



1 **EC TYPE-EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 06ATEX2131X** Issue: **5**

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

5 Applicant: **KAC Alarm Company Ltd**

6 Address: **Thornhill Road
North Moons Moat
Redditch
Worcester B98 9ND
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 the confidential reports listed in Section 14.2.

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 60079-0:2012

EN 60079-11:2012

IEC 60079-26:2014 Ed 3

The above list of documents may detail standards that do not appear on the UKAS Scope of Accreditation, but have been added through Sira's flexible scope of accreditation, which is available on request.

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 1GD

Ex ia IIC T4 Ga

(-20°C ≤ T_a ≤ +70°C)

Ex ia IIIC T135°C Da

(-20°C ≤ T_a ≤ +40°C) when P_i = 0.75 W Ii = 0.25 A

(-20°C ≤ T_a ≤ +70°C) when P_i = 0.65 W Ii = 0.25 A

Project Number 70009999

C Ellaby
Deputy Certification Manager

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SCHEDULE

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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 (Sawwire model)
- WCP2A – Normally open contact with series monitoring resistor and LED network
- WCP2B – Normally open contact with series monitoring resistor and LED network (Sawwire 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 5.7 of EN 60079-11: 2007 and can be considered as 'Simple 'Apparatus'.

Variation 1 - This variation introduced the following change:

- i. To permit the use of an alternative label drawing.

Variation 2 - This variation introduced the following change:

- i. Following appropriate re-assessment to demonstrate compliance with the requirements of the EN 60079 series of standards, the documents originally listed in section 9, EN 50014:1997 (amendments 1 and 2), EN 50020:2002 and EN 50284-1:1999, were replaced by those currently listed, the conditions were modified to recognise the requirements of the latest standards.
- ii. Recognition of the change of address from Trescott Road B98 6AW to KAC House, Thornhill Road, North Moons Moat B98 9ND.

Variation 3 - This variation introduced the following change:

- i. The option to fit an earth strap at the rear of the enclosure was endorsed

Variation 4 - This variation introduced the following changes:

- i. The introduction of a distributors label in the name of Apollo was recognised.



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Variation 5 - This variation introduced the following changes:

- ii. A reduction in the ambient temperature range from -30°C to +70°C to -20°C to +70°C was approved.
- iii. Following appropriate assessment to demonstrate compliance with the requirements of the latest technical knowledge, the documents previously listed in section 9, EN 60079-0:2006, EN 60079-11:2007, EN 60079-26:2007, EN 61241-0:2006 and IEC 61241-11:2005, were replaced by EN 60079-0:2012, EN 60079-11:2012 and IEC 60079-26:2014 Ed 3, the markings in section 12 were updated.
- iv. The entity parameters for Dust have been revised to include a maximum input current I_i of 0.25A, the marking was amended to reflect this.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report No.	Comment
0	9 June 2006	R52A15079A	The release of prime certificate.
1	24 August 2006	R52A15540A	The introduction of Variation 1.
2	12 November 2008	R52A18973A	This Issue covers the following changes: <ul style="list-style-type: none">• All previously issued certification was rationalised into a single certificate, Issue 2, Issues 0 to 1 referenced above are only intended to reflect the history of the previous certification and have not been issued as documents in this format.• The introduction of Variation 2.
3	24 August 2009	R52A20420A	The introduction of Variation 3.
4	15 February 2011	R24245A/00	The introduction of Variation 4.
5	13 January 2015	R70009999B	The introduction of Variation 5.

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

- 15.1 The equipment enclosure is made of plastic. By virtue of its shape, design and position of use, it is assessed that the Equipment is not considered to be an electrostatic risk; however, the Equipment must 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.

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 the reports listed in Section 14.2.

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.

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Sira Certification Service

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Certificate Annexe

Certificate Number: Sira 06ATEX2131X
Equipment: Waterproof Manual Break Glass Fire Alarm
Call Points Models WCP**
Applicant: KAC Alarm Company Ltd



Issue 0

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

Issue 1

Drawing No.	Sheet	Rev.	Date (Sira stamp)	Description
06/2538	1 of 1	1	24 Aug 06	WCP2A Labelling details for Tyco

Issue 2

Drawing No.	Sheets	Rev.	Date (Sira stamp)	Description
06/2515	1 of 1	2	11 Nov 08	WCP IS General Assembly
06/2514	1 of 1	4	11 Nov 08	Certification Label details
06/2516	1 of 1	1	11 Nov 08	Electrical Configuration details

Issue 3

Drawing No.	Sheets	Rev.	Date (Sira stamp)	Description
09/2718	1 of 1	1	12 Aug 09	WCP Earth Strap
05/2442	1 of 1	1	12 Aug 09	WCP Earth Strip

Issue 4

Drawing No.	Sheets	Issue	Date (Sira stamp)	Description
10/2821	1 of 1	1	27 Jan 11	WCP I.S. label for Apollo

Issue 5

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
06/2515	1 of 1	03	05 Dec12 14	WCP IS GA
06/2538	1 of 1	02	05 Dec12 14	WCP2A IS printing & labelling details for TYCO
10/2821	1 of 1	02	11-Dec-14	I.S. labelling details for Apollo

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