

CERTIFICATE OF CONSTANCY OF PERFORMANCE

Issued by DBI Certification, notified body No. 2531.

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

AutroSafe 4 **Control and Indicating Equipment**

options with requirements is given ind Annex 1

The product fulfils the essential characteristic:

See Annex 2

Intended use: Applications related to automatic fire alarm systems

Placed on the market under the name or trade mark of:

Autronica Fire and Security AS
Bromstadvegen 59
NO-7047 Trondheim
Norway

and produced in the manufacturing plant:

CPA10058

This attests that all provisions concerning the performance described in Annex ZA of the standard(s)

EN 54-2:1997/A1:2006 : **Fire detection and fire alarm systems - Part 2: Control and indicating equipment**
EN 54-17:2005/AC:2007 : **Fire detection and fire alarm systems - Part 17: Short-circuit isolators**
EN 54-18:2005/AC:2007 : **Fire detection and fire alarm systems - Part 18: Input/output devices**

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

CONSTANCY OF PERFORMANCE OF THE CONSTRUCTION PRODUCT.

This certificate was first issued on 2022-09-06 and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

The attached annexes form part of this certificate.

Date of issue: **2022-11-08**.

(This certificate supersedes the previous version of this certificate issued 2022-09-06)



Merete Poulsen
Responsible for evaluation



Steen Nilsson
Responsible for certification decision

The certificate shall be reproduced in extenso
– extracts only with written permission from DBI Certification A/S.

Annex 1

OPTIONAL FUNCTION WITH REQUIREMENTS

Type	Description
<p><i>As documented by test report, the control and indicating equipment fulfils the following options:</i></p> <p>Optional function with requirements</p> <p>Output to fire alarm devices</p> <p>Control of fire alarm routing equipment: Output to fire alarm routing equipment</p> <p>Output to fire protection equipment: Output type A</p> <p>Delays to output</p> <p>Fault signals from points</p> <p>Output to fault warning routing equipment</p> <p>Disablement of addressable points</p> <p>Test condition</p>	<p>EN 54-2: Clause</p> <p>7.8</p> <p>7.9.1</p> <p>7.10.1</p> <p>7.11</p> <p>8.3</p> <p>8.9</p> <p>9.5</p> <p>10</p>

The certificate shall be reproduced in extenso
 – extracts only with written permission from DBI Certification A/S.

Annex 2

Performance

Essential characteristics	Clauses in EN 54-2:1999 + A1:2006	Performance	Notes
Performance under fire conditions	4, 5, 7	Pass	a) b) c) d) e) f)
Response delay (response time to fire)	7.1, 7.7, 7.11, 7.12	Pass	e)
Operational reliability	4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	Pass	a) b) c) d) e) f) g) h) i)
Durability of operational reliability, Temperature resistance	15.4	Pass	
Durability of operational reliability, Vibration resistance	15.6, 15.7, 15.15	Pass	
Durability of operational reliability, Electrical stability	15.8 to 15.13	Pass	
Durability of operational reliability, humidity resistance	15.5, 15.14	Pass	
a) 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. b) The CIE did not provide the option of output to type B – indication of signal to fire protection equipment; Clause 7.10.2 was therefore not applicable. c) The CIE did not provide the option of output to type C – indication of signal to fire protection equipment; Clause 7.10.3 was therefore not applicable. d) The CIE did not provide the option of fault monitoring – indication of fault signal from PPE; Clause 7.10.4 was therefore not applicable. e) The CIE did not provide the option of dependency of more than one alarm signal; Clause 7.12. was therefore not applicable. f) The CIE did not provide the option of an alarm counter; Clause 7.13 was therefore not applicable. g) The CIE was not intended to be housed in more than one enclosure; Clauses 8.2.4e was therefore not applicable. h) The CIE did not provide the option to indicate total loss of power supply condition; Clause 8.4 was therefore not applicable. i) The CIE did not provide the option of standardized input/output interface; Clause 11 was therefore not applicable.			

The below performance table is for fire brigade panel BU-110 and information panel BV-110. These panels have been tested on a detector loop connected to the main control CIE unit BS-420.

Essential characteristics	Clauses in EN 54-2:1999 + A1:2006	Performance	Notes
Performance under fire conditions	4, 5, 7	Pass	1)
Response delay (response time to fire)	7.1, 7.7, 7.11, 7.12	Pass	1)
Operational reliability	4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	Pass	1), 2), 3), 4), 5), 6), 7)
Durability of operational reliability, Temperature resistance	15.4	Pass	
Durability of operational reliability, Vibration resistance	15.6, 15.7, 15.15	Pass	
Durability of operational reliability, Electrical stability	15.8 to 15.13	Pass	
Durability of operational reliability, humidity resistance	15.4, 15.14	Pass	
1) Clauses 7.7, 7.8, 7.9, 7.10, 7.11, 7.12, 7.13 applies only to the main CIE unit and are therefore not applicable. 2) Clauses 8.3, 8.4, 8.5, 8.8, 8.9 applies only to the main CIE unit and are therefore not applicable. 3) Clauses 9.1, 9.4, 9.5 applies only to the main CIE unit and are therefore not applicable. 4) Clauses 10.1 and 10.3 applies only to the main CIE unit and are therefore not applicable. 5) The panels are connected to the detector loop and has no other in- and outputs. Therefore clause 11 is not applicable. 6) Clauses 12.4 and 12.5 applies only to the main CIE unit and are therefore not applicable. 7) Clause 13.7 applies only to the main CIE unit and are therefore not applicable.			

The certificate shall be reproduced in extenso
 – extracts only with written permission from DBI Certification A/S.

DBI Certification A/S

Jernholmen 12, 2650 Hvidovre
 Tlf.: 36 34 90 90

E-mail: info@dbicertification.dk
 www.dbicertification.dk

Only fire brigade panel BU-110 and information panel BV-110 comply to EN 54-17. Therefore, the below performance table only applies to fire brigade panel BU-110 and information panel BV-110.

Essential characteristics	Clauses in EN 54-17:2005/AC:2007	Performance	Notes
Performance under fire conditions	5.2	Pass	1)
Operational reliability	4	Pass	2), 3), 4), 5)
Durability of operational reliability; temperature resistance	5.4, 5.5	Pass	
Durability of operational reliability; vibration resistance	5.9 to 5.12	Pass	
Durability of operational reliability; humidity resistance	5.6, 5.7	Pass	
Durability of operational reliability; corrosion resistance	5.8	Pass	
Durability of operational reliability; electrical stability	5.3, 5.13	Pass	6)

1) This is assuming that the effect of the fire is to cause a short circuit in the transmission path that is protected by these devices
 2) No integrated visual indicator for indication of the status of the short-circuit isolator. Clause 4.2 are therefore not applicable.
 3) The short-circuit isolator has no provisions for connections of ancillary devices. Clause 4.3 are therefore not applicable.
 4) The short-circuit isolator is not detachable. Clause 4.4 are therefore not applicable.
 5) There is no provision for adjustments. Clause 4.6 are therefore not applicable.
 6) The panels are supplied from the detection loop – Therefore the clause 5.3 is not applicable.

Only fire brigade panel BU-110 and information panel BV-110 comply to EN 54-18. Therefore, the below performance table only applies to fire brigade panel BU-110 and information panel BV-110.

Essential characteristics	Clauses in EN 54-18:2005/AC:2007	Performance
Response delay (response time)	5.2 ¹⁾	NPD
Performance under fire conditions	5.1.4	Pass
Operational reliability	5.1.4	Pass
Durability of operational reliability; temperature resistance	5.3, 5.4	Pass
Durability of operational reliability; vibration resistance	5.8 to 5.11	Pass
Durability of operational reliability; humidity resistance	5.5, 5.6	Pass
Durability of operational reliability; corrosion resistance	5.7	Pass
Durability of operational reliability; electrical stability	5.2 ¹⁾ , 5.12	Pass

1) The panels is supplied from the detection loop – Therefore the clause 5.2 is not applicable.

The certificate shall be reproduced in extenso
 – extracts only with written permission from DBI Certification A/S.

Annex 3

TEST DOCUMENTATION

Accredited Laboratory	Report no.	Date
DNV	2009-3710 Revision No. 01	2010-02-19
DNV	2009-3664 Revision No. 01	2009-12-11
Applica	21366 Revision No. 0	2018-05-22
Nemko	299312	2016-02-19
Applica	21439 Revision No. 0	2018-11-12
Nemko	238015-2	2014-05-15
Nemko	238015-3 r01	2014-10-07
Nemko	238015-1 r02	2014-10-13
Nemko	238015-4 r01	2014-10-07
Nemko	E13260.01	2014-10-07
Applica	20062	2013-09-17
Applica	20264	2014-02-07

The certificate shall be reproduced in extenso
– extracts only with written permission from DBI Certification A/S.

Annex 4

EXTENT

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
BU-110	Fire brigade panel
BV-110	Information panel

Annex 5

TECHNICAL BASIS

Manuals		
System description	Doc-1004720-2	2022-02-16
Installation Handbook	Doc-1004796-3	2022-02-16
Commissioning Handbook	Doc-1004709	2020-03-06
Installer's Guide	Doc-1004799-1	2021-04-21
User Guide	Doc-1004718	2011-09-14
Operator's Handbook	Doc-1004716-2	2022-05-04
Shortform User Guide	Doc-1004723	2009-11-24
Wall Chart	Doc-1004725	2009-11-24
Menu Structure	Doc-1004714	2016-02-11

The certificate shall be reproduced in extenso
– extracts only with written permission from DBI Certification A/S.