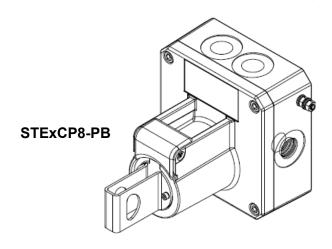
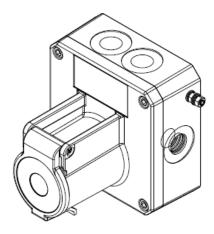
INSTRUCTION MANUAL

STEXCP8-PB-I, STEXCP8-PB-IR, STEXCP8-PM-I, STEXCP8-PM-IR STExCP8-PT-I, STExCP8-PT-IR Intrinsically Safe Call Point **Class I Div 1 ; UL60947**



NEC / CEC / ATEX / IECEx / UKEx Zone 0, 1, 2





STExCP8-PM STExCP8-PT

1) Product Table

Unit Type Code		Input Pa	arameters	
STExCP8-PB-I				
STExCP8-PB-IR	Ui	=	30V	
	li	=	500mA	
STExCP8-PM-I	Pi	=	1100mW	
STExCP8-PM-IR	Ci	=	0	
	Li	=	0	
STExCP8-PT-I				
STExCP8-PT-IR				
	Table 1:	Electrical Ratings		

2) Warnings



WARNINGS:

- DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT
- DO NOT OPEN WHEN ENERGISED
- ELECTROSTATIC CHARGING HAZARD CLEAN ONLY WITH A DAMP CLOTH.

AVERTISSEMENT:

- NE PAS OUVRIR UN PRESENCE D'ATMOSPHERE EXPLOSIVE
- NE PAS OUVRIR ENERGIE
- DANGER POTENTIEL CHARGE ÉLECTROSTATIQUE NETTOYER UNIQUEMENT AVEC UN CHIFFON HUMIDE

3) Marking & Rating Information

The STExCP8-PB, -PM & -PT Call Points comply with the following standards for hazardous locations:

Standards

3.1 Class/Division Ratings for US & Canada

UL 60079-0:2020 (Ed 7): Explosive Atmospheres - Part 0: Equipme
Congred requirements

General requirements UL 60079-11:2023 (Ed6): Explosive Atmospheres - Part 1: Equipment protection by Intrinsic Safety

CSA C22.2 NO. 60079-0: 2019 (Ed 4) Explosive Atmospheres – Part 0: Equipment – General requirements

CSA C22.2 NO. 60079-Î1:2014 (Ed 3): Explosive Atmospheres – Part 11: Equipment protection by Intrinsic Safety

Class Division Ratings for US (NEC) & Canada (CEC)						
Model No:	Rating					
STExCP8-PB-I STExCP8-PM-I STExCP8-PT-I	Class I Div 1 Group ABCD T6 Ta -55°C to +70°C					
STExCP8-PB-IR STExCP8-PM-IR STExCP8-PT-IR	Class I Div 1 Group ABCD T4 Ta -55°C to +70°C					

Class Zone Ratings for US (NEC)

•	• ,						
Model No:	Rating						
STExCP8-PB-I STExCP8-PM-I STExCP8-PT-I	Class I Zone 0 AEx ia IIC T6 Ga Ta -55°C to +70°C						
STExCP8-PB-IR STExCP8-PM-IR STExCP8-PT-IR	Class I Zone 0 AEx ia IIC T4 Ga Ta -55°C to +70°C						

Class Zone Ratings for Canada (CEC)

Model No:	Rating
STExCP8-PB-I STExCP8-PM-I STExCP8-PT-I	Ex ia IIC T6 Ga Ta -55°C to +70°C
STExCP8-PB-IR STExCP8-PM-IR STExCP8-PT-IR	Ex ia IIC T4 Ga Ta -55°C to +70°C

Installation must be carried out in compliance with the National Electric Code / Canadian Electric Code

3.2 ATEX / IECEx & UKEx Ratings

Standards						
EN60079-0:2018/IEC60079-0:2017 (ed.7): Explosive Atmospheres - Equipment General Requirements. EN60079-11:2012/IEC60079-11:2019 (ed.6): Explosive Atmospheres - Equipment Protection by Intrinsically Safe Enclosures "ia".						
Model No:	Rating					
STExCP8-PB-I STExCP8-PM-I STExCP8-PT-I	Ex ia IIC T6 Ga Ta –55°C to +70°C					
STEXCP8-PB-IR STEXCP8-PM-IR STEXCP8-PT-IR Ex ia IIC T4 Ga Ta –55°C to +70°C						
See Product table for ele	ectrical ratings of each unit model					

Certificate No. DEMKO 15 ATEX 1589X IECEX ULD 15.0018X UKEX UL UL21UKEX2133X

Epsilon x Equipment Group and Category:



II 2G II 2D

CE Marking and Notified Body No.

ly No.

UKCA Marking and Notified Body No.

0518

3.3 DNV Type Approval

The units have been tested and approved for the installation on ships in the following locations:

Temperature: Class A,B,C & D (all locations including

open decks and masts)

Humidity: Class A & B (all locations)

Vibration: Class A (all locations except installation on

machinery such as combustion engines, compressors, pumps, including piping on such machinery)

EMC: Class A & B (all locations including open

decks and bridge)

Enclosure: Class A, B & C – IP56 (all locations except

submerged applications and bilges)

3.4 UL 60947 Approval



All models are approved for use as Alarm System use:

UL 60947-4-1 LOW-VOLTAGE SWITCHGEAR AND CONTROLGEAR - PART 4-1: CONTACTORS AND MOTORSTARTERS - ELECTROMECHANICAL CONTACTORS AND MOTOR-STARTERS- Edition 3 - Revision Date 2017/10/17

CSA C22.2 NO. 60947-4-1-14 LOW-VOLTAGE SWITCHGEAR AND CONTROLGEAR — PART 4-1: CONTACTORS AND MOTOR-STARTERS — ELECTROMECHANICAL CONTACTORS AND MOTOR-STARTERS- Edition 2 - Issue Date 2014/01/04

UL 60947 Ambient Temperature Range: -55°C to +60°C

For Indoor and Outdoor Use Pour usage Interier INTÉRIEUR

4) Zones, Gas Group, Category and **Temperature Classification**

The units can be installed in locations with the following conditions:

	Area Classification Gas					
Zone 0	Explosive gas air mixture continually present in normal operation.					
Zone 1	Explosive gas air mixture likely to occur in normal operation.					
Zone 2	ne 2 Explosive gas air mixture not likely to occur in normal operation, and if it does, it will only exist for a short time.					
	Gas Groupings					
Group IIA	Propane					
Group IIB	Ethylene					
Group IIC	Hydrogen and Acetylene					
Temp	perature Classification for Gas Applications					
T1	450° C					
T2	300° C					
Т3	200° C					
T4	135° C					
T5	100°C (STExCP8-PB-I , PM-I, PT-I) only					
Т6	85°C (STExCP8-PB-I , PM-I, PT-I) only					
	Equipment Category					
1G						
	Equipment Protection Level					
Ga, Gb, Gc	Ga, Gb, Gc					
Ambient Temperature Range						
-55°C to +70°C (-67°F to +158°F) ATEX/IECEx/UKEx						
IP Rating						
IP66 to EN60529 4 / 4X / 3R / 13 to UL50E / NEMA250						

Specific Conditions for Safe Use

The equipment has a maximum capacitance of 6.33pF.

The equipment does not provide 500V isolation between the intrinsically safe circuit and parts which may be earthed. This shall be considered in the end-use application to ensure the possibility of an earth connection will not compromise intrinsic safetv.

Use galvanically isolating barriers or ensure that the installation is equipotentially bonded such that earth loops can not occur.

Refer to EN/IEC 60079-14.

Equipment is permitted to be wall mounted only in vertical position. The enclosure base is permitted in two mounting positions, with the double entry lowermost or uppermost.





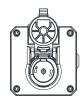


Fig 1 Wall Mounting

6) Location and Mounting

The location of the call point should enable ease of access for operation and testing. The unit should be mounted using the 4 off fixing holes which will accept up to M5 sized fixings. They should only be fixed to services that can carry the weight of the unit.

To gain access to the mounting holes in the base the front cover must be removed. See Section 7

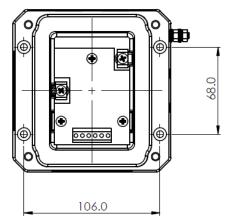


Fig. 1 View of base unit showing fixing centres (in mm).

Access to the Enclosure



Warning - High voltage may be present, risk of electric shock. DO NOT open when energised, disconnect power before opening.



Sheet 3 of 9

Warning - Hot surfaces. External surfaces and internal components may be hot after operation, take care when handling the equipment.

To access the chamber, remove the four off M6 x 50 hexagon socket head screws and carefully withdraw the cover.

Once the screws are removed the cover will hang down out of the way to gain access to the terminals, the internal earth terminal and mounting hole recesses.

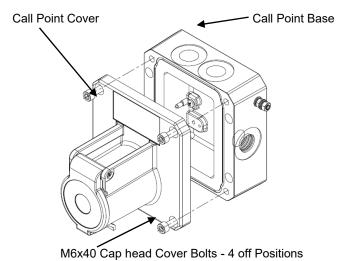


Fig. 2 Accessing the Enclosure.

Check that the earth bonding wire between the two castings is secure and the 'O' ring seal is in place.

When replacing the cover casting ensure that it is square with the chamber casting before inserting. Carefully place the cover on the base. Only after the cover is fully in place should the four M6 x 60 cover bolts and their spring washer be tightened down. Never use the cover bolts to force the cover into position.

8) Earthing

The units are provided with internal and external earth terminals which are mounted in the base of the unit.

Internal earthing connections should be made to the Internal Earth terminal in the base of the housing using a ring crimp terminal to secure the earth conductor under the earth clamp.

The earth conductor should be at least equal in size and rating to the incoming power conductors.

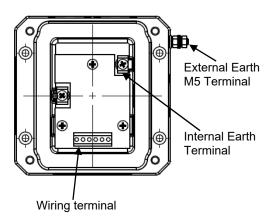


Fig 3 Earth terminals

9) Power Supply Selection Electrical Ratings

Input terminals and Zener Barrier or Galvanic Isolator

Power is supplied to the call point is via the + and - terminals. All terminals have the following input safety parameters:

Ui = 30V Ii = 500mA Pi = 1100mW Ci = 0

The unit may be powered from an ATEX/IECEx/UKEx certified Zener barrier or galvanic isolator which have output parameters equal to or less than 30V, 500mA and 1100mW, where lo is resistively limited. The cable parameters stated on the selected Zener barrier or galvanic isolator certificate must be observed.

10) Selection of Cable. Cable Glands, Blanking Elements & Adapters

ATEX/IECEX & UKEX Installations:

The equipment must only be installed by suitably qualified personnel in accordance with the latest issues of the relevant standards:

EN60079-14 / IEC60079-14: Explosive atmospheres - Electrical installations design, selection and erection EN60079-10-1 / IEC60079-10-1: Explosive atmospheres - Classification of areas. Explosive gas atmospheres

The installation of the units must also be in accordance with any local codes that may apply and should only be carried out by a competent electrical engineer who has the necessary training.

For high ambient temperatures the cable entry temperature may exceed +70°C or the cable branching point temperature may exceed 80°C and therefore suitable heat resisting cables and cable glands must be used, with a rated service temperature of at least the values stated below:

For models STExCP8-PB-I, PM-I, PT-I:

Max. ambient temperature °C	50	55	60	65	70
req. Cable / Cable Gland rating: °C	76	81	86	91	96

For models STExCP8- PB-IR, PM-IR, PT-IR:

Max. ambient	40	45	50	55	60	65	70
temperature °C							
req. Cable / Cable Gland rating: °C	85	90	95	100	105	110	115

NEC / CEC Installations:

The installation of the units must also be in accordance with any local codes that may apply and should only be carried out by a competent electrical engineer who has the necessary training. In compliance with the National Electrical Code NFPA 70 or Canadian Electric Code CSA22.1

For high ambient temperatures the cable entry temperature may exceed +60°C or the cable branching point temperature may exceed 60°C and therefore suitable heat resisting cables and cable glands must be used, with a rated service temperature of at least the values stated below:

For model STExCP8- PB-L PM-L PT-L

			·, ·			
Max. ambient temperature °C	35	40	45	50	55	60
req. Cable / Cable Gland rating: °C	61	66	71	76	81	86

For model STExCP8- PB-IR PM-IR PT-IR:

For model 31EXCF6- FB-IR, FW-IR, FT-IR.									
Max. ambient temperature °C	20	25	30	35	40	45	50	55	60
req. Cable / Cable Gland rating: °C	65	70	75	80	85	90	95	100	105

All Installations:

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 that might cause a build-up of electrostatic charges on non-conducting surfaces.

The M12 Cap fitted to the top side of the unit is not a user serviceable part and must not be removed during installation and maintenance.

The cable gland entries have an M20 x 1.5 entry thread. Glands to be rated to IP66 (tightening torque 10Nm).

When only one cable entry is used the other entries must be closed with plugs to be rated to IP66 (tightening torque 10Nm).

Electrical connections are to be made into the PCB / terminal blocks / DIN rail provided.

The STExCP8 Call Point range can be supplied with the following types of adapters:

M20 to 1/2" NPT M20 to 3/4" NPT M20 to M25

It is important to note that stopping plugs cannot be fitted onto adapters, only directly onto the M20 entries.

11) Cable & Wiring Connections

The units come with two options.

A DIN rail version which has 4-way connection and allows for the wiring of switches only.

Model: STExCP8-PB-I; PM-I & PT-I

For full wiring details see wiring diagrams D202-06-501

The PCB Terminal Version has a 6-way connector but is designed to allow for full customer configuration with Series and EOL devices in a number of wiring configurations. E2S can also configure unit at time of order to E2S

Models: PB-IR; PM-IR & PT-IR

For full wiring details see wiring diagrams D202-06-502

For EOL and Series device limitations and configurations see Section 15. Fitting can be requested by E2S at the order stage or added to the correct terminal blocks afterward. All devices must comply with the requirements stipulated in section 13.

Electrical Connections are to be made into the terminal blocks using solid or stranded wire.

Wires having a cross sectional area between 0.5 mm² to 2.5mm² (AWG 20 - 14) can be connected to each terminal

In most configuration an input and output wire can be fitted to individual terminals, where these are more complex and if fitting 2-off wires to one terminal way, the sum of the 2-off wires must be a maximum cross sectional area of 2.5mm².

Strip wires to 8mm. Wires may also be fitted using ferrules.

DIN Rail Terminals: 0.51 Nm / 4.5 Lb-in;

PCBA Main Terminals: 0.45 Nm / 4.0 Lb-in;

PCBA EOL and Series (1 & 2) Terminals: 0.38 Nm / 3.4 Lb-in

When connecting wires to the terminals great care should be taken to dress the wires so that when the cover is inserted into the chamber the wires do not exert excess pressure on the terminal blocks. This is particularly important when using cables with large cross-sectional areas such as 2.5mm².

12) Testing unit operation

The push button types -PB -PT and -PM are all operated by pressing in the main plunger down activating the switch.

PB - Dual Action Push Button

The -PB plunger needs to be firstly twisted by 90 degrees clockwise to position shown and then pressed in. There will be a click sound to indicate positive engagement and the plunger will stay in place.

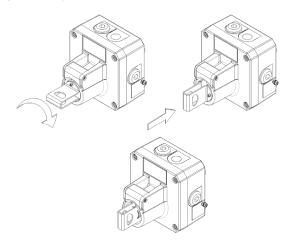


Fig 6 -PB Version Twist and Push Action

On -PB versions, the plunger will remain in position until the unit is reset. This is done by pulling the plunger back up to the start position shown in fig 6. Then the plunger is twisted back 90 degrees anti-clockwise to the stop.

PM - Momentary Push Button

The -PM needs to have the protective flip lid opened first and then the main plunger pressed in. There will be a click sound to indicate positive engagement, the plunger will spring back up if not held pressed.

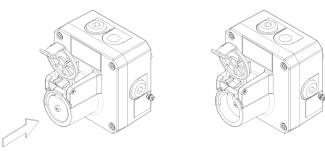


Fig 7 -PM Version Push Action

On –PM versions the operation is momentary and as such the plunger will reset automatically once the pressure on the plunger is released.

PT - Tool Reset Push Button

The -PT needs to have the protective flip lid opened first and then the main plunger pressed in. There will be a click sound to indicate positive engagement and the plunger will stay in place.

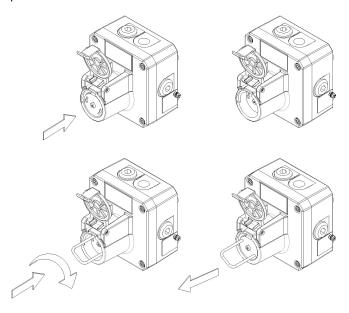


Fig 8a -PT Version Push Action

To reset, insert the reset tool supplied with the unit into the 2-off holes in the button plate, rotate clockwise along the curved slots and then pull the button plate back up. Rotate the tool anti clockwise and remove through the 2-off holes in the button plate.

13) End-of-Line and Series Devices

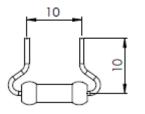
All STExCP8-BG-IR models can be fitted with series / end-of-line monitoring resistors, monitoring diodes and Zener and also LED options into the terminals of the units with the PCB terminal option.

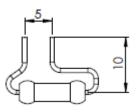
Min. device values and current limitations must be observed depending on supply voltage and type of components fitted. If a combination of resistors / diodes / zener diodes or LED is used, values for all components must be observed and lowest current limit for either component becomes overall limit.

Current limitation for units fitted with end-of-line or series resistors, diodes or zener diodes must be ensured by using a current limited power supply or fitting a current limiting resistor at the control panel (not provided).

When fitting EOL or series device into the applicable terminal ensure the component is bent to the following specification to ensure the correct creepage and clearance is maintained.

Depending on the wiring option required either of these component lead bending configurations is suitable.





EOL or Series device Component Lead Bending

EOL only for alternative EOL wiring Component Lead Bending

The following table 2 shows limitations for all possible variations:

	Supply voltage :	24Vdc Nom 30Vdc Max			
	via barriers.				
Type of component fitted	value	Max. current (mA)			
End-of-Line Resistor 5% Max tolerance. Ø3.5 x 9.0mm – 2W Ø2.6 x 6.8mm – 0.5W Min component size	min. 470R / 2W or min. 2k2 / 0.5W	N/A Barrier limit			
End-of-Line Diode Type 1N5401 Ø4.8 x 7.2mm Min component size	2W	59.13 customer to limit			
Series Resistor 5% Max Tolerance. Ø3.5 x 9.0mm – 2W Ø2.6 x 6.8mm – 0.5W Min component size	min. 470R / 2W or min. 2k2 / 0.5W	N/A Barrier limit			
Series Diode Type 1N5401 Ø4.8 x 7.2mm Min component size	2W	59.13 customer to limit			
Series Zener Diode	3.3V	230 customer to limit			
Type 1N53xxB	4.7V	162 customer to limit			
Ø3.3 x 8.4mm Min	5.1V	149 customer to limit			
component size	5.6V	136 customer to limit			
	6.2V	122 customer to limit			
	6.8V	112 customer to limit			
	10V	76 customer to limit			
	12V	63 customer to limit			

EOL (End of line) device;

- resistor ExxxR
- diode ED1
- zener ExxxZ

Series (In line) device;

- resistor SxxxR
- diode SD1
- zener SxxxZ
- **LED**

Microswitch 1 = M/S 1Microswitch 2 = M/S 2

The unit can be wired with a maximum of 4 module & LED devices - see wiring diagram D202-06-502

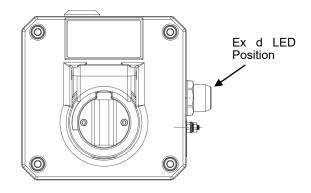
An optional LED monitoring module is designated after the model no as either.

To include an LED and power limiting resistor (-L)

Optional LED but where the units current must be limited to 20mA. As the LED has no power limiting resistor (-C)

The optional Ex d LED monitoring module is fitted in the M20x1.5 side entry as shown, when the main M20x1.5 entries are at the bottom of unit.

Wire LED into the Series terminals block,on the PCB, if fitting with an additional series resistor ferrule each lead together.



14) Maintenance, Overhaul, Repair and Cleaning

Maintenance, repair and overhaul of the equipment should only be carried out by suitably qualified personnel in accordance with the current relevant standards:

For ATEX / IECEx / UKEx

EN 60079-19 Explosive atmospheres – Equipment IEC 60079-19 repair, overhaul and reclamation

EN 60079-17 Explosive atmospheres - Electrical IEC 60079-17 installations inspections and maintenance

For US & CEC Class / Div / Zone

UL 60079-19 Explosive atmospheres - Equipment repair, overhaul and reclamation

UI 60079-17 Explosive Electrical atmospheres installations inspection and maintenance

All Installations:

Electrostatic charging hazard – clean only with a damp cloth.

Units must not be opened while an explosive atmosphere is present.

Live maintenance is not permitted.

15) SIL 2 Reliability Data

Reliability and Functional safety IEC/EN61508 which has been assessed and is considered suitable for use in low demand safety function:

- Random Hardware Failures and Systematic Failures (route 2H)
- As an unvoted item (i.e. hardware fault tolerance of 0) at SIL 2

The product was assessed against failure modes:

- Failure to close a contact when the call point is struck with specified force
- Failure to open a contact when the call point is struck with specified force

Spurious output despite no input

Integrity in respect of failure to close	SIL 2
System Type	Α
Hardware Fault Tolerance	0
Safe Failure Fraction (credible claim)	75%
PFD (hazardous failure)	2.3 x 10 ⁻³
Proof Test Interval	Up to 1 year

16) Electrical System Design For Installation In **Hazardous Areas Using Zener Barriers**

ATEX/IECEX & UKEX Installations:

16.1 Single Input Barrier

Where the call point switch uses a Zener barrier, as shown in Fig below.

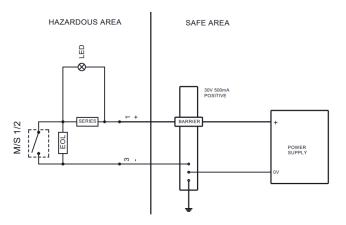


Fig. Single stage call point alarm using single barrier.

NEC /CEC Installations:

16.2 Single Input Barrier

Where the call point switch uses a Zener barrier, as shown in Fig below.

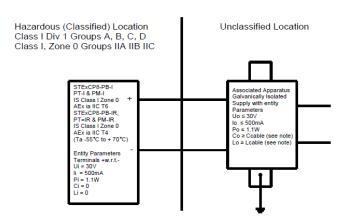


Fig. Single stage call point alarm using single barrier.

Associated apparatus output current must be limited by a resistor such that the output voltage current plot is a straight line drawn between open-circuit voltage and short-circuit current.

- 2. Installed should be in accordance with its manufacturer's control drawing and Article 504 of the National Electrical Code (ANSI/NFPA 70) for Canadian installation in the United States, or Section 18 of the Electrical Code for installations in Canada.
- Where the cable capacitance and inductance per foot are not known, the following values shall be used: Ccable = 60 pF/ft., Lcable = $0.2 \mu \text{H/ft.}$
- 4. When required by the manufacturer's control drawing, the associated apparatus must be connected to a suitable ground electrode per the National Electrical Code (ANSI/NFPA 70), the Canadian Electrical Code, or other local installation codes, as applicable. The resistance of the ground path must be less than 1 ohm.

17) Electrical System Design For Installation In **Hazardous Areas Using Galvanic Isolators**

Galvanic isolators do not require a high integrity earth connection. For small systems where a high integrity earth is not already available, the use of galvanic isolators often reduces the overall installation cost and simplifies design.

ATEX/IECEX & UKEX Installations:

17.1 Single Input Barrier

Where the call point switch uses a single Zener barrier, as shown in Fig below.

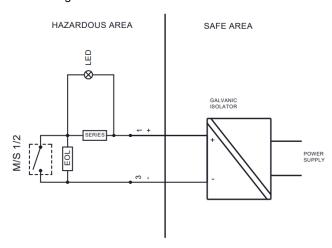


Fig. Single stage call point alarm using single galvanic isolator.

NEC /CEC Installations:

17.1 Single Input Barrier

Where the call point switch uses a single Zener barrier, as shown in Fig below.

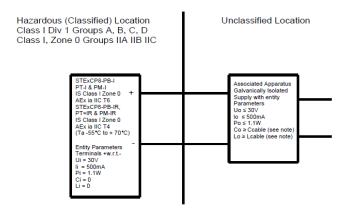
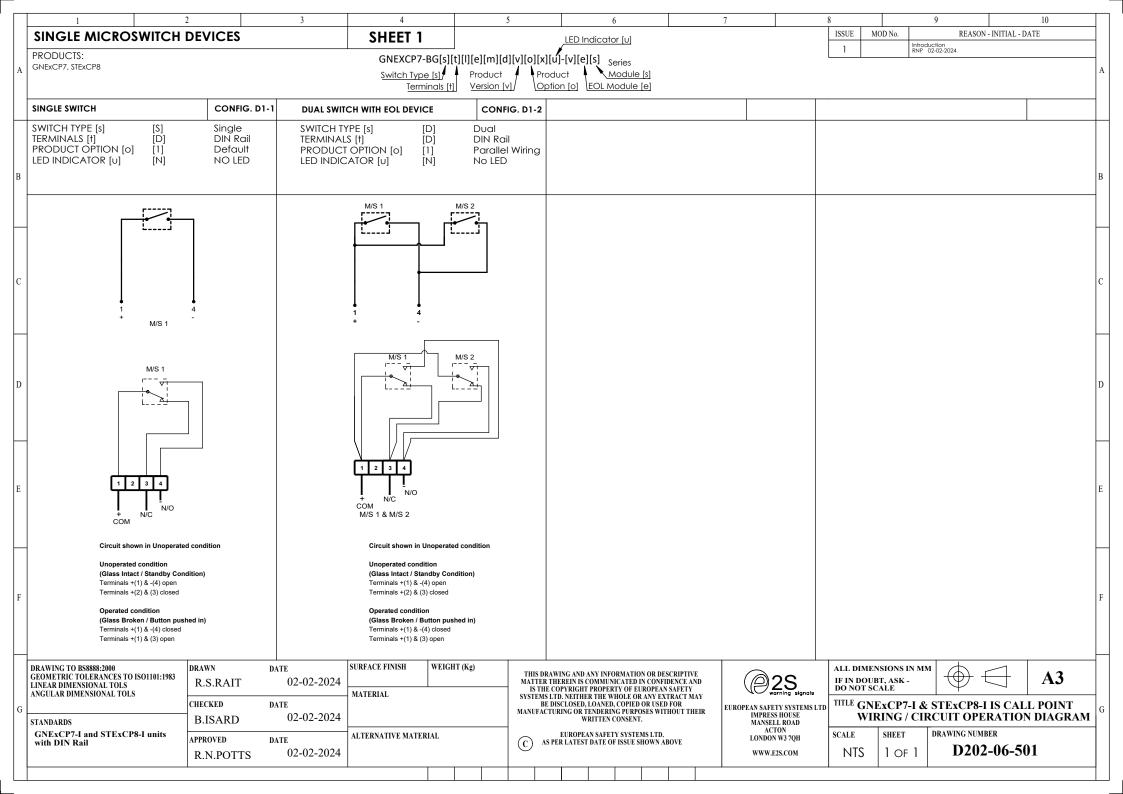
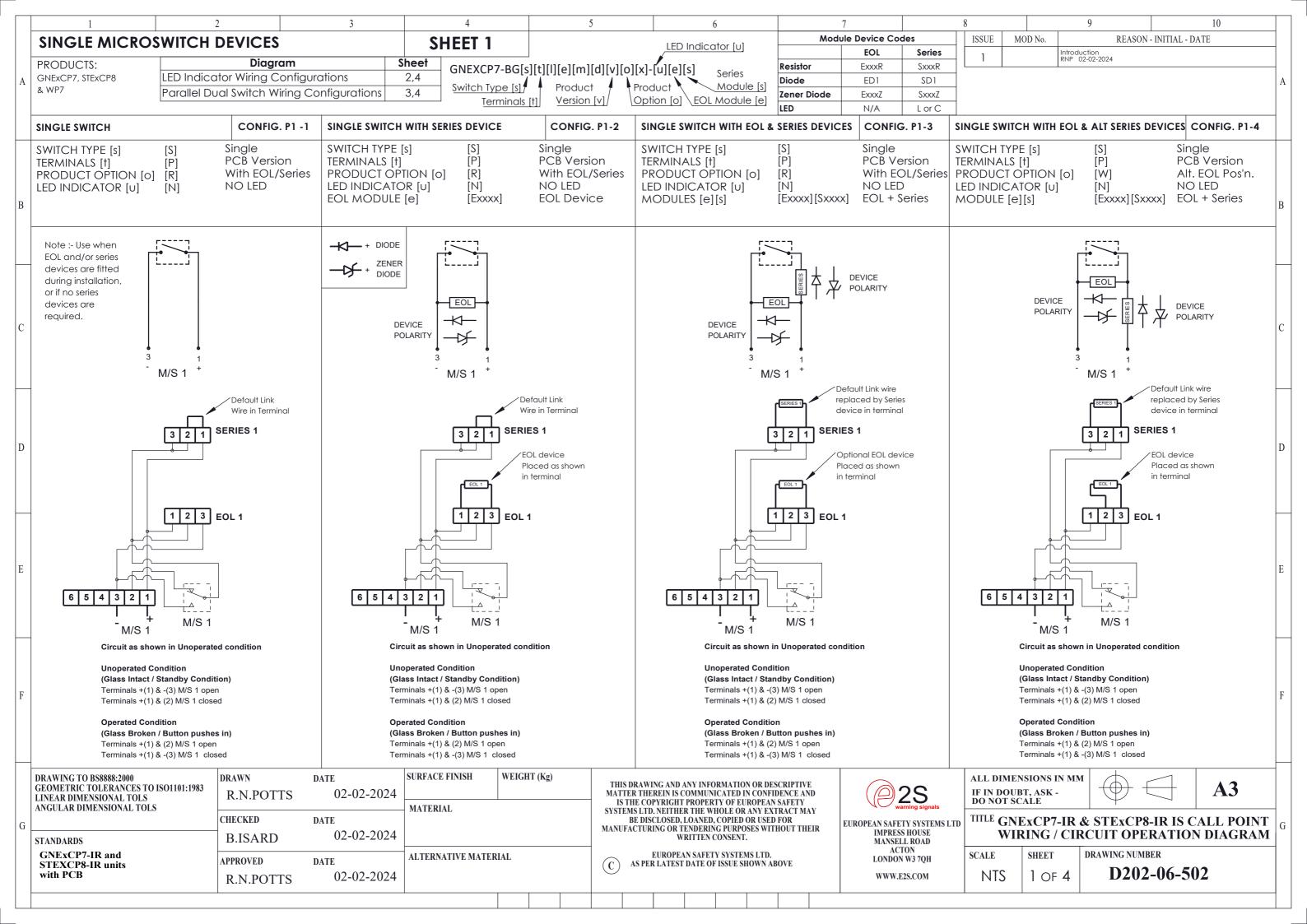
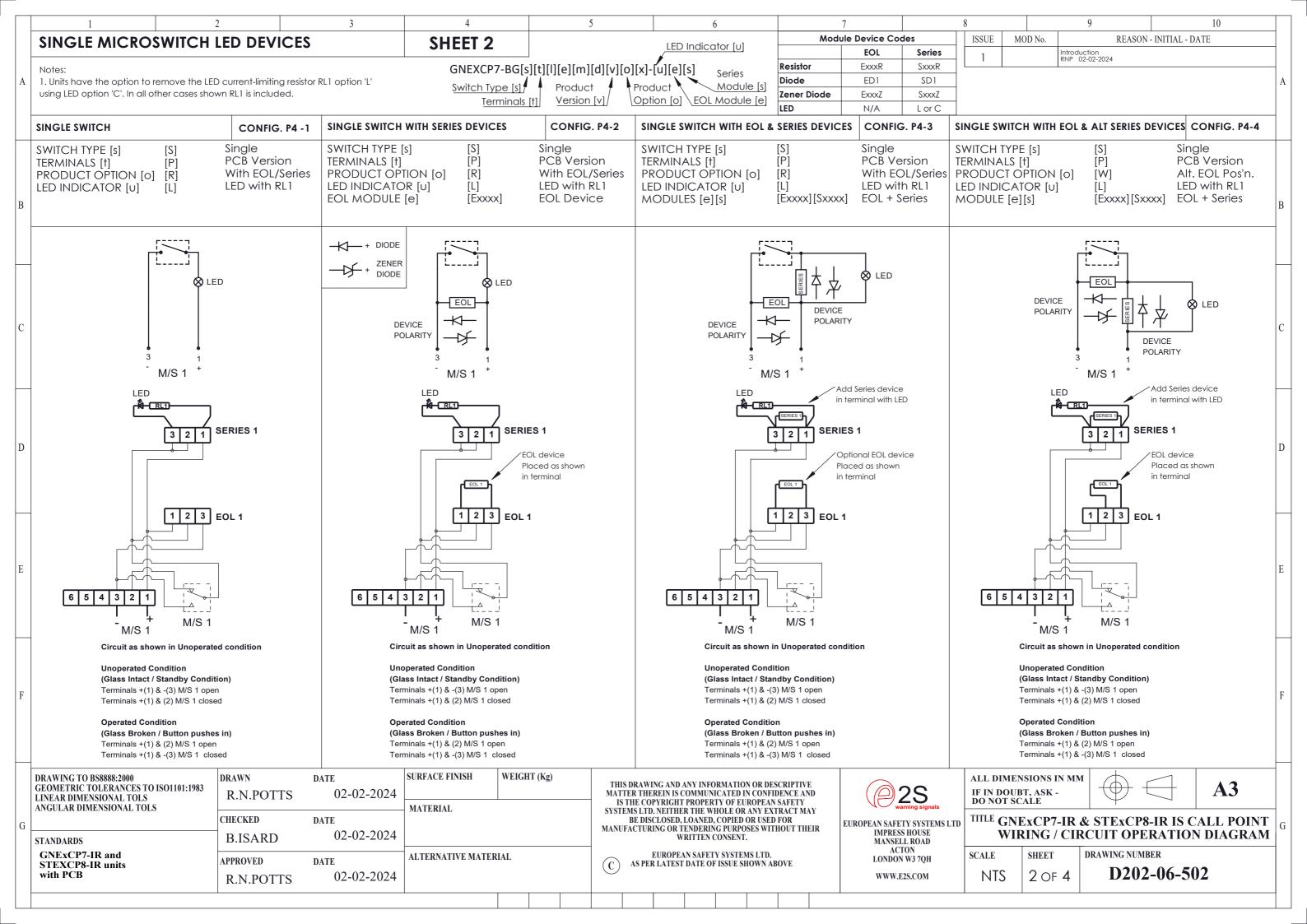


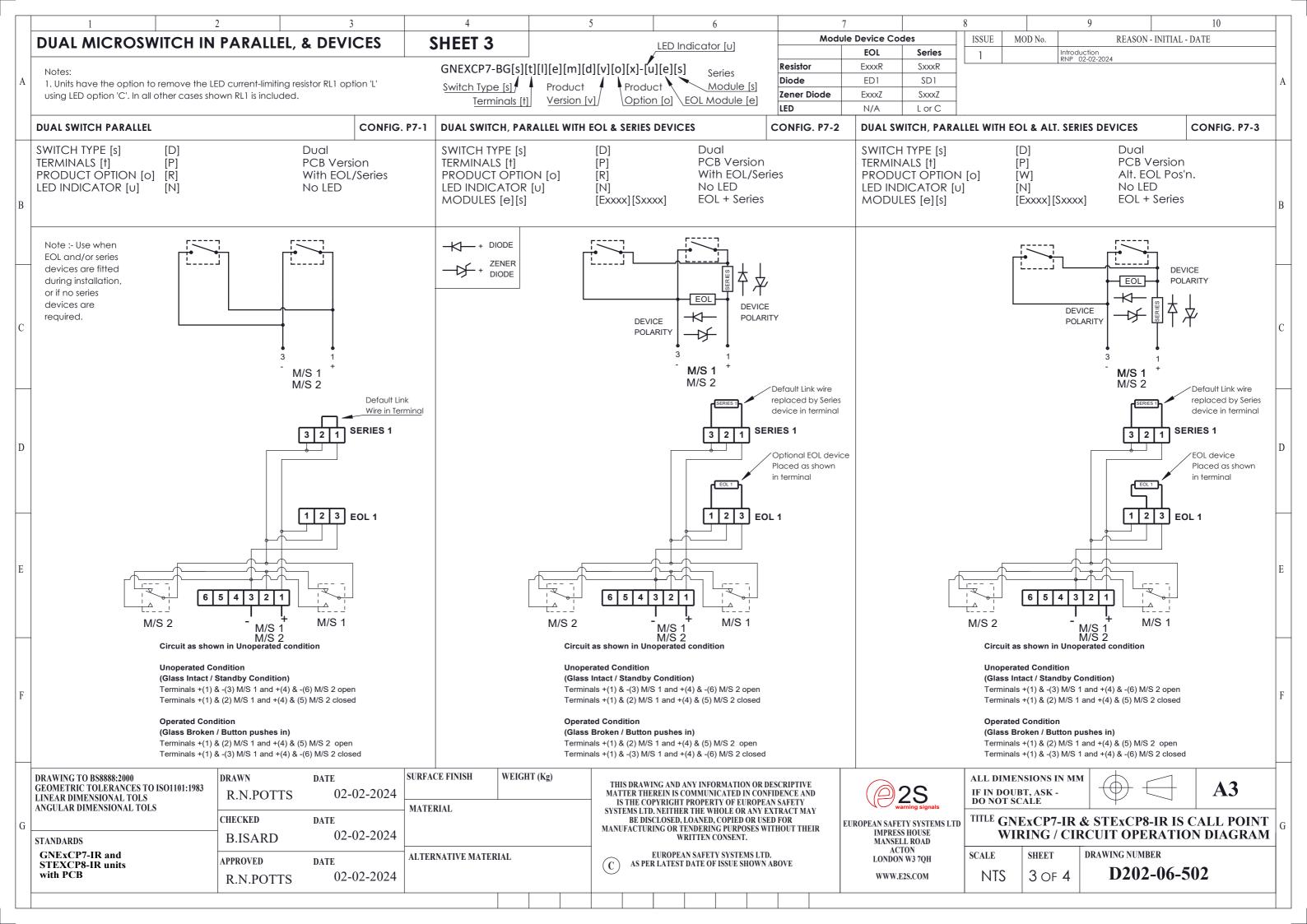
Fig. Single stage call point alarm using single galvanic isolator.

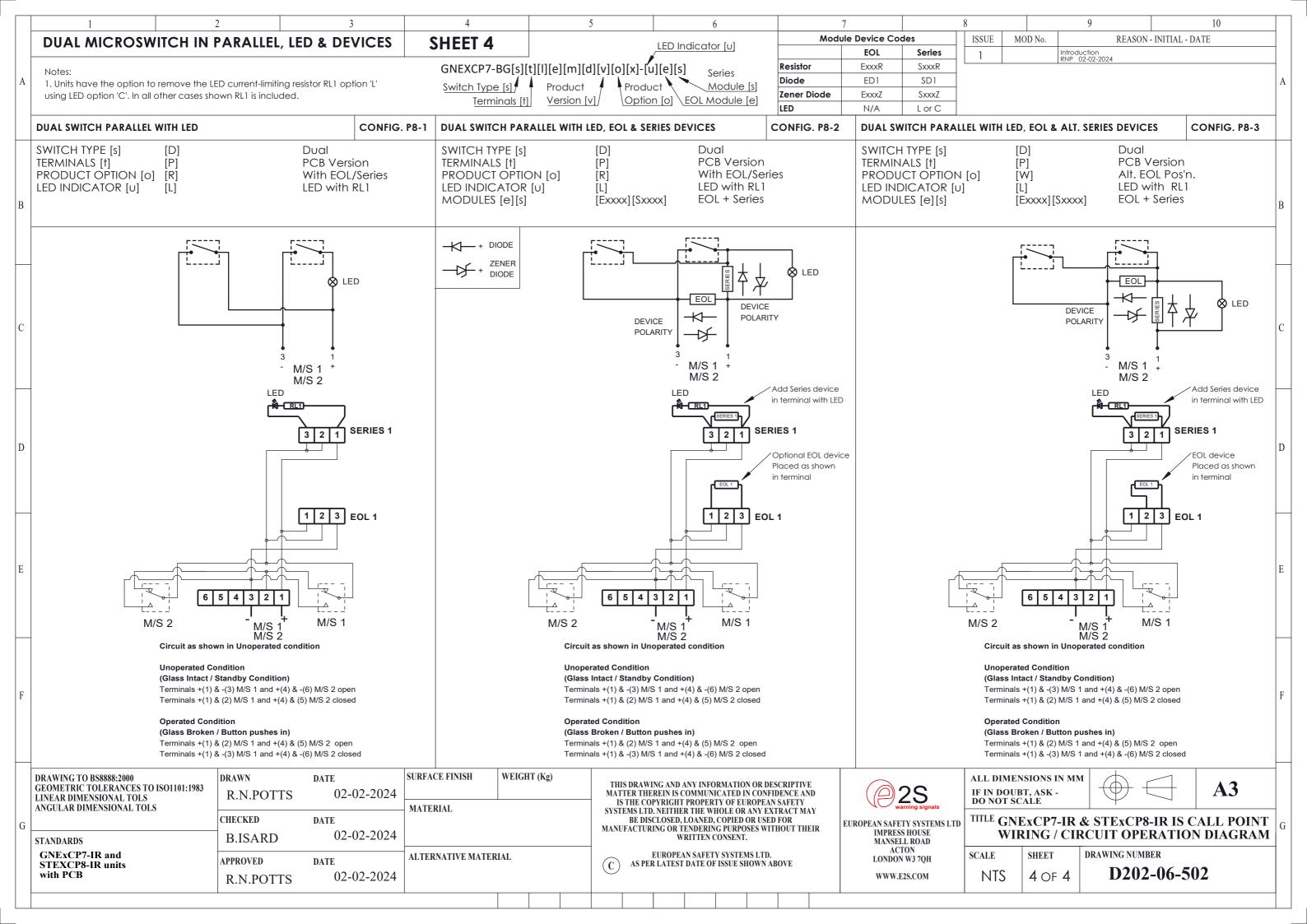
- Associated apparatus output current must be limited by a resistor such that the output voltage current plot is a straight line drawn between open-circuit voltage and short-circuit current.
- Installed should be in accordance with its manufacturer's control drawing and Article 504 of the National Electrical Code (ANSI/NFPA 70) for installation in the United States, or Section 18 of the Canadian Electrical Code for installations in Canada.
- Where the cable capacitance and inductance per foot are not known, the following values shall be used: Ccable = 60 pF/ft., Lcable = 0.2 μ H/ft.











EU Declaration of Conformity



Manufacturer: European Safety Systems Ltd.

Impress House, Mansell Road, Acton

London, W3 7QH **United Kingdom**

Authorised Representative: E2S Warnsignaltechnik UG

Charlottenstrasse 45-51

72764 Reutlingen

Germany

Equipment Type: STExCP8-BG-I, STExCP8-BG-IR

> STExCP8-PB-I, STExCP8-PM-I, STExCP8-PT-I, STExCP8-PB-IR, STExCP8-PM-IR, STExCP8-PT-IR

Directive 2014/34/EU: Equipment and Protective Systems for use in Potentially Explosive Atmospheres (ATEX)

Notified Body for EU type Examination (Module B): UL International Demko A/S

Notified Body No.: 0539

Borupvang 5A, 2750 Ballerup, Denmark

EU-type Examination Certificate (Module B): DEMKO 15ATEX1589X

Notified Body for Quality Assurance Notification / Conformity to EU-type Sira Certification Service Notified Body No.: 2813

quality assurance of the production process (Module D): CSA Group Netherlands B.V, Utrechtseweg 310, 6812 AR, Arnhem, Netherlands

Quality Assurance Notification (Module D): SIRA 05 ATEX M342 Provisions fulfilled by the equipment: II 1G Ex ia IIC T6...T4 Ga

Standards applied: EN 60079-0: 2018 EN 60079-11: 2012

<u>Directive 2014/30/EU: Electromagnetic Compatibility Directive (EMC)</u>

Standards applied: EN 61000-6-1:2007

EN 61000-6-2:2005

EN 61000-6-3:2007 / A1:2011 / AC: 2012

EN 61000-6-4:2007 / A1: 2011

Directive 2011/65/EU: Restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

The product and all the components contained within it are in accordance with the restriction of the use of hazardous substances in electrical and electronic equipment, including amendment by Directive 2015/863/EU.

Regulation (EC) 1907/2006: Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

The product and all the components contained within it are free from substances of very high concern.

Other Standards and Regulations

EN 60529:1992+A2:2013 - Degrees of protection provided by enclosures (IP code) - enclosure rated IP66

On behalf of European Safety Systems Ltd., I declare that, on the date the equipment accompanied by this declaration is placed on the market, the equipment conforms with all technical and regulatory requirements of the above listed directives, regulations and standards. This Declaration is issued under the sole responsibility of the manufacturer.

> Document No.: DC-116 Issue A **Quality Assurance Manager** Date and Place of Issue: London, 29/02/2024



UKCA Declaration of Conformity



Manufacturer: European Safety Systems Ltd.

Impress House, Mansell Road, Acton

London, W3 7QH United Kingdom

Equipment Type: STExCP8-BG-I, STExCP8-BG-IR

STExCP8-PB-I, STExCP8-PM-I, STExCP8-PT-I, STExCP8-PB-IR, STExCP8-PM-IR, STExCP8-PT-IR

<u>Directive UKSI 2016:1107 (as amended by UKSI 2019:696) – Schedule 3A, Part 1 : Product or Protective System Intended for use in Potentially Explosive Atmospheres (UKCA)</u>

Notified Body for UK type Examination (Module B): UL International (UK) Ltd

Notified Body No.: 0843

Unit 1-3 Horizon Kingsland Business Park, Wade Road,

Basingstoke, Hampshire RG24 8AH UK

UK-type Examination Certificate (Module B): UL21UKEX2133X

Notified Body for Quality Assurance Notification / Conformity to EU-type

Sira Certification Service Notified Body No.: 0518

based on

quality assurance of the production process (Module D):

Rake Lane, Eccleston, Chester CH4 9JN, UK

 Quality Assurance Notification (Module D):
 CSAE 22UKQAN0046

 Provisions fulfilled by the equipment:
 II 1G Ex ia IIC T6...T4 Ga

Standards applied: EN 60079-0:2018

EN 60079-11: 2012

Directive 2014/30/EU: Electromagnetic Compatibility Directive (EMC)

Standards applied: EN 61000-6-1:2007

EN 61000-6-2:2005

EN 61000-6-3:2007 / A1:2011 / AC: 2012

EN 61000-6-4:2007 / A1: 2011

Directive 2011/65/EU: Restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

The product and all the components contained within it are in accordance with the restriction of the use of hazardous substances in electrical and electronic equipment, including amendment by Directive 2015/863/EU.

Regulation (EC) 1907/2006: Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

The product and all the components contained within it are free from substances of very high concern.

Other Standards and Regulations

EN 60529:1992+A2:2013 - Degrees of protection provided by enclosures (IP code) — enclosure rated IP66

On behalf of European Safety Systems Ltd., I declare that, on the date the equipment accompanied by this declaration is placed on the market, the equipment conforms with all technical and regulatory requirements of the above listed directives, regulations and standards.

This Declaration is issued under the sole responsibility of the manufacturer.

Martin Street Quality Assurance Manager

Document No.: DC-118_Issue_A
Date and Place of Issue: London, 29/02/2024

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