

K I T E M A R K L I C E N C E



No. KM 69695

BSI hereby grants to:

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

In respect of:

BS EN 54-2 & BS EN 54-4

Fire Panel & Power Supplies

the right and Licence to use the Kitemark in accordance with the Kitemark Licence Conditions of Contract governing the use of the Kitemark, as may be updated from time to time by BSI, and as approved by the Registrar under the Trade Marks Act 1994 (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), manufactured at, or provided from, the address above and in conformity with the above standard(s).

For and on behalf of BSI:

Anne Boyd, Managing Director, BSI Product Services

First granted: **25 Feb 2003**

Date: **15 Nov 2004**

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The licence remains the property of BSI and shall be returned immediately upon request. This licence does not expire. To check its validity telephone: +44 (0)1442 230442

BSI is incorporated by Royal Charter



BSI Product Services

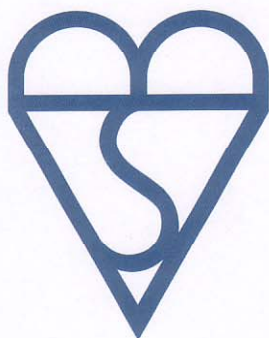
Maylands Avenue, Hemel Hempstead, Hertfordshire HP2 4SQ United Kingdom

Tel: +44 (0)1442 230442 Website: www.bsi-global.com

BSI Group Headquarters: 389 Chiswick High Road, London W4 4AL Tel: +44 (0)208 996 9000

PS027/0202/AP

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Cramlington

BS EN 54 Part 2: 1998 and BS EN 54 Part 4: 1998

Model	Type
MX4100	1 Loop Analogue Addressable Control and Indicating Equipment
MX4200	1 – 2 Loop Analogue Addressable Control and Indicating Equipment
MX4400	1 – 4 Loop Analogue Addressable Control and Indicating Equipment
MX4800	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: 1998

- 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)
- Disabling of Addressable Points (clause 9.5)
- Test Condition (clause 10)
- Standardised Input / Output Interface (clause 11)

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MODEL MX4100

Comprises of the following:

Description

Metal Enclosure
Hinged Deep Metal Enclosure
Display & User Interface PCB
Base Card Input / Output PCB
Transformer Assembly
Network Interface Card
Battery Pack (12Ah)

Part No.

730-106
730-115
PC1013
PC1016
835-107
PC1029

BS EN 54 Part 2: 1998 and BS EN 54 Part 4: 1998

MODEL MX4200

Comprises of the following:

Description

Metal Enclosure
Display & User Interface PCB
Base Card Input / Output PCB
Loop Driver PCB (1 to 2)
Switched Mode Power Supply Unit
Hinged Gear Tray Assembly
Network Interface Card
Battery Pack (17Ah)

Part No.

730-109
PC1013
PC1022
PC1021
855-001
540-110
PC1029

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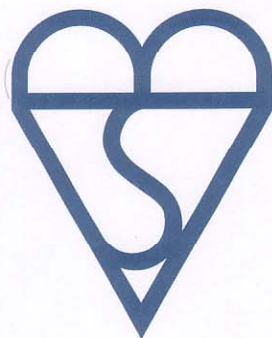
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MODEL MX4400

Comprises of the following:

Description

Metal Enclosure
Metal Enclosure
Display & User Interface PCB
Base Card Input / Output PCB
Loop Driver PCB (1 to 4)
Switched Mode Power Supply Unit
Hinged Gear Tray Assembly
Network Interface Card
Battery Pack (48Ah)

Part No.

730-109
730-116
PC1013
PC1022
PC1021
855-001
540-110
PC1029

MODEL MX4800

Comprises of the following:

Description

Metal Enclosure
Display & User Interface PCB
Base Card Input / Output PCB
Loop Driver PCB (1 to 8)
Switched Mode Power Supply Unit
Hinged Gear Tray Assembly
Network Interface Card
Battery Pack (38Ah)

Part No.

730-116
PC1013
PC1022
PC1021
855-001
540-110
PC1029

The following BSI Test Reports refer:

245/4390523, 228/4390525, 222/4390526, 288/4393433, 301002, 244/4614110, 228/4592889

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