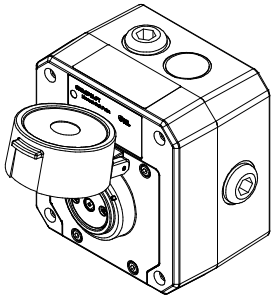
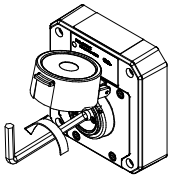
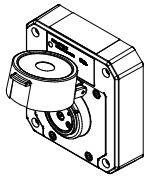


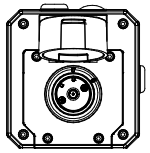
The call point switch will now change over its contacts to operate the alarm.

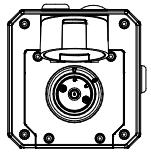
Once testing is complete the unit needs to be reset from the operated condition.

Using the special rest tool provided, rotate the tool reset button anticlockwise by an angle of 55°, see guide alignment marks on the button and cover, shown below (1). The tool reset button should pop back up to its original position.
Ensure that the tool reset button has also twisted back clockwise by 55° to its original position see guide marks on button and cover, shown below (2). The unit is now reset.



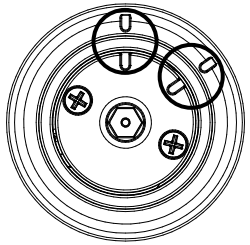






1. On operated unit twist tool reset button anticlockwise 55° with special key to reset

2. Button should pop up and twist back to original position



Note: use alignment marks circled to indicate the tool reset buttons status/position

Unit currently shown as ‘standby condition’

Resetting an operated unit is the same as resetting a tested unit.

INSTRUCTION MANUAL

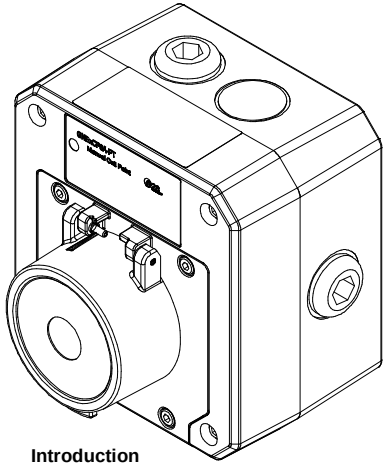
GNExCP6A-PT Tool Reset Manual Call Point

For use in Flammable Gas and Dust Atmospheres

GNExCP6A-PT

Manual Call Point – Tool reset

For use in Flammable Gas and Combustible Dust Atmospheres.



1) Introduction

The GNExCP6A-PT is a tool reset button manual call point which is certified to the European and International Gas and Dust standards. The unit meets the requirements of the ATEX directive 94/9/EC and IECEx scheme.

The call point can be used in hazardous areas where potentially flammable gas and dust atmospheres may be present.

The GNExCP6A-PT has no monitoring resistors. The units are Group II, EPL (equipment protection level) Gb. The equipment is certified ‘Ex e d IIC T6 Gb’ and as such may be used in Zones 1 and 2 with flammable gases and vapours with gas groups IIA, IIB & IIC and temperature classes T1, T2, T3, T4, T5 and T6.

These units are also Group III, EPL Db. The equipment is certified ‘Ex t IIIC T60ºC Db’ and as such may be used in Zones 21 and 22 for combustible dusts groups IIIA, IIIB & IIIC.

2) Marking

All units have a rating label, which carries the following important information:-

Unit Type No.:
GNExCP6A-PT Manual Call Point

Input Voltage:
AC voltage 250V Max Current 5.0A Max
DC voltage 50V Max Current 1.0A Max

Code:
Ex e d IIC T6 Gb
Ex t IIIC T60 ºC Db
IP66
–40ºC <= Ta <= +55ºC

Certificate No.:
SIRA 09ATEX3286X
IECEx SIR 09.0121X

Epsilon x: Ex II 2GD

CE Marking
Notified body No. CE 0518

Year/Serial No. i.e. 12/1CP6APT000001

WARNING - DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT

3) Type Approval Standards

The call point has an EC Type examination certificate issued by SIRA and have been approved to the following standards:-

IEC 60079-0:2007
EN 60079-1:2004 / IEC 60079-1:2003
EN 60079-7:2007 / IEC 60079-7:2006
IEC 60079-18:2009

EN 61241-1:2004 / IEC 61241-1:2004

The equipment is certified for use in ambient temperatures in the range -40°C to +55°C and shall not be used outside this range.

4) Installation Requirements
Installation of this equipment shall only be carried out by suitably trained personnel in accordance with the applicable code of practice e.g.

IEC 60079-14/EN 60079-14

A) Repair of this equipment shall only be carried out by the manufacturer or in accordance with the applicable code of practice e.g. IEC 60079-19/EN 60079-19.

B) The certification of this equipment relies on the following materials used in its construction:

Enclosure: GRP - Glass Reinforced Polyester

Through enclosure mechanism: Plastic Nylon Zytel Injection Moulded

Sealing of enclosure and mechanism: O-ring Acrylonitrile-Butadiene Rubber

If the equipment is likely to come into contact with aggressive substances, then it is the responsibility of the user to take suitable precautions that prevent it from being adversely affected, thus ensuring that the type of protection is not compromised.

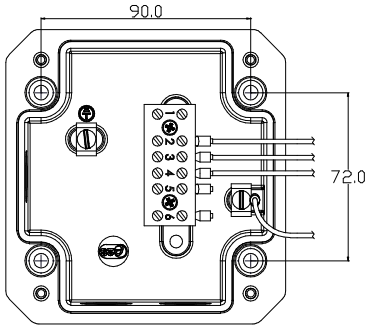
“Aggressive substances” - e.g. acidic liquids, gases or solvents that may affect polymeric materials.

“Suitable precautions” - e.g. regular checks as part of routine inspections or establishing from the material’s data sheet that it is resistant to specific chemicals.

Refer to certificates SIRA 09ATEX3286X and IECEx SIR 09.0121X for special conditions of safe use.

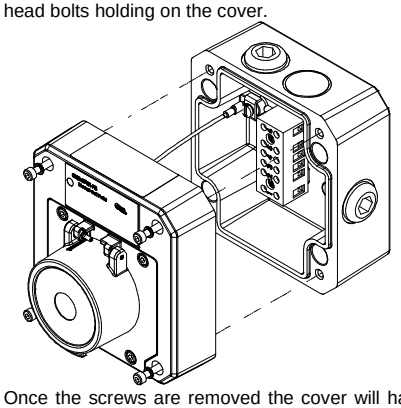
Under extreme conditions the unit may generate an ignition-capable level of electrostatic charges. The unit must not be installed in a location where it may be subjected to external conditions (such as high pressure steam) which may cause a build-up of electrostatic charges on non-conducting surfaces. Cleaning of the unit must only be carried out with a damp cloth.

5) Call Point 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 M4 sized fixings.

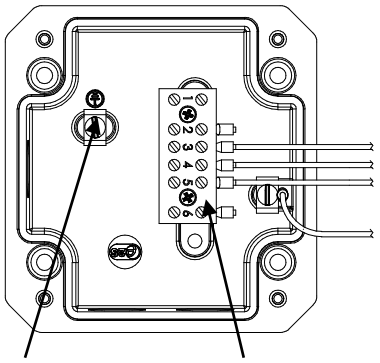


View of base unit showing fixing centres (in mm).

To gain access to the mounting holes in the base the front cover must be removed.
This is achieved by removing the 4 off M4 cap head bolts holding on the cover.


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

6) Earthing
The unit has an internal earth terminal.
It is recommended that a cable crimp lug is used on the earth wires.
The internal earth wire is placed under a earth clamp which will stop the cable twisting. This is secured by an M4 screw and spring washer.

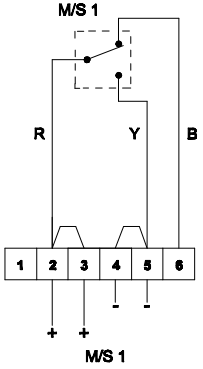

Internal Earth terminal

Ex e terminal block

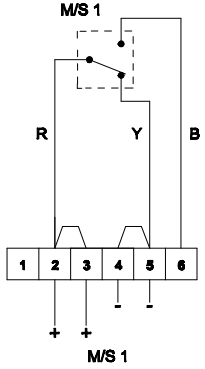
7) Cable connections
There are 3 off cable entries for M20x1.5 Ex e approved cable glands or stopping plugs with a minimum ingress protection of IP66.

The unit can be wired in a number of different ways depending whether normally open or normally closed contacts are required.

Single microswitch units:

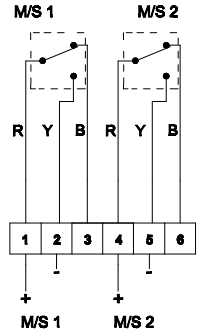


Unit in ‘Standby condition’ unoperated
Terminal +(2,3) & (6) switch contacts closed
Terminals +(2,3) & -(4,5) switch contacts open

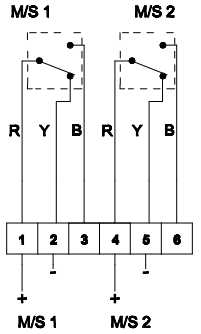


Unit in ‘Operated condition’ (button pushed in)
microswitch contacts changed over
Terminal +(2,3) & (6) switch contacts open
Terminals +(2,3) & -(4,5) switch contacts closed

Double microswitch units:



Unit in ‘Standby condition’ unoperated
Terminal +(1) & (3)
Terminal +(4) & (6) switch contacts closed
Terminals +(1) & -(2)
Terminals +(4) & -(5) switch contacts open



Unit in ‘Operated condition’ (button pushed in)
microswitch contacts changed over
Terminal +(1) & (3)
Terminal +(4) & (6) switch contacts open
Terminals +(1) & -(2)
Terminals +(4) & -(5) switch contacts closed

When wiring to Increased Safety terminal enclosures, you are only permitted to connect one wire into each way on the terminal block, unless a pair of wires are crimped into a suitable ferrule. Wire sizes allowable are 0.5sqmm to 4.0sqmm

The terminals are only permitted to be wired with cable in an ambient temperature range of between -10°C to 80°C. All terminal screws, used or unused, must be fully tightened down.

Leads connected to the terminals must be insulated for the appropriate voltage and this insulation must extend to within 1mm of the metal of the terminal throat.

8) Testing unit operation
The tool reset button unit can be tested without the need to replace any element.

To test, lift the cover lift flap to reveal the tool reset button. The button should be pressed into the body to activate the unit and place it into the operated condition.

EC DECLARATION OF CONFORMITY

Manufacturer: European Safety Systems Ltd.
Impress House, Mansell Road, Acton
London, W3 7QH, UK

Equipment Type: **GNExCP6A-BG, GNExCP6A-PB, GNExCP6A-PT, GNExCP6B-BG, GNExCP6B-PB, GNExCP6B-PT**

Directive 94/9/EC: Electrical and Mechanical equipment for use in explosive atmospheres (ATEX)

Notified Body for EC type Examination:	Sira Certification Service Notified Body No.: 0518 Rake Lane, Eccleston, Chester CH4 9JN, UK
EC-type Examination Certificate:	Sira 09ATEX3286X
Notified Body for Quality Assurance Notification:	Sira Certification Service Notified Body No.: 0518 Rake Lane, Eccleston, Chester CH4 9JN, UK
Quality Assurance Notification:	SIRA 05 ATEX M342
Provisions fulfilled by the equipment:	II 2 GD Ex e d IIC T6 Gb Ex t IIIC T60°C Db (-40°C ≤ Ta ≤ +55°C) or II 2 GD Ex e d mb IIC T4 Gb Ex t IIIC T80°C Db (-40°C ≤ Ta ≤ +50°C)
Standards applied:	IEC 60079-0:2007 Ed. 5 EN60079-1:2004 EN 60079-7:2007 IEC 60079-18:2009 Ed. 3 EN 61241-1:2004

Directive 2004/108/EC: Electromagnetic Compatibility Directive (EMC)

Standards applied:	EN 61000-6-1:2007 EN 61000-6-2:2005 EN 61000-6-3:2007 EN 61000-6-4:2007

The standards EN 60079-1:2004 and EN 61241-1:2004 are no longer harmonized. The requirements of these standards have been checked against the harmonized standards EN 60079-1:2007 and EN 60079-31:2009 and there were no major technical changes affecting the latest technical knowledge for the products listed above. Content of IEC 60079-0:2007 is identical to harmonized standard EN 60079-0:2009, content of IEC 60079-18:2009 is identical to harmonized standard EN60079-18:2009

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.

Martin Streetz
Quality Assurance Manager

Date and Place of Issue: London, 04/07/2012
Document No: DC-043-Issue_B

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