

Certificate of Constancy of Performance

0359-CPR-00008



In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation), this certificate applies to the construction product(s).

Product(s): **AutroSafe 4 Interactive Fire Detection System**
(refer to attached appendix for details and conditions)

Produced by or for: **Autronica Fire and Security AS**
Haakon VII's gate 4, NO-7483, Trondheim, Norway

Produced in the manufacturing plant(s): **Autronica Fire and Security AS**
Haakon VII's gate 4, NO-7483, Trondheim, Norway

Intended use: **Fire Safety**

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

EN54-2:1997+A1:2006

Fire detection and fire alarm systems - Control and indicating equipment

EN54-4:1997+A1:2002+A2:2006

Fire detection and fire alarm systems – Power supply equipment

Under system 1 are applied and that the product(s) fulfils all the prescribed requirements set out above.

This certificate was first issued on **17/04/2015** and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.



Notified Body
0359

Intertek Testing & Certification Limited
Cleeve Road, Leatherhead
Surrey, KT22 7SB
Tel: + 44 (0)1372 370900
Fax: +44 (0)1372 370977
E-mail: cpd.uk@intertek.com

www.intertek.com

Oliver Richardson
Operations Manager



Registered No 3272281 Academy Place, 1-9 Brook Street, Brentwood, Essex,
CM14 5NQ, United Kingdom

Date 17/04/2015

Issue 1

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

Certificate of Constancy of Performance

0359-CPR-00008



Appendix to Certificate of Constancy of Performance 0359-CPR-00008

The details and condition of use for the Autosafe 4 Interactive Control and Indicating Equipment, placed on the market by:

Autronica Fire and Security AS

Haakon VII's gate 4, NO-7483, Trondheim, Norway

To be used in accordance with the supplier's installation instructions and in conjunction with the following bases, ancillaries, sounder tones and sensitivity settings (*where applicable*):

Products compliant with EN54-2:1997+A1:2006 and EN54-4:1997+A1:2002+A2:2006

Variant	Manufacturing location	Description
AutoSafe 4	AUTRONNO.01	AutoSafe 4 Interactive Fire Detection System

Appendix to Certificate of Constancy of Performance 0359-CPR-00008 (continued)

Variant	Description
AutoSafe 4	AutoSafe 4 Interactive Fire Detection System

Comprising of:

BS-420, BS-420M, BS-420G	Fire alarm control panel
BS-430	Operator panel
BC-420	Fire alarm controller
BU-BV-420	Fire brigade panel
BU-BV-420	Information panel
BP-405	Power supply unit

Conditions of use:

Suitable for indoor applications

Option with requirements evaluated as being compliant:

Clause 7.8	Output to fire alarm devices
Clause 7.9.1	Output to fire alarm routing equipment
Clause 7.10.1	Output to automatic fire protection equipment
Clause 7.11	Delays to outputs
Clause 8.3	Fault signals from points
Clause 8.9	Output to fault warning routing equipment
Clause 9.5	Disablement of addressable points
Clause 10.0	Test condition

Intertek Testing & Certification Limited, Cleeve Road, Leatherhead, Surrey, KT22 7SB
Tel: + 44 (0)1372 370900, Fax: +44 (0)1372 370977, E-mail: cpd.uk@intertek.com

0359-CPR-00008
Issue 1

www.intertek.com

Registered No 3272281 Academy Place, 1-9 Brook Street, Brentwood, Essex,
CM14 5NQ, United Kingdom

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

Certificate of Constancy of Performance

0359-CPR-00008

The Intertek logo consists of the word "Intertek" in a white, sans-serif font, centered within a dark blue rounded rectangular background.

Ancillary functions:

Not applicable

General Notes:

1. Evaluated under Intertek project number 101925316
2. No CE or other type approval is made or inferred outside of the attestation of conformity and the product performance as stipulated on this certificate.

Intertek Testing & Certification Limited, Cleeve Road, Leatherhead, Surrey, KT22 7SB
Tel: + 44 (0)1372 370900, Fax: +44 (0)1372 370977, E-mail: cpd.uk@intertek.com

0359-CPR-00008
Issue 1

www.intertek.com

Registered No 3272281 Academy Place, 1-9 Brook Street, Brentwood, Essex,
CM14 5NQ, United Kingdom

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

Certificate of Constancy of Performance

0359-CPR-00008



Appendix to Certificate of Constancy of Performance 0359-CPR-00008 (continued)

<i>Table of performance for EN54-2:1997+A1:2006</i>			
Harmonised technical specification			
Essential characteristics	Performance	Clauses	Notes
Performance under fire conditions	Pass	4, 5, 7	a) b) c) d) e) g)
Response delay (response time to fire)	Pass	7.1, 7.7, 7.11, 7.12	f) j)
Operational reliability	Pass	4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	b) c) d) e) g) h) i) k)
Durability of operational reliability, Temperature resistance	Pass	15.4	
Durability of operational reliability, Vibration resistance	Pass	15.6, 15.7, 15.15	
Durability of operational reliability, Electrical stability	Pass	15.8 to 15.13	
Durability of operational reliability: humidity resistance	Pass	15.5, 15.14	
<i>Control and Indicating Equipment "CIE" relates to Model BS-420, Model BS-420M and Model BS-420G</i>			
<p>a. <i>The products covered by this standard are assumed to function during the alarm condition, in an event of fire, before the fire becomes so large as to affect their functioning. There is therefore no requirement to function when exposed to direct attack from fire.</i></p> <p>b. <i>The CIE did not provide the option for the reception of an input signal from fire alarm routing equipment; Clause 7.9.2 was therefore not applicable.</i></p> <p>c. <i>The CIE did not provide the option of Output to type B – Indication of signal to FPE fire protection equipment; Clause 7.10.2 was therefore not applicable.</i></p> <p>d. <i>The CIE did not provide the option of Output to type C – Indication of confirmatory signal from FPE; Clause 7.10.3 was therefore not applicable.</i></p> <p>e. <i>The CIE did not provide the option of Fault monitoring – indication of fault signal from PPE; Clause 7.10.4 was therefore not applicable.</i></p> <p>f. <i>The CIE did not provide the option of Type C dependency; Clause 7.12.3 was therefore not applicable.</i></p> <p>g. <i>The CIE did not provide the option of an Alarm counter; Clause 7.13 was therefore not applicable.</i></p> <p>h. <i>The CIE was not intended to be housed in more than one enclosure; Clauses 8.2.4e, 8.2.6a, 12.3.2 and 12.5.3 were therefore not applicable.</i></p> <p>i. <i>The CIE did not provide the option to indicate total loss of power supply condition; Clause 8.4 was therefore not applicable.</i></p> <p>j. <i>The CIE did not provide the option of standardised input/output interface; Clause 11 was therefore not applicable.</i></p> <p>k. <i>The CIE and power supply were housed in the same enclosure; Clause 12.5.4 was therefore not applicable.</i></p>			

Intertek Testing & Certification Limited, Cleeve Road, Leatherhead, Surrey, KT22 7SB
 Tel: + 44 (0)1372 370900, Fax: +44 (0)1372 370977, E-mail: cpd.uk@intertek.com

0359-CPR-00008
 Issue 1

www.intertek.com

Registered No 3272281 Academy Place, 1-9 Brook Street, Brentwood, Essex, CM14 5NQ, United Kingdom

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

Certificate of Constancy of Performance

0359-CPR-00008



Appendix to Certificate of Constancy of Performance 0359-CPR-00008 (continued)

<i>Table of performance for EN54-4:1997+A1:2002+A2:2006</i>			
Harmonised technical specification			
Essential characteristics	Performance	Clauses	Notes
Performance of power supply	Pass	4, 5, 6	<i>a, b</i>
Operational reliability	Pass	4, 5, 6, 7, 8	<i>a, b</i>
Durability of operational reliability, Temperature resistance	Pass	9.5	
Durability of operational reliability, Vibration resistance	Pass	9.7, 9.8, 9.15	
Durability of operational reliability, Electrical stability	Pass	9.9 to 9.13	
Durability of operational reliability: humidity resistance	Pass	9.6, 9.14	

Power Supply Equipment "PSE" in the following notes, relates to Model BP-405; Control and Indicating Equipment "CIE" relates to Model BS-420, Model BS-420M and Model BS-420G

a. The products covered by this standard are assumed to function during the alarm condition, in an event of fire, before the fire becomes so large as to affect their functioning. There is therefore no requirement to function when exposed to direct attack from fire.

b. The PSE is incorporated within the CIE enclosure; Clauses 4.2.9, 6.2.4, 6.2.6 and 6.4 were therefore not applicable.

Intertek Testing & Certification Limited, Cleeve Road, Leatherhead, Surrey, KT22 7SB
Tel: + 44 (0)1372 370900, Fax: +44 (0)1372 370977, E-mail: cpd.uk@intertek.com

0359-CPR-00008
Issue 1

www.intertek.com

Registered No 3272281 Academy Place, 1-9 Brook Street, Brentwood, Essex,
CM14 5NQ, United Kingdom

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.