm	otions with requirements from EN 54-2: device(s)	

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

Certified Product		Description	LPCB Ref.No.
	7.9.1	Output to fire alarm routing equipment	
	7.9.2	Alarm confirmation input from fire alarm routing equipment	
	7.11	Delays to outputs	
	7.13	Alarm counter (Applicable to 'NL' variant only)	
	8.4	Total loss of the power supply	
	10	Test condition	
		tified with the following options with requirements from EN 54-2 when red in the NEN operating mode:	
	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	
	7.10.1	Output to fire protection equipment -Type A	
	7.11	Delays to outputs - Applicable to fire alarm routing equipment only	
	7.13	Alarm counter (Applicable to 'NL' variant only)	
	8.4	Total loss of the power supply	
	8.9	Output to fault warning routing equipment	
	10	Test condition	
	Notes:		
		product approval does not constitute compliance with the fire detection m systems requirements of EN 54-13.	
	2) Scope	e of approval does not include the operation of the network functionality.	
	3) Availa	able with the following language kits:	
	Kingdor	th (NL) The Netherlands, 02 French (FR) France , 03 English (UK) United m and Ireland, 04 German (DE) Germany, 05 Norwegian Norway, 06 sweden, 07 Danish (DK) Denmark, 08 English (AU) Australia, 09 Spanish	

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	German (Austria), 14 Greek Gi States of America, 18 Polish Po 21 Portuguese Portugal, 22 Hu Slovakian Slovak Republic, 25 Finland, 29 German (SW) Swit French (BE) Belgium, 33 French French (Int) International French Ukrainian Ukraine, 44 Serbian (Int) International German, 48	h (BE) Belgium, 12 Irish Ireland, 13 German (AU) reece, 15 Arabic Middle East, 17 English (US) United pland, 19 Turkish Turkey, 20 Czech Czech Republic, ungarian Hungary, 23 Danish (IC) Iceland, 24 Russian Russia, 27 Lithuanian Lithuania, 28 Finnish zerland, 30 Estonian Estonia, 31 Latvian Latvia, 32 in (SW) Switzerland, 34 Italian (SW) Switzerland, 36 in, 40 Bulgarian Bulgaria, 41 Belarusian Belarus, 43 Serbia, 45 Romanian (RO) Romania, 46 German Croatian Croatia, 49 Macedonian Macedonia, 50 in Israel, 71 Catalan Catalonia (Spain), 80 Chinese cional English	
KFP-CF4-NL KFP-CF4-SC	Conventional Four Zone Control and Indicating Equipment Conventional Four Zone Control and Indicating Equipment Conventional Four Zone Control and Indicating Equipment with Scandinavian Key Switch		1199b/02
	Incorporating the following ur	its:	
	KFP-CF4-MB	Main control board	
	2010-1-RB	Optional relay board	
	2010-1-SB	Expander I/O board	
	2010-1-NB	Optional Network board	
	2010-PS-20 using LRS-75-24	2A Power Supply	
	2010-1-AC	Alarm Counter (Applicable to 'NL' variant)	
	2010-SK	Scandinavian Key Lock and Key (Applicable to 'SC' variant)	
	Certified with the following or	otions with requirements from EN 54-2:	

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

Certified Product	Description	LPCB Ref.No.
	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	
	7.11 Delays to outputs	
	7.13 Alarm counter (Applicable to 'NL' variant only)	
	8.4 Total loss of the power supply	
	10 Test condition	
	Also certified with the following options with requirements from EN 54-2 when configured in the NEN operating mode:	
	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	
	7.10.1 Output to fire protection equipment -Type A	
	7.11 Delays to outputs - Applicable to fire alarm routing equipment only	
	7.13 Alarm counter (Applicable to 'NL' variant only)	
	8.4 Total loss of the power supply	
	8.9 Output to fault warning routing equipment	
	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 approval does not include the operation of the network functionality.	
	3) Available with the following language kits:	

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ZP1-F4	Conventional Four Zone Contro	l and Indicating Equipment	1199b/02
ZP1-F4-NL	Conventional Four Zone Contro	l and Indicating Equipment	
ZP1-F4-SC	Conventional Four Zone Contro Switch	l and Indicating Equipment with Scandinavian Key	
	Incorporating the following unit	cs:	
	1X-F4-MB	Main control board	
	2010-1-RB	Optional relay board	
	2010-1-SB	Expander I/O board	
	2010-1-NB	Optional Network board	
	2010-PS-20 using LRS-75-24	2A Power Supply	
	2010-1-AC	Alarm Counter (Applicable to 'NL' variant)	
	2010-SK	Scandinavian Key Lock and Key (Applicable to 'SC' variant)	

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

Certified Product	Description	LPCB Ref.No.
	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 7.11 Delays to outputs 7.13 Alarm counter (Applicable to 'NL' variant only) 8.4 Total loss of the power supply 10 Test condition	
	Also certified with the following options with requirements from EN 54-2 when configured in the NEN operating mode:  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  7.10.1 Output to fire protection equipment -Type A  7.11 Delays to outputs - Applicable to fire alarm routing equipment only  7.13 Alarm counter (Applicable to 'NL' variant only)  8.4 Total loss of the power supply  8.9 Output to fault warning routing equipment  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 approval does not include the operation of the network functionality.  3) Available with the following language kits:	

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1X-F8	Conventional Eight Zone Control	and Indicating Equipment	1199b/03
1X-F8-NL	Conventional Eight Zone Control	and Indicating Equipment	
1X-F8-SC	Conventional Eight Zone Control Switch	and Indicating Equipment with Scandinavian Key	
	Incorporating the following units:		
	1X-F8-MB	Main control board	
	2010-1-RB	Optional relay board	
	2010-1-SB	Expander I/O board	
	2010-1-NB	Optional Network board	
	2010-PS-40 using LRS-100-24	4A Power Supply	
	2010-1-AC	Alarm Counter (Applicable to 'NL' variant)	
	2010-SK	Scandinavian Key Lock and Key (Applicable to 'SC' variant)	

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

Certified Product	Description	LPCB Ref.No.
	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 7.11 Delays to outputs 7.13 Alarm counter (Applicable to 'NL' variant only) 8.4 Total loss of the power supply 10 Test condition	
	Also certified with the following options with requirements from EN 54-2 when configured in the NEN operating mode:  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  7.10.1 Output to fire protection equipment -Type A  7.11 Delays to outputs - Applicable to fire alarm routing equipment only  7.13 Alarm counter (Applicable to 'NL' variant only)  8.4 Total loss of the power supply  8.9 Output to fault warning routing equipment	
	<ul> <li>Test condition</li> <li>Notes:</li> <li>This product approval does not constitute compliance with the fire detection and alarm systems requirements of EN 54-13.</li> <li>Scope of approval does not include the operation of the network functionality.</li> <li>Available with the following language kits:</li> </ul>	

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KFP-CF8	Conventional Eight Zone Control and Indicating Equipment		
KFP-CF8-NL	Conventional Eight Zone Control and Indicating Equipment		
KFP-CF8-SC	Conventional Eight Zone Control and Indicating Equipment with Scandinavian Key Switch		
	Incorporating the following units:		
	KFP-CF8-MB	Main control board	
	2010-1-RB	Optional relay board	
	2010-1-SB	Expander I/O board	
	2010-1-NB	Optional Network board	
	2010-PS-40 using LRS-100-24	4A Power Supply	
	2010-1-AC	Alarm Counter (Applicable to 'NL' variant)	
	2010-SK	Scandinavian Key Lock and Key (Applicable to 'SC' variant)	

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Signed for BRE Global Ltd

P. Halligan

9 May 2022

5 March 2013

Date of Issue Date of Firs





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#### Issue: 03

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

Certified Product	Description	LPCB Ref.No.	
	Certified with the following options with requirements from EN 54-2: 7.8 Output to fire alarm device(s)		
	<ul><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>		
	<ul><li>7.11 Delays to outputs</li><li>7.13 Alarm counter (Applicable to 'NL' variant only)</li></ul>		
	<ul><li>8.4 Total loss of the power supply</li><li>10 Test condition</li></ul>		
	Also certified with the following options with requirements from EN 54-2 when configured in the NEN operating mode:		
	7.8 Output to fire alarm device(s)		
	<ul><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>		
	7.10.1 Output to fire protection equipment -Type A		
	<ul> <li>7.11 Delays to outputs - Applicable to fire alarm routing equipment only</li> <li>7.13 Alarm counter (Applicable to 'NL' variant only)</li> </ul>		
	8.4 Total loss of the power supply 8.9 Output to fault warning routing equipment		
	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 approval does not include the operation of the network functionality		

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Issue: 03

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

Certified Product	Description		
	3) Available with the following language kits:  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		
ZP1-F8 ZP1-F8-NL ZP1-F8-SC	Conventional Four Zone Control and Indicating Equipment Conventional Four Zone Control and Indicating Equipment Conventional Four Zone Control and Indicating Equipment with Scandinavian Key Switch		1199b/03
	Incorporating the following units:		
	1X-F8-MB	Main control board	
	2010-1-RB	Optional relay board	
	2010-1-SB	Expander I/O board	
	2010-1-NB	Optional Network board	
	2010-PS-40 using LRS-100-24	4A Power Supply	
	2010-1-AC	Alarm Counter (Applicable to 'NL' variant)	

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#### Issue: 03

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

Certified Product		Description	LPCB Ref.No.
	2010-SK	Scandinavian Key Lock and Key (Applicable to 'SC' variant)	
	Certified 7.8 7.9.1 7.9.2 7.10.1 7.11 7.13	with the following options with requirements from EN 54-2: Output to fire alarm device(s) Output to fire alarm routing equipment Alarm confirmation input from fire alarm routing equipment Output to fire protection equipment -Type A Delays to outputs - Applicable to fire alarm routing equipment only Alarm counter (Applicable to 'NL' variant only)	
	8.4 8.9 10	Total loss of the power supply Output to fault warning routing equipment Test condition	
		ified with the following options with requirements from EN 54-2 when ed in the NEN operating mode:  Output to fire alarm device(s)  Output to fire alarm routing equipment  Alarm confirmation input from fire alarm routing equipment  Output to fire protection equipment -Type A  Delays to outputs - Applicable to fire alarm routing equipment only  Alarm counter (Applicable to 'NL' variant only)  Total loss of the power supply  Output to fault warning routing equipment  Test condition	

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

Certified Product	Description	LPCB Ref.No.	
	Notes:  1) This product approval does not constitute compliance with the fire detection and alarm systems requirements of EN 54-13.  2) Scope of approval does not include the operation of the network functionality.  3) Available with the following language kits:  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		
1X-E4 1X-E4-NL	Conventional Four Zone Control and Indicating Equipment Conventional Four Zone Control and Indicating Equipment		
	Incorporating the following units:  1X-E4-MB		

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#### Issue: 03

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

Certified Product			Description	LPCB Ref.No.
	2010-1-1	NB	Optional Network board	
	2010-PS	-40 using LRS-100-24	4A Power Supply	
	2010-1-/	AC	Alarm Counter (Applicable to 'NL' variant)	
	Certified with the following option		ons with requirements from EN 54-2:	
	7.8	Output to fire alarm de	evice(s)	
	7.9.1	Output to fire alarm ro	uting equipment	
	7.9.2	Alarm confirmation inp	out from fire alarm routing equipment	
	7.11	Delays to outputs		
	7.13	Alarm counter (Applica	able to 'NL' variant only)	
	8.4	Total loss of the power	supply	
	10	Test condition		
	Also certified with the following options with requirements from EN 54-2 when configured in the NEN operating mode:			
	7.8	Output to fire alarm de	evice(s)	
	7.9.1	Output to fire alarm ro	uting equipment	
	7.9.2	Alarm confirmation inp	out from fire alarm routing equipment	
	7.11	Delays to outputs - Ap	plicable to fire alarm routing equipment only	
	7.13	Alarm counter (Applica	able to 'NL' variant only)	
	8.4	Total loss of the power	supply	
	8.9	Output to fault warnin	g routing equipment	
	10	Test condition		
	Notes:			

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