1 **EU-TYPE EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **Sira 09ATEX3286X** Issue: **4**

4 Equipment: **BExCP3A, BExCP3B, BExCP3C, GNExCP6A, GNExCP6B and GNExCP6C.Manual Call Points**

5 Applicant: **European Safety Systems Limited**

6 Address: Impress House, Mansell Road, Acton, London W3 7QH, 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 Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, 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:

IEC 60079-0:2007 Ed 5 EN 60079-1:2004 EN 60079-7:2007 IEC 60079-18:2009 Ed 3 EN 60079-31:2014

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 Specific Conditions of Use identified in the schedule to this certificate.

11 This EU-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 2GD
BExCP3A Call Points:	Ex e d IIC T6 Gb (-40°C ≤ Ta ≤ +55°C) Ex tb IIIC T60°C Db (-40°C ≤ Ta ≤ +55°C)
BExCP3B Call Points:	Ex e d mb IIC T4 Gb (-40°C ≤ Ta ≤ +50°C) Ex tb IIIC T70°C Db (-40°C ≤ Ta ≤ +50°C)
GNExCP6A Call Points:	Ex e d IIC T6 Gb (-40°C ≤ Ta ≤ +55°C) Ex tb IIIC T60°C Db (-40°C ≤ Ta ≤ +55°C)
GNExCP6B Call Points:	Ex e d mb IIC T4 Gb (-40°C ≤ Ta ≤ +50°C) Ex tb IIIC T80°C Db (-40°C ≤ Ta ≤ +50°C)
BExCP3C Call Points:	Ex e d mb IIC T4 Gb Ta = -40°C to +55°C Ex tb IIIC T70°C Db Ta = -40°C to +55°C
GNExCP6C Call Points:	Ex e d mb IIC T4 Gb Ta = -40°C to +55°C Ex tb IIIC T80°C Db Ta = -40°C to +55°C

Project Number 70160211

C Ellaby
Deputy Certification Manager

Sira Certification Service
Unit 6 Hawarden Industrial Park,
Hawarden, CH5 3US, United Kingdom
Tel: +44 (0) 1244 670900
Fax: +44 (0) 1244 681330
Email: ukinfo@csagroup.org
Web: www.csagroupuk.org

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13 **DESCRIPTION OF EQUIPMENT**

The equipment is a range of manual call points, as described below:

Model	Description of Enclosure	Mode of Operation	Contents Includes
BExCP3A-BG	Aluminium enclosure fitted with a glass window	Break glass	'Ex d' switch
BExCP3A-PB	Aluminium enclosure fitted with a push button	Push button fitted with a spring-loaded cover that must be lifted before operating	
BExCP3A-PT		Push button fitted with a spring-loaded cover that must be lifted before operating, the push button can only be reset by a tool	
BExCP3B-BG	Aluminium enclosure fitted with a glass window	Break glass	'Ex d' switch **And up to two of the following:** Resistor Module Diode Module Zener Diode Module
BExCP3B-PB	Aluminium enclosure fitted with a push button	Push button fitted with a spring-loaded cover that must be lifted before operating	
BExCP3B-PT		Push button fitted with a spring-loaded cover that must be lifted before operating, the push button can only be reset by a tool	
BExCP3C-BG	Aluminium enclosure fitted with a glass window	Break glass	'Ex d' switch (S) – up to two Resistor Modules (1W each)
BExCP3C-PB	Aluminium enclosure fitted with a push button	Push button fitted with a spring-loaded cover that must be lifted before operating	
BExCP3C-PT		Push button fitted with a spring-loaded cover that must be lifted before operating, the push button can only be reset by a tool	

Sira Certification Service
Unit 6 Hawarden Industrial Park,
Hawarden, CH5 3US, United Kingdom
Tel: +44 (0) 1244 670900
Fax: +44 (0) 1244 681330
Email: ukinfo@csagroup.org
Web: www.csagroupuk.org

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Model	Description of Enclosure	Mode of Operation	Contents Includes
GNExCP6A-BG	Plastic enclosure fitted with a glass window	Break glass	'Ex d' switch (S) – up to two
GNExCP6A-PB	Plastic enclosure fitted with a push button	Push button fitted with a spring-loaded cover that must be lifted before operating	
GNExCP6A-PT		Push button fitted with a spring-loaded cover that must be lifted before operating, the push button can only be reset by a tool	
GNExCP6B-BG	Plastic enclosure fitted with a glass window	Break glass	'Ex d' switch (S) – up to two **And up to two of the following:** Resistor Module Diode Module Zener Diode Module **Or one of the following:** Resistor Module Diode Module Zener Diode Module **With one:** LED Indicator Assembly
GNExCP6B-PB	Plastic enclosure fitted with a push button	Push button fitted with a spring-loaded cover that must be lifted before operating	
GNExCP6B-PT		Push button fitted with a spring-loaded cover that must be lifted before operating, the push button can only be reset by a tool	
GNExCP6C-BG	Plastic enclosure fitted with a glass window	Break glass	'Ex d' switch (S) – up to two Resistor Modules (1W each) OR LED indicator assembly (1W)
GNExCP6C-PB	Plastic enclosure fitted with a push button	Push button fitted with a spring-loaded cover that must be lifted before operating	
GNExCP6C-PT		Push button fitted with a spring-loaded cover that must be lifted before operating, the push button can only be reset by a tool	

In all cases, external connections are made via 'Ex e' terminals mounted within the enclosure, the cables entering the enclosure via certified cable glands.

Sira Certification Service
Unit 6 Hawarden Industrial Park,
Hawarden, CH5 3US, United Kingdom
Tel: +44 (0) 1244 670900
Fax: +44 (0) 1244 681330
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The following ratings are applicable:

BExCP3A Range of Call Points	BExCP3B Range of Call Points
AC Voltage 250V Max Current 5A Max	Voltage #V DC Max Current #A Max
DC Voltage 50V Max Current 1A Max	(# Due to the large number of options, it is not practical to detail a full list of available values, therefore, the manufacturer marks the actual figures applicable to each specific device on the product label in accordance with their drawings)
GNExCP6A Range of Call Points	GNExCP6B Range of Call Points
AC Voltage 250V Max Current 5A Max	Voltage #V DC Max Current #A Max
DC Voltage 50V Max Current 1A Max	(# Due to the large number of options, it is not practical to detail a full list of available values, therefore, the manufacturer marks the actual figures applicable to each specific device on the product label in accordance with their drawings)

Variation 1 - This variation introduced the following changes:

i. The option to use of an alternative type of terminal in the BExCP3A-BG, BExCP3A-PB, BExCP3A-PT, BExCP3B-BG, BExCP3B-PB and BExCP3B-PT Manual Call points.
ii. The introduction of type GNExCP6A-BG, GNExCP6A-PB, GNExCP6A-PT, GNExCP6B-BG, GNExCP6B-PB and GNExCP6B-PT Manual Call Points; these utilise a plastic enclosure and house an extended range of optional modules. The description was amended accordingly.

In all cases, external connections are made via 'Ex e' terminals mounted within the enclosure, the cables entering the enclosure via certified cable glands.

Variation 2 - This variation introduced the following change:

i. To allow the use of diode and Zener diode packs (as used in the GNExCP6 Call Point to this certificate) with the BExCP3B Call Point; and revisions to the relevant controlled drawings to support this. The description was amended accordingly.

Variation 3 - This variation introduced the following changes:

i. The introduction of the BExCP3C-BG, BExCP3C-PB, BExCP3C-PT, GNExCP6C-BG, GNExCP6C-PB & GNExCP6C-PT Manual Call Points. The description, Specific Conditions of Use and Conditions of Manufacture were amended accordingly.
ii. Following appropriate assessment to demonstrate compliance with the latest technical knowledge, EN 61241-1:2004 was replaced by EN 60079-31:2014. The marking has been updated in accordance with the latest standard.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	9 December 2009	R18381A	The release of the prime certificate.
1	19 December 2011	R25199A/00	The introduction of Variation 1.
2	17 February 2012	R25199A/01	Report no. R25199A/01 replaced R25199A/00.

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Issue	Date	Report number	Comment
3	17 June 2016	R70064462A	This Issue covers the following changes: • EC Type-Examination Certificate in accordance with 94/9/EC updated to EU Type-Examination Certificate in accordance with Directive 2014/34/EU. *(In accordance with Article 41 of Directive 2014/34/EU, EC Type-Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variations to such EC Type-Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)* • The introduction of Variation 2.
4	17 November 2017	R70130211A	The introduction of Variation 3.

15 **SPECIFIC CONDITIONS OF USE** (denoted by X after the certificate number)

15.1 The terminals shall be fitted only with wires that have cross-sectional area falling within the following limitations:

BExCP3A and GNExCP6A Call Points fitted with Weidmuller terminal strip; 0.5 mm^2 to 4 mm^2
BExCP3A and GNExCP6A Call Points fitted with Phoenix terminal strip; 0.2 mm^2 to 4 mm^2
BExCP3B and GNExCP6B Call Points fitted with Weidmuller terminal strip; 0.5 mm^2 to 4 mm^2
BExCP3B and GNExCP6B Call Points fitted with Phoenix terminal strip;0.2 mm^2 to 4 mm^2
BExCP3B and GNExCP6B Call Points fitted with Weidmuller rail mounted terminals; 0.5 mm^2 to 2.5 mm^2
BExCP3C and GNExCP6C Call Points fitted with Weidmuller terminal strip; 0.5mm^2 to 4mm^2
BExCP3C and GNExCP6C Call Points fitted with Phoenix terminal strip; 0.2mm^2 to 4mm^2
BExCP3C and GNExCP6C Call Points fitted with Weidmuller rail mounted terminals; 0.5mm^2 to 4mm^2

15.2 The following apply to the Call Points fitted with Weidmuller Terminals:
- Not more than one single or multiple strand lead shall be connected to a terminal, unless multiple conductors have been joined in a suitable manner, e.g. two conductors into a single insulated crimped boot lace ferrule.
- Leads connected to the terminals shall be insulated for the appropriate voltage and this insulation shall extend to within 1mm of the metal of the terminal throat.
- During installation, the terminals shall be only wired with cable in an ambient temperature range between -10°C to 80°C.

15.3 The following apply to the Call Points fitted with Phoenix Terminals:
- The number of conductors per clamping shall be either 1 conductor per clamping unit, 0.2 – 4 mm^2 or 2 conductors with the same cross section and the same conductor type 0.2 – 1.5 mm^2. If 2 conductors are fitted in one clamping unit they may be joined in a suitable manner, e.g. two conductors into a single insulated crimped boot lace ferrule.

15.4 All terminal screws, used or unused, shall be fully tightened down.

15.5 The GNExCP6 Call Points are supplied with M20 threaded entries, the BExCP3 Call Points have plain, M20 holes. All of these shall be fitted with either a cable gland or certified blanking element that is suitable

Sira Certification Service
Unit 6 Hawarden Industrial Park,
Hawarden, CH5 3US, United Kingdom
Tel: +44 (0) 1244 670900
Fax: +44 (0) 1244 681330
Email: ukinfo@csagroup.org
Web: www.csagroupuk.org

for the application and has been certified by a notified body. These shall provide and maintain a minimum enclosure ingress protection of IP66.

15.6 For BExCP3B and GNExCP6B Call Points that have a maximum rated current marked, the prospective short-circuit current of the circuit connected shall be limited to the marked rated current.

15.7 The enclosure of the GNExCP6 Call Points 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.

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 MANUFACTURE**

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

17.2 Holders of EU-Type Examination Certificates are required to comply with the conformity to type requirements defined in Article 13 of Directive 2014/34/EU.

17.3 All complete BExCP3B-BG, BExCP3B-PB, BExCP3B-PT, BExCP3C-BG, BExCP3C-PB and BExCP3C-PT manufactured units shall be subjected to a routine dielectric strength test of 500V r.m.m. a.c. applied for 1 s or 600V r.m.s. a.c. applied for 100 ms between all terminals ant the equipment enclosure, in accordance with clause 9.2 of IEC 60079-18:200.

17.4 All completed resistor modules, diode modules, zener diode modules and LED indicator encapsulated assembles shall be subjected to a visual inspection on the encapsulation in accordance with Clause 9.1 of IEC 60079-18:2009. No damage shall be evident such as cracks in the compound, exposure of the encapsulated parts, flaking, inadmissible shrinkage, swelling, decomposition, failure in adhesion or softening.

17.5 The products covered by this certificate incorporate previously certified devices, it is therefore the responsibility of the manufacturer to continually monitor the status of the certification associated with these devices, and the manufacturer shall inform Sira of any modifications of the devices that may impinge upon the explosion safety design of their products.

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Certificate Annexe

Certificate Number: **Sira 09ATEX3286X**

Equipment: **BExCP3A, BExCP3B, BExCP3C, GNExCP6A, GNExCP6B and GNExCP6C.Manual Call Points**

Applicant: **European Safety Systems Limited**

Issue 0

Drawing	Sheets	Rev	Date (Sira stamp)	Title
D150-00-001-SC	1 of 1	C	08 Dec 09	BExCP3A-BG & BExCP3B-BG Manual Call Point Assembly
D150-00-001-CD-SC	1 of 1	A	08 Dec 09	BExCP3-XX and BExCP3-XX Call Point Circuit Operation Diagram
D150-00-101-SC	1 of 1	B	08 Dec 09	BExCP3-PB & BExCP3B-PB Manual Call Point Assembly
D150-00-201-SC	1 of 1	B	08 Dec 09	BExCP3-PT & BExCP3B-PT Manual Call Point Assembly
D150-10-900-SC	1 of 1	B	09 Dec 09	BExCP3B/PB/PT Call Point Resistor Potting Drawing
D150-99-001-SC	1 of 1	C	08 Dec 09	BExCP3A and BExCP3B Label Drawings

Issue 1

Drawing	Sheets	Rev	Date (Sira stamp)	Title
D150-00-001-SC	1 of 1	D	22 Dec 11	BExCP3A-BG & BExCP3B-BG Manual Call Point Assembly
D150-00-101-SC	1 of 1	C	22 Dec 11	BExCP3A-PB & BExCP3B-PB manual Call Point Assembly
D150-00-201-SC	1 of 1	C	22 Dec 11	BExCP3A-PT & BExCP3B-PT Manual Call Point Assembly
D154-00-001-SC	1 of 1	B	22 Dec 11	GNExCP6A-BG & GNExCP6B-BG & -PB –PT Manual Call Point Assembly
D154-00-101-SC	1 of 1	A	22 Dec 11	GNExCP6A-PB & GNExCP6B-PB Manual Call Point Assembly
D154-00-201-SC	1 of 1	A	22 Dec 11	GNExCP6A-PT & GNExCP6B-PT Manual Call Point Assembly
D154-00-001-CD-SC	1 of 1	B	22 Dec 11	GNExCP6A-XX and BExCP6B-XX Call Point Circuit Operation Diagram
D154-10-910-SC	1 of 1	A	22 Dec 11	GNExCP6B & BExCP3B – BG/PB/PT Call Point Diode Potting Drawings
D154-10-920-SC	1 of 1	A	22 Dec 11	GNExCP6B & BExCP3B – BG/PB/PT Call Point Zener Diode Potting
D154-10-930-SC	1 of 1	B	22 Dec 11	GNExCP6B-BG/PB/PT Call Point LED & Resistor Potting
D154-99-001-SC	1 of 1	C	22 Dec 11	BExCP6A and BExCP6B Label Drawings

Issue 2 (No new drawings were introduced.)

Issue 3

Drawing	Sheets	Rev.	Date(Sira stamp)	Title
D150-00-001-CD-SC	1 of 1	B	06 Apr 16	BExCP3A-XX and BExCP3B-XX Call Point Circuit Operation Diagram
D150-00-001-SC	1 of 1	E	06 Apr 16	BExCP3A-BG and BExCP3B-BG Manual Call Point Assembly
D150-00-101-SC	1 of 1	D	06 Apr 16	BExCP3A-PB and BExCP3B-PB Manual Call Point Assembly
D150-00-201-SC	1 of 1	D	06 Apr 16	BExCP3A-PT and BExCP3B-PT Manual Call Point Assembly
D150-99-001-SC	1 of 1	D	06 Apr 16	BExCP3A and BExCP3B Label Drawings

Sira Certification Service
Unit 6 Hawarden Industrial Park,
Hawarden, CH5 3US, United Kingdom
Tel: +44 (0) 1244 670900
Fax: +44 (0) 1244 681330
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Certificate Annexe

Certificate Number: **Sira 09ATEX3286X**

Equipment: **BExCP3A, BExCP3B, BExCP3C, GNExCP6A, GNExCP6B and GNExCP6C.Manual Call Points**

Applicant: **European Safety Systems Limited**

Issue 4

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
D150-00-001-CD-SC	1 of 1	C	27 Oct 17	BExCP3A, BExCP3B & BExCP3C Call Point Circuit Operation Diagram
D150-00-001-SC	1 of 1	F	27 Oct 17	BExCP3A-BG, BExCP3B-BG & BExCP3C-BG Manual Call Point Assembly
D150-00-101-SC	1 of 1	E	27 Oct 17	BExCP3A-PB, BExCP3B-PB & BExCP3C-PB Manual Call Point Assembly
D150-00-201-SC	1 of 1	E	27 Oct 17	BExCP3A-PT, BExCP3B-PT & BExCP3C-PT Manual Call Point Assembly
D150-10-900-SC	1 of 1	C	27 Oct 17	BExCP3B/C-BG/PB/PT & GNExCP6B/C- BG/PB/PT Call Point Resistor Potting Drawing
D150-99-001-SC	1 of 1	E	14 Nov 17	BExCP3A, BExCP3B & BExCP3C Label Drawing
D154-00-001-CD-SC	1 of 1	C	27 Oct 17	GNExCP6A, GNExCP6B & GNExCP6C Call Point Circuit Operation Diagram
D154-00-001-SC	1 of 1	C	27 Oct 17	GNExCP6A-BG, GNExCP6B-BG & GNExCP6C-BG Manual Call Point Assembly
D154-00-101-SC	1 of 1	B	27 Oct 17	GNExCP6A-PB, GNExCP6B-PB & GNExCP6C-PB Manual Call Point Assembly
D154-00-201-SC	1 of 1	B	27 Oct 17	GNExCP6A-PT, GNExCP6B-PT & GNExCP6C-PT Manual Call Point Assembly
D154-10-930-SC	1 of 1	C	27 Oct 17	GNExCP6B/C-BG/PB/PT Call Point LED & Resistor Potting
D154-99-001-SC	1 of 1	D	14 Nov 17	GNExCP3A, GNExCP3B & GNExCP3C Label Drawings

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Web: www.csagroupuk.org