

LLOYD'S REGISTER TYPE APPROVAL – DESIGN APPRAISAL DOCUMENT

Issued by: HAMBURG TECHNICAL SUPPORT OFFICE (HPC2162012)

Issued to: AUTRONICA FIRE & SECURITY AS

For: INTERACTIVE FIRE DETECTOR, TYPE V-430, V-530, V-100, V-110, V-120, BWP-100/AG

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System Procedure TA14 Version 04 (September 2020) and this Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

ETS 57002	Type Approval Application Checklist	22.02.2021
ETS 57071	Request for Marine Services – Type Approval	10.03.2021
ETS 57455	Type Approval Application Checklist (revised version)	12.05.2021
OSL2100120	Product Quality Assessment report of Autronica Fire & Security AS (Trondheim, NOR)	14.12.2021
900776	Certificate ISO 9001:2015 Autronica Fire and Security AS	07.05.2020
MEDD0000141 Rev. 2	QS-Certificate of assessment – EC (Module D)	22.02.2021
MEDB0000646 Rev. 1	EC-Type Examination Certificate (Module B) Interactive fire detectors – heat detectors	22.02.2021
MEDB00006DJ Rev. 1	EC-Type Examination Certificate (Module B) Interactive fire detectors – smoke detectors	22.02.2021
1004268.2	Product data sheet AutoGuard V-430 multicriteria protector series	08.06.2020
1004269.2	Product data sheet AutoGuard V-530 multicriteria protector series	08.06.2020
1004270.3	Product data sheet AutoGuard V-100 base for protector series V-430	15.02.2021
1004271.1	Product data sheet AutoGuard V-110 and V-120 bases for protector series V-530	19.05.2020
1004272.1	Product data sheet AutoGuard sound pressure levels for tones acc. to EN54-3	19.05.2020
1004488	Product data sheet AutoGuard conduit box BWP-100/20/AG and BWP-100/25/AG	14.10.2020
1004489	Product data sheet AutoGuard Air dust sampling unit BWP-143A/AG	14.10.2020
1004490	Product data sheet AutoGuard Air dust sampling unit stainless steel BWP-143A-SS/AG	15.10.2020
unnumbered	AutoGuard commissioning procedure	17-12-2020
TDS-77961-en	Data sheet Polycarbonate ML6411	29.06.2018
QMFZ2.E45329	UL classification of flame class of plastics (ML6411 see page 40)	28.10.2020
DNV 21 ATEX 14779X	EU-Type Examination Certificate Issue 0 for Fire Detector V-530-EXIA, V-530-EXIA/HS, V-120-EXIA	11.11.2021
IECEX DNV 21.0082X	IECEX Certificate of Conformity Issue 0 for Fire Detector V-530-EXIA, V-530-EXIA/HS, V-120-EXIA	11.11.2021

TEST REPORTS

103874656LHD-002a	Test report (EMC) acc. to EN 54-5: 2000 for heat detector AIO 430, Issue 1	25.11.2019
103874656LHD-002b	Test report (EMC) acc. to EN 54-7: 2000 for smoke detector AIO-430, Issue 1	25.11.2019
103874656LHD-002c	Test report (EMC) acc. to EN 54-17: 2005 for short circuit isolator AIO-100, Issue 1	25.11.2019
104165894LHD-002d	Test report (EMC) acc. to EN 54-17: 2005 for All-in-one-detector V-430, Issue 1	15.09.2020
103874656LHD-021	Test report acc. to EN 54-5: 2017+1: 2018 for fire detector V-430, Issue 1	20.03.2020

TEST REPORTS (continued)

103874656LHD-022	Test report acc. to EN 54-7: 2018 for fire detector V-430, Issue 1	20.03.2020
103874656LHD-023	Test report acc. to EN 54-17: 2005+AC: 2007 for fire detector V-430, Issue 1	20.03.2020
103874656LHD-024	Test report acc. to EN 54-29: 2015 for multi-sensor fire detector V-430, Issue 1	20.03.2020
103874656LHD-025	Test report acc. to IEC 60092-504: 2016 for fire detector V-430, Issue 1	18.02.2021
103874656LHD-030	Test report acc. to EN 54-5: 2017+A1: 2018, EN 54-7: 2018, EN 54-17: 2005, EN 54-29: 2015 related to software evaluation	06.05.2020
103963397LHD-021	Test report acc. to EN 54-3: 2014+A1: 2019 for fire detector V-430, Issue 1	20.11.2020
103963397LHD-022	Test report acc. to EN 54-23: 2010 for fire detector V-430, Issue 1	20.11.2020
104537242LHD-001	Test report acc. to IEC 60529: 2013 (IP test) for BWP100/20/25 & V-100	22.02.2021



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Supplementary Type Approval Terms and Conditions

Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.

Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.

Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations. Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the Lloyd's Register Type Approval System Procedure.