Kitemark™ Licence

This is to certify that:

Advanced Electronics Ltd
34 Moorland Way
Nelson Park
Cramlington
Northumberland
NE23 1WE
United Kingdom

Holds Kitemark Licence Number: **KM 69695**

In respect of:
BS EN 54-2 & BS EN 54-4
Fire Panel & Power Supplies

This issues the right and Licence to use the Kitemark in accordance with the Kitemark Terms and Conditions governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions"). All defined terms in this Licence shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Licence provided at or from the above address.

For and on behalf of BSI:

Gary Fenton, Global Assurance Director

First Issued: 25/02/2003

Latest Issue: 7/05/2014

...making excellence a habit.™

No. KM 69695

BS EN 54-2:1997 + A1 & AC and BS EN 54-4:1998 + A1 & A2

Model	Type
Mx-4100	1 Loop Analogue Addressable Control and Indicating Equipment
Mx-4200	1 – 2 Loop Analogue Addressable Control and Indicating Equipment
Mx-4400	1 – 4 Loop Analogue Addressable Control and Indicating Equipment
Mx-4800	8 Loop Analogue Addressable Control and Indicating Equipment

Certified for use with Hochiki ESP and Apollo Discovery, Explorer XP95 and series 90 loop devices

Options with requirements

Certified with the following options with requirements from BS EN 54 Part 2: 1997:

Output to Fire Alarm Devices (clause 7.8)
Output to Fire Alarm routing equipment (clause 7.9)
Delays to Outputs (clause 7.11)
Coincidence Detection (clause 7.12)
Alarm Counter (clause 7.13)
Fault Signals from Points (clause 8.3)
Output to fault warning routing equipment (clause 8.9)
Disablement of Addressable Points (clause 9.5)
Test Condition (clause 10)
Standardised Input / Output Interface (clause 11)

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BS EN 54-2:1997 + A1 & AC and BS EN 54-4:1998 + A1 & A2

Model	Type
Mx-4200N	1 – 2 Loop Analogue Addressable Control and Indicating Equipment
Mx-4400N	1 – 4 Loop Analogue Addressable Control and Indicating Equipment
Mx-4800N	8 Loop Analogue Addressable Control and Indicating Equipment

Certified for use with Nittan fire detection and alarm devices

Options with requirements

Certified with the following options with requirements from BS EN 54 Part 2: 1997:

Output to Fire Alarm Devices (clause 7.8)
Output to Fire Alarm routing equipment (clause 7.9.1)
Delays to Outputs (clause 7.11)
Type C dependency (clause 7.12.3)
Alarm Counter (clause 7.13)
Fault Signals from Points (clause 8.3)
Output to fault warning routing equipment (clause 8.9)
Disablement of Addressable Points (clause 9.5)
Test Condition (clause10)
Standardised Input / Output Interface (clause 11)

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BS EN 54-2:1997 + A1 & AC and BS EN 54-4:1998 + A1 & A2

Model	Type
FIREline-1	1 Loop Analogue Addressable Control and Indicating Equipment
FIREline-2	1 - 2 Loop Analogue Addressable Control and Indicating Equipment
FIREline-4	1 - 4 Loop Analogue Addressable Control and Indicating Equipment
FIREline-8	8 Loop Analogue Addressable Control and Indicating Equipment

Certified for use with Hochiki ESP loop fire detection and alarm devices

Options with requirements

Certified with the following options with requirements from BS EN 54 Part 2: 1997:

Output to Fire Alarm Devices (clause 7.8)
Output to Fire Alarm routing equipment (clause 7.9.1)
Delays to Outputs (clause 7.11)
Type C dependency (clause 7.12.3)
Alarm Counter (clause 7.13)
Fault Signals from Points (clause 8.3)
Output to fault warning routing equipment (clause 8.9)
Disablement of Addressable Points (clause 9.5)
Test Condition (clause10)
Standardised Input / Output Interface (clause 11)

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BS EN 54-2:1997 + A1 & AC and BS EN 54-4:1998 + A1 & A2

Model	Type
Mx-4200V	1 - 2 Loop Analogue Addressable Control and Indicating Equipment
Mx-4400V	1 - 4 Loop Analogue Addressable Control and Indicating Equipment
Mx-4800V	8 Loop Analogue Addressable Control and Indicating Equipment

Certified for use with Argus Vega fire detection and alarm devices

Options with requirements

Certified with the following options with requirements from BS EN 54 Part 2: 1997:

Output to Fire Alarm Devices (clause 7.8)
Output to Fire Alarm routing equipment (clause 7.9.1)
Delays to Outputs (clause 7.11)
Type C dependency (clause 7.12.3)
Alarm Counter (clause 7.13)
Fault Signals from Points (clause 8.3)
Output to fault warning routing equipment (clause 8.9)
Disablement of Addressable Points (clause 9.5)
Test Condition (clause10)
Standardised Input / Output Interface (clause 11)

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No. KM 69695

BS EN 54-2:1997 + A1 & AC and BS EN 54-4:1998 + A1 & A2

Model	Type
Mx-5100	1 Loop Analogue Addressable Control and Indicating Equipment
Mx-5200	2 Loop Analogue Addressable Control and Indicating Equipment
Mx-5400	1 - 4 Loop Analogue Addressable Control and Indicating Equipment

Certified for use with Hochiki ESP, Advanced Vega and Apollo Discovery, Explorer XP95 and series 90 fire detection and alarm devices

Options with requirements

Certified with the following options with requirements from BS EN 54 Part 2: 1997:

Output to fire alarm devices – clause 7.8
Output to fire alarm routing equipment – clause 7.9
Output to fire protection equipment – clause 7.10
Output type A – clause 7.10.1
Output type B – clause 7.10.2
Output type C – clause 7.10.3
Fault monitoring of fire protection equipment – clause 7.10.4
Delays to outputs – clause 7.11
Dependencies upon more than one alarm signal – clause 7.12
Alarm counter – clause 7.13
Fault signals from points – clause 8.3
Output to fault warning routing equipment – clause 8.9
Disablement of addressable points – clause 9.5
Test condition – clause 10
Standardise input / output interface – clause 11

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Power Supply Equipment complying with BS EN54 Part 4:1998 +A1 & A2

Model	Type
MxP-049	1.5 Amp Switch Mode Power Supply Equipment (capable of charging 7Ahr Batteries)
MxP-050	3.0 Amp Switch Mode Power Supply Equipment (capable of charging 17Ahr Batteries)
MxP-051	5.0 Amp Switch Mode Power Supply Equipment (capable of charging 38Ahr Batteries)
MxP-549	1.5 Amp Switch Mode Power Supply Equipment (capable of charging 7Ahr Batteries)
MxP-550	3.0 Amp Switch Mode Power Supply Equipment (capable of charging 7Ahr - 18Ahr Batteries)
MxP-550D	3.0 Amp Switch Mode Power Supply Equipment (capable of charging 7Ahr - 25Ahr Batteries)
MxP-551	5.0 Amp Switch Mode Power Supply Equipment (capable of charging 7Ahr - 18Ahr Batteries)
MxP-551D	5.0 Amp Switch Mode Power Supply Equipment (capable of charging 7Ahr - 38Ahr Batteries)

Enclosure dimensions are as follows:

MxP-049	320 x 345 x 88 mm
MxP-050	425 x 406 x 125 mm
MxP-051	425 x 406 x 190 mm
MxP-549	246 x 263 x 80 mm
MxP-550	338 x 378 x 110 mm
MxP-550D	363 x 410 x 185 mm
MxP-551	338 x 378 x 110 mm
MxP-551D	363 x 410 x 185 mm

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