

# Axis<sup>EN</sup>

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## Declaration

Axis<sup>EN</sup>

## Automatic Fire Alarm System

Advanced Electronics Ltd declares that the MX-5000 CIE provided with optional functions as listed in Annex 1 and comprising of system components as listed in Annex 2 meets the requirements of:

EN54-13:2005    Fire detection and fire alarm systems – Compatibility assessment of system components

This declaration is prepared based on the results detailed in the test reports listed in Annex 3.

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## Annex 1 Options with requirements

Optional function with requirements	EN54-2 Clause
Output to fire alarm devices	7.8
Output to fire alarm routing equipment	7.9
Output to fire protection equipment	7.10
Delays to outputs	7.11
Coincidence detection, Type B dependency	7.12.2
Coincidence detection, Type C dependency	7.12.3
Alarm Counter	7.13
Fault signals from points	8.3
Output to fault warning routing equipment	8.9
Disablement of addressable points	9.5
Test condition	10
Standardised interface	11

## Annex 2 System Components

Type / Part Number	Description	Certificate	Type <sup>1</sup>
Control and Indicating Equipment			
MX-5101V	Control and indicating equipment – 1 Loop Enclosures S, M, L, D, R	0786-CPD-20952	1
MX-5201V – MX-5202V	Control and indicating equipment – 1-2 Loop Enclosures M, L, D, R	0786-CPD-20952	1
MX-5401V – MX-5404V	Control and indicating equipment – 1-4 Loop Enclosures M, L, D, E, R	0786-CPD-20952	1
MX-5030/FT	Control and indicating equipment – RCT	G210022	1
System Components - Optional <sup>2</sup>			
MXP-501	Battery Temperature Sensor	G210022	1
MXP-502 <sup>3</sup>	Loop Interface Card	G210022	1
MXP-505	Alarm Circuit Active EOL	G210022	1
MXP-506	Routing / Protection Standardised Termination	G210022	1
MXP-507	Relay Card – 2-Way	G210022	1
MXP-509	Network Interface Card – FT	G210022	1
MXP-510/FT	Network BMS Interface	G210022	1
MXP-512	Printer	G210022	2
MXP-513-XXX <sup>4</sup>	LED Indicators	G210022	1
MXP-514	AC Filter Card	G210022	1
MXP-532	PBUS Module – Routing / Protection Interface	G210022	1
MXP-536	PBUS Module – 8-Way Zone Interface	G210022	1
MXP-537	PBUS Module – 10-Way Input	G210022	1
MXP-538	PBUS Module – 16-Way Switch / 48-LED	G210022	1
MXP-539	PBUS Module – 16-Way Input / 48-Output	G210022	1
MXP-547	Pager Interface	G210022	1
MXP-554/FT	Network LAN Interface	G210022	1
MXP-034	PBUS Module – 4-Way Sounder	G210022	1
MXP-035	PBUS Module – 4-Way Relay	G210022	1
MXP-045/FT	Network 50-Way I/O	G210022	1
MXS-051	PSE Module 5A	G210022	1

<sup>1</sup> Component Types are listed in accordance with the categories in EN54-13 – Type 1 compatible and Type 2 connectable.

<sup>2</sup> Tested as part of the control and indicating system and listed in the report.

<sup>3</sup> A minimum of one loop driver is installed in each panel.

<sup>4</sup> Covers variants -050RD, -050RY, -050YL, -100RD, -100RY, -100YL, -050CRY, -050CRYG and -200RY

Type / Part Number	Description	Certificate	Type
Loop Devices			
20-V100-ADV	Detector – Optical Smoke	0832-CPD-1123	1
20-V200-ADV	Detector – Multi-criteria, Optical Smoke / Heat	0832-CPD-1124	1
20-V350-ADV	Detector – Heat	0832-CPD-1122	1
20-LV100-ADV	Detector – Optical Smoke	0832-CPD-1118	1
20-LV200-ADV	Detector – Multi-criteria, Optical Smoke / Heat	0832-CPD-1119	1
20-LV350-ADV	Detector – Heat	0832-CPD-1120	1
20-VB100-ADV	Detector Mounting Base	N/A <sup>5</sup>	1
20-VDBS100-ADV	Detector Mounting Base – Deep	N/A <sup>5</sup>	1
20-VBLR100-ADV	Detector Mounting Base – Relay	N/A <sup>5</sup>	1
20-VCP100-ADV	Manual Call Point – Red	0832-CPD-1117	1
20-VCP100-B-ADV	Manual Call Point – Blue	0832-CPD-1117	1
20-VCP100-G-ADV	Manual Call Point – Green	0832-CPD-1117	1
20-VCP100-W-ADV	Manual Call Point – White	0832-CPD-1117	1
20-VCP100-Y-ADV	Manual Call Point – Yellow	0832-CPD-1117	1
20-VMI100-ADV	Monitored Input Module	0786-CPD-21190	1
20-VMMI100-ADV	Monitored Input Module – Mini	0786-CPD-21210	1
20-VMC100-ADV	Monitored Output Module	0786-CPD-21188	1
20-VMMC100-ADV	Monitored Output Module – Mini	0786-CPD-21211	1
20-VMC120-ADV	Relay Output Module	0786-CPD-21186	1
20-VMMC120-ADV	Relay Output Module – Mini	0786-CPD-21213	1
20-VMIC100-ADV	Monitored Input / Monitored Output Module	0786-CPD-21189	1
20-VMMIC100-ADV	Monitored Input / Monitored Output Module - Mini	0786-CPD-21212	1
20-VMIC120-ADV	Monitored Input / Relay Output Module	0786-CPD-21187	1
20-VMMIC120-ADV	Monitored Input / Relay Output Module – Mini	0786-CPD-21214	1
20-MB100-ADV	Mounting Box for Modules	N/A <sup>6</sup>	
20-DMB100-ADV	Mounting Box for Modules – Deep	N/A <sup>6</sup>	
20-VMIC404-ADV	Monitored 4 Input / 4 Relay Output Module	0051-CPD-0335	1
20-VMIC602-ADV	Monitored 6 Input / 2 Relay Output Module	0051-CPD-0336	1
20-VMIC422-ADV	Monitored 4 Input / 2 Relay Output / 2 Monitored Output Module	0051-CPD-0334	1
20-VLS100-ADV	Wall Sounder	0832-CPD-1121	1
20-VLS100H-ADV	Wall Sounder (Slow Whoop) – Red	0832-CPD-1064	1
20-VLS100HW-ADV	Wall Sounder (Slow Whoop) – White	0832-CPD-1064	1
20-VW2W100-ADV	Wireless Translator Module	0832-CPD-1071	1

<sup>5</sup> Detector bases are covered on the detector certificates.

<sup>6</sup> Boxes are covered on the device certificates.

Type / Part Number	Description	Certificate	Type
20-SG100-ADV	Wireless Detector – Optical Smoke	0832-CPD-1069	1
20-SG200-ADV	Wireless Detector – Optical Smoke / Heat Enhanced	0832-CPD-1070	1
20-SG350-ADV	Wireless Detector – Heat	0832-CPD-1068	1
20-SGRS100-ADV	Wireless Wall Sounder	0832-CPD-1686	1
20-SGRS100W-ADV	Wireless Wall Sounder – White	0832-CPD-1686	1
20-SGRS100-H-ADV	Wireless Wall Sounder (Slow Whoop)	0832-CPD-1688	1
20-SGRS100-HW-ADV	Wireless Wall Sounder (Slow Whoop) – White	0832-CPD-1688	1
20-SGRS100-AV-ADV	Wireless Sounder Beacon	0832-CPD-1687 <sup>7</sup>	1
20-SGRS100-AV/W-ADV	Wireless Sounder Beacon – White	0832-CPD-1687 <sup>7</sup>	1

<sup>7</sup> Note: The date of compliance to CPD/CPR EN54-23 is 2013-12. The devices listed remain compatible but compliance with the CPD/CPR is not assured beyond the date of compliance or unless this declaration is updated. Beacons can be used as Type 2 devices.

Type / Part Number	Description	Certificate	Type
Conventional Detector Devices <sup>8</sup>			
20-S1000-ADV	Detector – Optical Smoke	0832-CPD-1421	1
20-S2000-ADV	Detector – Multi-criteria, Optical Smoke / Heat	--	1
20-S3500-ADV	Detector – Heat	0832-CPD-1425	1
08-RP-RS-01	Manual Call Point – Red – Type A	--	1
08-RP-RS1-01	Manual Call Point – Red – Type A	--	1
08-RP-RF-01	Manual Call Point – Red – Type A	--	1
08-RP-YS-01	Manual Call Point – Yellow – Type A	--	2
08-RP-YS1-01	Manual Call Point – Yellow – Type A	--	2
08-RP-YF-01	Manual Call Point – Yellow – Type A	--	2
HFM/3/11/02	LST Manual Call Point – Red – Type B	0786-CPD-20350	1
HM/3/11/01/02	LST Manual Call Point – Red – Type B	0786-CPD-20350	1
HM/1/11/17/02	LST Manual Call Point – Yellow – Type B	0786-CPD-20251	2
HM/5/11/02/02	LST Manual Call Point – Blue – Type B	0786-CPD-20363	2
HM/5/11/18/02	LST Manual Call Point – Blue – Type B	0786-CPD-20363	2

<sup>8</sup> Connected via the MXP-536 Interface.

Type / Part Number	Description	Certificate	Type
Conventional Alarm Devices <sup>9</sup>			
18-980542	Klaxon Nexus Sounder (105dB)	0832-CPD-0617	1
18-980620	Klaxon Nexus Sounder Beacon (105dB)	0832-CPD-0615	1

<sup>9</sup> Any conventional sounder / beacon may be connected if the device operating voltage range is:  $15V \leq V \leq 28V$ . The number of devices that can be connected depends on the loading. The sounder circuit current rating (1A) must not be exceeded.

## Annex 3 Test documentation

Accredited Laboratory	Report Number	Date
VdS Schadenverhütung (DAT PL-016/92)	BMA 10001	2010-02-24
VdS Schadenverhütung (DAT PL-016/92)	BMA 10029	2010-03-03
BSI Product Services (UKAS 0135)	2244/7756376	2012-04-27
VdS Schadenverhütung (DAkkS D-PL-11149-01-01)	BMA 13004	2013-02-25
VdS Schadenverhütung (DAkkS D-PL-11149-01-01)	BMA 13015	2013-03-01