



EC TYPE-EXAMINATION CERTIFICATE

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

Certificate Number: Sira 06ATEX2131X

Equipment: Waterproof Manual Break Glass Fire Alarm Call Points Models WCP**

Applicant: KAC Alarm Company Ltd

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

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

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 R52A15079A.

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

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.

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.

The marking of the equipment shall include the following:



II 1G
EEx ia IIC T4 (-30°C ≤ T_a ≤ +70°C)

Project Number 52A15079
Date 9 June 2006
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This certificate and its schedules may only be reproduced in its entirety and without change.

C Ellaby
Certification Officer

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SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE

Sira 06ATEX2131X

13 DESCRIPTION OF EQUIPMENT

The Waterproof Manual Break Glass Fire Alarm Call Point Models WCP** is an electrical switch which is operated manually by breaking a glass cover or pressing an optional re-settable frangible element. This releases a plunger, which activates a microswitch. Options allow the fitting of single or double pole; single or double throw contacts, various resistors and diode combinations together with LED indication all mounted on a printed circuit board, all housed in a plastic enclosure. Terminations are made via a four-way terminal. The call point enclosure can be in different colours. A separate test key permits testing and re-setting of the call point. The following models are included:

- WCP1A – Normally open contact with series monitoring resistor
- WCP1B – Normally open contact with series monitoring resistor (Savwire model)
- WCP2A – Normally open contact with series monitoring resistor and LED network
- WCP2B – Normally open contact with series monitoring resistor and LED network (Savwire model)
- WCP3A – Normally open or normally closed single pole with single throw contacts
- WCP4A – Normally open or normally closed double pole with single throw contacts
- WCP7A – Selectable resistor/diode network, normally open single pole with single throw contacts
- WCP7B – Selectable resistor/LED network, normally open single pole with single throw contacts

Input parameters

$U_i = 30 \text{ V}$
 $I_i = 500 \text{ mA}$
 $P_i = 1 \text{ W}$
 $C_i = 0$
 $L_i = 0$

The Waterproof Manual Break Glass Fire Alarm Call Points Models WCP** comply with the requirements of Clause 5.4 of EN 50020: 2002 and can be considered as 'Simple Apparatus'.

14 DESCRIPTIVE DOCUMENTS

14.1	Drawing No.	Sheet	Rev.	Date	Description
	06/2515	1 of 1	1	12 Apr 06	WCP IS General Assembly
	06/2514	1 of 1	2	01 Jun 06	Certification Label details
	06/2516	1 of 1	1	19 Apr 06	Electrical Configuration details
14.2	Report number R52A15079A				

Date 9 June 2006

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- 15 **SPECIAL CONDITIONS FOR SAFE USE** (denoted by X after the certificate number)
- 15.1 Whilst the enclosure is made of plastic, by virtue of its position of use, it is assessed that the equipment will not normally be an electrostatic risk, however, it shall not be installed in a position where it may be subjected to an excessive air/fluid flow or be subjected to rubbing that may cause an electrostatic build-up, in addition it shall only be cleaned with a damp cloth.
- 15.2 The equipment shall only be used in an ambient temperature range of -30°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 R52A15079A.
- 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 9 June 2006

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EC TYPE-EXAMINATION CERTIFICATE VARIATION

CERTIFICATE NUMBER Sira 06ATEX2131X

Dated 9 June 2006

VARIATION NUMBER 1 (ONE)

Dated 24 August 2006

VARIATION TO EQUIPMENT

To permit:

- 1 The use of an alternative label drawing.

DESCRIPTIVE DOCUMENTS

Number	Sheet	Issue	Date (Sira stamp)	Description
06/2538	1 of 1	1	24 Aug 06	WCP2A Labelling details for Tyco

ADDITIONAL CONDITIONS OF CERTIFICATION

None

File No. 52A15540

Report No. R52A15540A


C Ellaby
Certification Officer

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