



1 **EC TYPE-EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: Sira 04ATEX2350X

4 Equipment: Manual Break Glass Fire Alarm Call Points Models MCP\*\*

5 Applicant: KAC Alarm Company Limited

6 Address: 15-19 Trescott Road  
Redditch  
Worcester  
B98 7AH  
UK

7 This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 Sira Certification Service, notified body number 0518 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report number R52A12288A.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 50014:1997 + Amds 1 & 2  
EN 50020:2002  
EN 50284:1999

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC type-examination certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:



II 1G  
EEx ia IIC T4 (Ta = -30°C to +70°C)

Project Number 52A12288  
Date 10 January 2005  
C. Index 12

D R Stubbings BA MIEE  
Certification Manager

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**Sira Certification Service**

Rake Lane, Eccleston, Chester, CH4 9JN, England  
Tel: +44 (0) 1244 670900 Fax: +44 (0) 1244 681330  
Email: exhazard@siratc.co.uk

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## SCHEDULE

### EC TYPE-EXAMINATION CERTIFICATE

Sira 04ATEX2350X

#### 13 DESCRIPTION OF EQUIPMENT

The Models MCP\*\* are manual, break glass fire alarm call points that are operated by breaking a glass cover or pressing an optional, resettable, frangible element thereby releasing a plunger, which then activates an electrical contact. A printed circuit board, contained within the plastic enclosure of the call point, may be fitted with different combinations of components to form the following models:

- MCP1A – Normally open contact with series monitoring resistor
- MCP1B – Normally open contact with series monitoring resistor (Sawwire model)
- MCP2A – Normally open contact with series monitoring resistor and LED network
- MCP2B – Normally open contact with series monitoring resistor and LED network (Sawwire model)
- MCP3A – Normally open or normally closed single pole with single throw contacts
- MCP4 – Normally open or normally closed double pole with single throw contacts
- MCP7A – Selectable resistor/diode network, normally open single pole with single throw contacts
- MCP7B – Selectable resistor/LED network, normally open single pole with single throw contacts

The enclosure, which can be supplied in different colours, also houses a four way terminal that provides termination facilities for the call points. A separate, test key permits the call points to be checked.

#### 14 DESCRIPTIVE DOCUMENTS

14.1	Drawing No.	Sheet	Rev.	Date	Description
	04/2320	1 of 1	2	30 Sep 04	MCP IS General Assembly
	04/2321	1 of 1	3	24 Nov 04	Certification Label details
	04/2351	1 of 1	2	21 Oct 04	Electrical Configuration details

14.2 Report number R52A12288A

#### 15 SPECIAL CONDITIONS FOR SAFE USE (denoted by X after the certificate number)

15.1 The enclosure is non-conducting and may generate an ignition-capable level of electrostatic charges under certain extreme conditions. The user should ensure that the equipment is not installed in a location where it may be subjected to external conditions (such as high-pressure steam) which might cause a build-up of electrostatic charges on non-conducting surfaces. Additionally, cleaning of the equipment should be done only with a damp cloth.

15.2 The equipment may be used in an ambient temperature range of  $-30^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$ .

#### 16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in report number R52A12288A.

#### 17 CONDITIONS OF CERTIFICATION

17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.

17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.

Date 10 January 2005

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