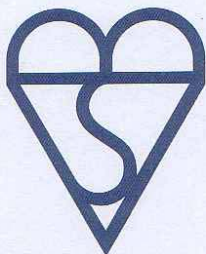


# K I T E M A R K L I C E N C E



No. KM 69695

*BSI hereby grants to:*

**Advanced Electronics Ltd  
West Chirton Trading Estate  
North Shields  
Tyne and Wear  
NE29 7TR  
United Kingdom**

*In respect of:*

## **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 Kitemark is authorized to be affixed to the Product(s), manufactured at, or provided from, the address above and in conformity with the Standard(s) detailed on the following pages.*

*For and on behalf of BSI:*

Anne Boyd, Divisional Director, Product Services Operations



First granted: 25 Feb 2003

Date: 25 Feb 2003

Page: 1 of 3

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

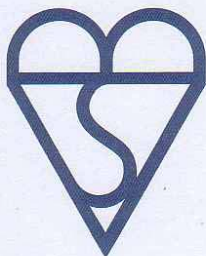
### **BSI Product Services**

Maylands Avenue, Hemel Hempstead, Hertfordshire HP2 4SQ United Kingdom  
Tel: +44 (0)1442 230442 Website: [www.bsi-global.com](http://www.bsi-global.com)

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

PS027/0202/AP

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



No. KM 69695

Advanced Electronics Ltd

North Shields

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 |

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)  
Delays to Outputs (clause 7.11)  
Coincidence Detection (clause 7.12)  
Fault Signals from Points (clause 8.3)  
Disabling of Addressable Points (clause 9.5)  
Test Condition (clause 10)  
Standardised Input / Output Interface (clause 11)

#### **MODEL MX4100**

#### **Comprises of the following:**

| Description                  | Part No. |
|------------------------------|----------|
| Metal Enclosure              | 730-106  |
| Hinged Deep Metal Enclosure  | 730-115  |
| Display & User Interface PCB | PC1013   |
| Base Card Input / Output PCB | PC1016   |
| Transformer Assembly         | 835-107  |
| Network Interface Card       | PC1029   |
| Battery Pack (12Ah)          |          |

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Page: 2 of 3

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#### **BSI Product Services**

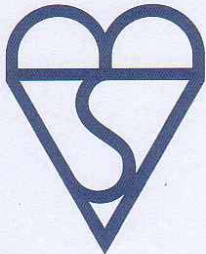
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PS027/0202/AP



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



No. KM 69695

Advanced Electronics Ltd

North Shields

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

## **MODEL MX4200**

**Comprises of the following:**

| <b>Description</b>              | <b>Part No.</b> |
|---------------------------------|-----------------|
| Metal Enclosure                 | 730-109         |
| Display & User Interface PCB    | PC1013          |
| Base Card Input / Output PCB    | PC1022          |
| Loop Driver PCB (1 to 2)        | PC1021          |
| Switched Mode Power Supply Unit | 855-001         |
| Hinged Gear Tray Assembly       | 540-110         |
| Network Interface Card          | PC1029          |
| Battery Pack (17Ah)             |                 |

## **MODEL MX4400**

**Comprises of the following:**

| <b>Description</b>              | <b>Part No.</b> |
|---------------------------------|-----------------|
| Metal Enclosure                 | 730-109         |
| Metal Enclosure                 | 730-116         |
| Display & User Interface PCB    | PC1013          |
| Base Card Input / Output PCB    | PC1022          |
| Loop Driver PCB (1 to 4)        | PC1021          |
| Switched Mode Power Supply Unit | 855-001         |
| Hinged Gear Tray Assembly       | 540-110         |
| Network Interface Card          | PC1029          |
| Battery Pack (48Ah)             |                 |

The following BSI Test Reports refer:

245/4390523, 228/4390525, 222/4390526, 288/4393433, 301002

Manufactured under a quality system assessed to: ISO 9002:1994

First granted: 25 Feb 2003

Date: 25 Feb 2003

Page: 3 of 3

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