

# CERTIFICATE

**Autronica Fire and Security A/S**  
**Haakon VII's Gate 4**  
**7483 Trondheim**  
**Norge**

Certifikat nr.  
Certificate no.

**232.269**

har på baggrund af vurderede systemegenskaber baseret på systemprøvningsrapport(er) for overensstemmelse mellem systembeskrivelse og gældende specifikationer i systemstandarder og/eller andre normative dokumenter opnået dette overensstemmelsescertifikat for systemet  
*has achieved this certificate of conformity based on evaluation of system approval test report(s) for conformity between system standards and (or) other normative documents for the system*

**AutoPrime 2**

**Automatisk Branddetekterings- og Alarm-system**  
**Automatic Fire Detection and Alarm System**

til anvendelse i automatiske brandalarmanlæg.  
*to be used in automatic fire detection and alarm systems.*

Certifikatet tilkendegiver overensstemmelse med kravene i følgende standarder og andre normative dokumenter:

*The certificate signifies compliance with the requirements in the following standards and other normative documents:*

EN 54-13: 2005      Fire detection and fire alarm systems – Part 13:  
Compatibility assessment of system components.

DBI Guideline 003      Fire safety systems

Certifikatet er kun gældende så længe systemet er i overensstemmelse med ovennævnte samt kravene i certificeringsordningen.

*The certificate is only valid as long as the system is in conformity with the above mentioned and the requirements of the certification system.*

Udstedt / *Issued*: 2020-10-09

Udløber/*expire*: 2021-04-09

Erstatter tidligere udstedt certifikat 2020-05-27

*Replace previous issued certificate 2020-05-27*



Merete Poulsen



Allan Laursen

Bilag/Annex: 1

## OMFANG/EXTENT

Type Type	Produkt Product	Certifikat Certificate
<b>Control Panels Autoprime</b>		
Fire Alarm Control Panel	BS-200	0470-CPD-0019
Operator Panel	BS-210	0470-CPD-0019
Repeater Panel	BS-211	0470-CPD-0019
Information Panel	BV-210	0470-CPD-0019
Fire Brigade Panel	BU-210	0470-CPD-0019
LED Mimic Driver	BUR-200	0470-CPD-0019
<b>Call Points</b>		
Manual Call Point	BF-300V2	0333-CPD-075247
Manual Call Point	BF-510WP-H	0333-CPD-075245
<b>Detectors</b>		
Multisensor detector	BH-220	1134-CPD-017
Multisensor detector	BH-320	1134-CPD-017
Multisensor detector	BH-520	1134-CPD-017
Optical smoke detector	BH-200	1134-CPD-016
Optical smoke detector	BH-300	1134-CPD-016
Optical smoke detector	BH-500	1134-CPD-016
Heat detector	BD-200	1134-CPD-018

Bilag/Annex: 1

## OMFANG/EXTENT

Type Type	Produkt Product	Certifikat Certificate
Heat detector	BD-200M	1134-CPD-018
Heat detector	BD-300	1134-CPD-018
Heat detector	BD-500	1134-CPD-018
Heat detector	BD-501	1134-CPD-018
<b>Ex units Zone 2</b>		
Heat detector	BD-500/N	1134-CPD-018
Heat detector	BD-501/N	1134-CPD-018
Optical smoke detector	BH-500N	1134-CPD-016
Multisensor detector	BH-520/N	1134-CPD-017
<b>EX units Zone 0, 1, 2</b>		
Barrier Unit	BZ-500	0470-CPD-0030
Heat detector	BD-500/EX	0470-CPD-0018
Heat detector	BD-501/EX	0470-CPD-0018
Manual call point	BF-500V2/EX	0333-CPD-075244
Optical smoke detector	BH-500/EX	1134-CPD-016
Multisensor detector	BH-520/EX	1134-CPD-017
<b>Conventional loop interface</b>		
Conventional loop interface	BNB-331	0470-CPD-0031

Bilag/Annex: 1

## OMFANG/EXTENT

Type <i>Type</i>	Produkt <i>Product</i>	Certifikat <i>Certificate</i>
<b>Input / Output units</b>		
Single monitored input	BN-303	0333-CPD-075249
Single monitored input/output	BN-304	0333-CPD-075248
Dual monitored input/output	BN-305	0470-CPD-0031
Monitored fire alarm device control	BN-307	0470-CPD-0031
<b>Sounders</b>		
Loop sounder	BBR-200	0832-CPD-0141
Socket sounder	BBR-110	0832-CPD-0140
Addressable indoor base sounder	BBR-130	0832-CPD-1045
Addressable indoor sounder	BBR-230	0832-CPD-1043
Addressable outdoor sounder	BBR-230/IP	0832-CPD-1044
<b>Sounder / Strobes</b>		
Addressable base sounder and strobe	BBQ-130	0832-CPD-1046
Addressable base sounder and strobe	BBQ-230	0832-CPD-1041
Addressable base sounder and strobe	BBQ-230/IP	0832-CPD-1042
<b>Strobes</b>		
Addressable strobe	BBL-100	0832-CPD-1039
Addressable strobe	BBL-100/IP	0832-CPD-1040

Bilag/Annex: 2

**PRØVNINGSdokUMENTATION**  
**TEST DOKUMENTATION**

<b>Akkediteret laboratorium Accredited laboratory</b>	<b>Rapport nr Report no.</b>	<b>Dato Date</b>
DELTA	DANAK-1910238	2008-07-24
DELTA	DANAK-1912598	2012-11-14

Bilag/Annex: 3

**TEKNISK DOKUMENTATION**  
**TECHNICAL DOCUMENTATION**

<b>Titel Name</b>	<b>Reference Refence</b>	<b>Dato Date</b>
Installation Handbook	116-P-APRIME2-INSTAL/DGB	2012-01-10
Betjeningsvejledning <i>Operation Manual</i>	116-P-APRIME2- OPERATE/FDK	2012-12-18
Configuration Handbook	116-P-APRIME2-CONFIG/EGB	2012-01-10
Getting started	116-P-APRIME2-GETSTAR/EGB	2012-01-10
System description	116-P-APRIME2-SYSTEM/XGB	2012-01-10

Bilag/Annex: 4

## AFVIGELSER *DEVIANCE*

### System operational limits

The following specifications relevant for the system compatibility test are given by the manufacturer prior to the testing:

#### Autoprime:

- Norminal voltage is 27.2 VDC.
- Battery valtage range is 21.6 – 28.0 VDC.
- Mains voltage range for the power supply unit is 176 VAC to 253 VAC.

#### Autoprime analogue addressable loop (BSD-200 and BSA-200A):

- Maximum serial cable resistance is 50  $\Omega$ .  
The maximum cable resisyance requirement corresponds to a maximum loop cable length of 100 m @ 2 x 0.75 mm<sup>2</sup>.
- Maximum cable capacitance is 0.5  $\mu$ F.
- Maximum current load of the addressable loop from all loop devices is specified by the client to be 100 mA at a cable resistance of 50  $\Omega$ . This applies to both quiescent and alarm conditions.  
For the testing in maximum load condition, the current load in quiescent condition is limited to 90 mA when the tested alarm and fault conditions do not include activation of sounders and strobe units and approx.. 75 mA when sounder and strobe units are to be activated. This ensures sufficient reserve for current consumption by LEDs and sounder/strobe devices in alarm condition.