

## Certificate of Product Approval

Certificate Number: 1199b-(cl-1)

Issue: 03

### 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

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)

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

Signed for BRE Global Ltd

P. Halligan

Verifier

9 May 2022

Date of Issue

5 March 2013

Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX  
T: +44 (0)333 321 8811 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

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

Issue: 03

Certified Product	Description	LPCB Ref.No.																				
1X-F2 1X-F2-SC	<p>Conventional Two Zone Control and Indicating Equipment</p> <p>Conventional Two Zone Control and Indicating Equipment with Scandinavian Key Switch</p> <p>Incorporating the following units:</p> <table><tr><td>1X-F2-MB</td><td>Main control board</td></tr><tr><td>2010-1-RB</td><td>Optional relay board</td></tr><tr><td>2010-1-SB</td><td>Optional expander I/O board</td></tr><tr><td>2010-1-NB</td><td>Optional Network board</td></tr><tr><td>2010-PS-20 using LRS-75-24</td><td>2A Power Supply</td></tr><tr><td>2010-SK</td><td>Scandinavian Key Lock and Key (Applicable to 'SC' variant)</td></tr></table> <p>Certified with the following options with requirements from EN 54-2:</p> <table><tr><td>7.8</td><td>Output to fire alarm device(s)</td></tr><tr><td>7.11</td><td>Delays to outputs</td></tr><tr><td>8.4</td><td>Total loss of the power supply</td></tr><tr><td>10</td><td>Test condition</td></tr></table> <p>Notes:</p> <p>1) This product approval does not constitute compliance with the fire detection and alarm systems requirements of EN 54-13.</p> <p>2) Scope of approval does not include the operation of the network functionality.</p> <p>International English</p> <p>3) Available with the following language kits:</p>	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)	7.8	Output to fire alarm device(s)	7.11	Delays to outputs	8.4	Total loss of the power supply	10	Test condition	1199b/01
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)																					
7.8	Output to fire alarm device(s)																					
7.11	Delays to outputs																					
8.4	Total loss of the power supply																					
10	Test condition																					

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

*P. Halligan*

Signed for BRE Global Ltd

P. Halligan  
Verifier

9 May 2022  
Date of Issue

5 March 2013  
Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX  
T: +44 (0)333 321 8811 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



**bre**

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

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 KFP-CF2-SC	Conventional Two Zone Control and Indicating Equipment  Conventional Two Zone Control and Indicating Equipment with Scandinavian Key Switch  Incorporating the following units: 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 options with requirements from EN 54-2:	1199b/01

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.



Signed for BRE Global Ltd

P. Halligan  
Verifier

9 May 2022  
Date of Issue

5 March 2013  
Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX  
T: +44 (0)333 321 8811 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

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

Issue: 03

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

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.



Signed for BRE Global Ltd

P. Halligan  
Verifier

9 May 2022  
Date of Issue

5 March 2013  
Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX  
T: +44 (0)333 321 8811 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

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

Issue: 03

Certified Product	Description	LPCB Ref.No.																				
	<p>Conventional Two Zone Control and Indicating Equipment with Scandinavian Key Switch</p> <p>Incorporating the following units:</p> <table><tr><td>1X-F2-MB</td><td>Main control board</td></tr><tr><td>2010-1-RB</td><td>Optional relay board</td></tr><tr><td>2010-1-SB</td><td>Optional expander I/O board</td></tr><tr><td>2010-1-NB</td><td>Optional Network board</td></tr><tr><td>2010-PS-20 using LRS-75-24</td><td>2A Power Supply</td></tr><tr><td>2010-SK</td><td>Scandinavian Key Lock and Key (Applicable to 'SC' variant)</td></tr></table> <p>Certified with the following options with requirements from EN 54-2:</p> <table><tr><td>7.8</td><td>Output to fire alarm device(s)</td></tr><tr><td>7.11</td><td>Delays to outputs</td></tr><tr><td>8.4</td><td>Total loss of the power supply</td></tr><tr><td>10</td><td>Test condition</td></tr></table> <p>Notes:</p> <p>1) This product approval does not constitute compliance with the fire detection and alarm systems requirements of EN 54-13.</p> <p>2) Scope of approval does not include the operation of the network functionality.</p> <p>3) Available with the following language kits:</p> <p>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)</p>	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)	7.8	Output to fire alarm device(s)	7.11	Delays to outputs	8.4	Total loss of the power supply	10	Test condition	
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)																					
7.8	Output to fire alarm device(s)																					
7.11	Delays to outputs																					
8.4	Total loss of the power supply																					
10	Test condition																					

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

*P. Halligan*

Signed for BRE Global Ltd

P. Halligan  
Verifier

9 May 2022  
Date of Issue

5 March 2013  
Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX  
T: +44 (0)333 321 8811 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

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

Issue: 03

### Carrier Fire & Security B.V.

Certified Product	Description	LPCB Ref.No.
	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-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 units: 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 options with requirements from EN 54-2: 7.8                    Output to fire alarm device(s)	1199b/02

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

*P. Halligan*

Signed for BRE Global Ltd

P. Halligan  
Verifier

9 May 2022  
Date of Issue

5 March 2013  
Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX  
T: +44 (0)333 321 8811 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

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

Issue: 03

Certified Product	Description	LPCB Ref.No.
	<p>7.9.1 Output to fire alarm routing equipment</p> <p>7.9.2 Alarm confirmation input from fire alarm routing equipment</p> <p>7.11 Delays to outputs</p> <p>7.13 Alarm counter (Applicable to 'NL' variant only)</p> <p>8.4 Total loss of the power supply</p> <p>10 Test condition</p> <p>Also certified with the following options with requirements from EN 54-2 when configured in the NEN operating mode:</p> <p>7.8 Output to fire alarm device(s)</p> <p>7.9.1 Output to fire alarm routing equipment</p> <p>7.9.2 Alarm confirmation input from fire alarm routing equipment</p> <p>7.10.1 Output to fire protection equipment -Type A</p> <p>7.11 Delays to outputs - Applicable to fire alarm routing equipment only</p> <p>7.13 Alarm counter (Applicable to 'NL' variant only)</p> <p>8.4 Total loss of the power supply</p> <p>8.9 Output to fault warning routing equipment</p> <p>10 Test condition</p> <p>Notes:</p> <p>1) This product approval does not constitute compliance with the fire detection and alarm systems requirements of EN 54-13.</p> <p>2) Scope of approval does not include the operation of the network functionality.</p> <p>3) Available with the following language kits:</p> <p>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</p>	

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

*P. Halligan*

Signed for BRE Global Ltd

P. Halligan  
Verifier

9 May 2022  
Date of Issue

5 March 2013  
Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX  
T: +44 (0)333 321 8811 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

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

Issue: 03

### Carrier Fire & Security B.V.

Certified Product	Description	LPCB Ref.No.
	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-CF4 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  Incorporating the following units: 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 options with requirements from EN 54-2:	1199b/02

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

*P. Halligan*

Signed for BRE Global Ltd

P. Halligan  
Verifier

9 May 2022  
Date of Issue

5 March 2013  
Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX  
T: +44 (0)333 321 8811 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



**bre**



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

Issue: 03

Certified Product	Description	LPCB Ref.No.
	<p>7.8 Output to fire alarm device(s)</p> <p>7.9.1 Output to fire alarm routing equipment</p> <p>7.9.2 Alarm confirmation input from fire alarm routing equipment</p> <p>7.11 Delays to outputs</p> <p>7.13 Alarm counter (Applicable to 'NL' variant only)</p> <p>8.4 Total loss of the power supply</p> <p>10 Test condition</p> <p>Also certified with the following options with requirements from EN 54-2 when configured in the NEN operating mode:</p> <p>7.8 Output to fire alarm device(s)</p> <p>7.9.1 Output to fire alarm routing equipment</p> <p>7.9.2 Alarm confirmation input from fire alarm routing equipment</p> <p>7.10.1 Output to fire protection equipment -Type A</p> <p>7.11 Delays to outputs - Applicable to fire alarm routing equipment only</p> <p>7.13 Alarm counter (Applicable to 'NL' variant only)</p> <p>8.4 Total loss of the power supply</p> <p>8.9 Output to fault warning routing equipment</p> <p>10 Test condition</p> <p>Notes:</p> <p>1) This product approval does not constitute compliance with the fire detection and alarm systems requirements of EN 54-13.</p> <p>2) Scope of approval does not include the operation of the network functionality.</p> <p>3) Available with the following language kits:</p>	

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

*P. Halligan*

Signed for BRE Global Ltd

P. Halligan  
Verifier

9 May 2022  
Date of Issue

5 March 2013  
Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX  
T: +44 (0)333 321 8811 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

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

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	
ZP1-F4 ZP1-F4-NL ZP1-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 units: 1X-F4-MB	

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

*P. Halligan*

Signed for BRE Global Ltd

P. Halligan  
Verifier

9 May 2022  
Date of Issue

5 March 2013  
Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX  
T: +44 (0)333 321 8811 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

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

Issue: 03

Certified Product	Description	LPCB Ref.No.
	<p>Certified with the following options with requirements from EN 54-2:</p> <ul style="list-style-type: none"> <li>7.8 Output to fire alarm device(s)</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>7.11 Delays to outputs</li> <li>7.13 Alarm counter (Applicable to 'NL' variant only)</li> <li>8.4 Total loss of the power supply</li> <li>10 Test condition</li> </ul> <p>Also certified with the following options with requirements from EN 54-2 when configured in the NEN operating mode:</p> <ul style="list-style-type: none"> <li>7.8 Output to fire alarm device(s)</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>7.10.1 Output to fire protection equipment -Type A</li> <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> <li>8.4 Total loss of the power supply</li> <li>8.9 Output to fault warning routing equipment</li> <li>10 Test condition</li> </ul> <p>Notes:</p> <ul style="list-style-type: none"> <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 approval does not include the operation of the network functionality.</li> <li>3) Available with the following language kits:</li> </ul>	

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

*P. Halligan*

Signed for BRE Global Ltd

P. Halligan  
Verifier

9 May 2022  
Date of Issue

5 March 2013  
Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX  
T: +44 (0)333 321 8811 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

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

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

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

*P. Halligan*

Signed for BRE Global Ltd

P. Halligan  
Verifier

9 May 2022  
Date of Issue

5 March 2013  
Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX  
T: +44 (0)333 321 8811 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

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

Issue: 03

Certified Product	Description	LPCB Ref.No.
	<p>Certified with the following options with requirements from EN 54-2:</p> <ul style="list-style-type: none"> <li>7.8 Output to fire alarm device(s)</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>7.11 Delays to outputs</li> <li>7.13 Alarm counter (Applicable to 'NL' variant only)</li> <li>8.4 Total loss of the power supply</li> <li>10 Test condition</li> </ul> <p>Also certified with the following options with requirements from EN 54-2 when configured in the NEN operating mode:</p> <ul style="list-style-type: none"> <li>7.8 Output to fire alarm device(s)</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>7.10.1 Output to fire protection equipment -Type A</li> <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> <li>8.4 Total loss of the power supply</li> <li>8.9 Output to fault warning routing equipment</li> <li>10 Test condition</li> </ul> <p>Notes:</p> <ul style="list-style-type: none"> <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 approval does not include the operation of the network functionality.</li> <li>3) Available with the following language kits:</li> </ul>	

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

*P. Halligan*

Signed for BRE Global Ltd

P. Halligan  
Verifier

9 May 2022  
Date of Issue

5 March 2013  
Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX  
T: +44 (0)333 321 8811 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



**bre**

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

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-CF8 KFP-CF8-NL KFP-CF8-SC	Conventional Eight Zone Control and Indicating Equipment Conventional Eight Zone Control and Indicating Equipment 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)	1199b/03

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

Signed for BRE Global Ltd

P. Halligan  
Verifier

9 May 2022  
Date of Issue

5 March 2013  
Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX  
T: +44 (0)333 321 8811 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

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

Issue: 03

Certified Product	Description	LPCB Ref.No.
	<p>Certified with the following options with requirements from EN 54-2:</p> <ul style="list-style-type: none"> <li>7.8 Output to fire alarm device(s)</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>7.11 Delays to outputs</li> <li>7.13 Alarm counter (Applicable to 'NL' variant only)</li> <li>8.4 Total loss of the power supply</li> <li>10 Test condition</li> </ul> <p>Also certified with the following options with requirements from EN 54-2 when configured in the NEN operating mode:</p> <ul style="list-style-type: none"> <li>7.8 Output to fire alarm device(s)</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>7.10.1 Output to fire protection equipment -Type A</li> <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> <li>8.4 Total loss of the power supply</li> <li>8.9 Output to fault warning routing equipment</li> <li>10 Test condition</li> </ul> <p>Notes:</p> <ul style="list-style-type: none"> <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 approval does not include the operation of the network functionality.</li> </ul>	

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.



Signed for BRE Global Ltd

P. Halligan  
Verifier

9 May 2022  
Date of Issue

5 March 2013  
Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX  
T: +44 (0)333 321 8811 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

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

Issue: 03

### Carrier Fire & Security B.V.

Certified Product	Description	LPCB Ref.No.												
	<p>3) Available with the following language kits:</p> <p>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</p>													
ZP1-F8 ZP1-F8-NL ZP1-F8-SC	<p>Conventional Four Zone Control and Indicating Equipment</p> <p>Conventional Four Zone Control and Indicating Equipment</p> <p>Conventional Four Zone Control and Indicating Equipment with Scandinavian Key Switch</p> <p>Incorporating the following units:</p> <table><tr><td>1X-F8-MB</td><td>Main control board</td></tr><tr><td>2010-1-RB</td><td>Optional relay board</td></tr><tr><td>2010-1-SB</td><td>Expander I/O board</td></tr><tr><td>2010-1-NB</td><td>Optional Network board</td></tr><tr><td>2010-PS-40 using LRS-100-24</td><td>4A Power Supply</td></tr><tr><td>2010-1-AC</td><td>Alarm Counter (Applicable to 'NL' variant)</td></tr></table>	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)	1199b/03
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)													

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

Signed for BRE Global Ltd

P. Halligan  
Verifier

9 May 2022  
Date of Issue

5 March 2013  
Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX  
T: +44 (0)333 321 8811 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre



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

Issue: 03

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

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.



Signed for BRE Global Ltd

P. Halligan  
Verifier

9 May 2022  
Date of Issue

5 March 2013  
Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX  
T: +44 (0)333 321 8811 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

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

Issue: 03

Certified Product	Description	LPCB Ref.No.						
	<p>Notes:</p> <p>1) This product approval does not constitute compliance with the fire detection and alarm systems requirements of EN 54-13.</p> <p>2) Scope of approval does not include the operation of the network functionality.</p> <p>3) Available with the following language kits:</p> <p>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</p>							
1X-E4 1X-E4-NL	<p>Conventional Four Zone Control and Indicating Equipment</p> <p>Conventional Four Zone Control and Indicating Equipment</p> <p>Incorporating the following units:</p> <table><tr><td>1X-E4-MB</td><td>Main control board</td></tr><tr><td>2010-1-RB</td><td>Optional relay board</td></tr><tr><td>2010-1-SB</td><td>Expander I/O board</td></tr></table>	1X-E4-MB	Main control board	2010-1-RB	Optional relay board	2010-1-SB	Expander I/O board	1199b/04
1X-E4-MB	Main control board							
2010-1-RB	Optional relay board							
2010-1-SB	Expander I/O board							

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

*P. Halligan*

Signed for BRE Global Ltd

P. Halligan  
Verifier

9 May 2022  
Date of Issue

5 March 2013  
Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX  
T: +44 (0)333 321 8811 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

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

Issue: 03

Certified Product	Description	LPCB Ref.No.
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)	
<p>Certified with the following options with requirements from EN 54-2:</p> <p>7.8 Output to fire alarm device(s)</p> <p>7.9.1 Output to fire alarm routing equipment</p> <p>7.9.2 Alarm confirmation input from fire alarm routing equipment</p> <p>7.11 Delays to outputs</p> <p>7.13 Alarm counter (Applicable to 'NL' variant only)</p> <p>8.4 Total loss of the power supply</p> <p>10 Test condition</p> <p>Also certified with the following options with requirements from EN 54-2 when configured in the NEN operating mode:</p> <p>7.8 Output to fire alarm device(s)</p> <p>7.9.1 Output to fire alarm routing equipment</p> <p>7.9.2 Alarm confirmation input from fire alarm routing equipment</p> <p>7.11 Delays to outputs - Applicable to fire alarm routing equipment only</p> <p>7.13 Alarm counter (Applicable to 'NL' variant only)</p> <p>8.4 Total loss of the power supply</p> <p>8.9 Output to fault warning routing equipment</p> <p>10 Test condition</p> <p>Notes:</p>		

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.



Signed for BRE Global Ltd

P. Halligan  
Verifier

9 May 2022  
Date of Issue

5 March 2013  
Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX  
T: +44 (0)333 321 8811 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre

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

Issue: 03

Certified Product	Description	LPCB Ref.No.
	<p>1) This product approval does not constitute compliance with the fire detection and alarm systems requirements of EN 54-13.</p> <p>2) Scope of approval does not include the operation of the network functionality.</p> <p>3) Available with the following language kits:</p> <p>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</p>	

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.



Signed for BRE Global Ltd

P. Halligan  
Verifier

9 May 2022  
Date of Issue

5 March 2013  
Date of First Issue



This certificate and appendix remains the property of BRE Global Ltd. and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

BRE Global Ltd, Watford, WD25 9XX  
T: +44 (0)333 321 8811 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)

LPCB is a Registered Trademark of the Building Research Establishment Ltd.



bre