



172120

ZC6-MCP-IS Conventional Manual Call Point (Intrinsically Safe)

General

The ZC6-MPC-IS intrinsically safe callpoint, provides a manual means of raising an alarm in areas made hazardous by the presence of explosive gasses. Complying with EN54 Part 11, the unit carries full SIRA certification to ATEX Directive 94/9/EC.

Analogue or Conventional

The call point can be used in addressable systems by interfacing the intrinsically safe spur to the loop wiring via an addressable interface and galvanic isolator, or in conventional installations wired as a zone, again via a suitable barrier.

The MCP is operated either by pressing a re-settable element (EN54 Part 11) or by breaking a frangible glass with finger pressure. Glass elements have clear vinyl coatings on the front surface to prevent operator injury and to inhibit the release of loose fragments as the glass is broken. Both operating elements are easily interchangeable.

Push in terminals

ZC6-MCP-IS callpoints are designed for semi recessed fixing, using a standard single gang socket box, or can be surface mounted by means of a matching plastic back box. Push in terminals enable the device to be plugged directly into the detector IS zone wiring, making replacement simple and reducing internal cable ends to a minimum. System testing, glass replacement and reset are carried out by using a special maintenance tool enabling part of the front moulding, including the glass, to be lowered allowing the device to operate.

Optional front cover

For locations where malicious operation, or accidental impact from flying objects may occur, operation can be restricted by the addition of a clear, polycarbonate, front cover that can be further protected by a cover seal. In use the seal must be broken, prior to raising the front cover.



Details

- SIRA certificated
- Modern stylish design
- Resettable or frangible operating elements
- Plug in wiring connection
- Single maintenance tool

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Technical specifications

Electrical

Operating voltage	30 Vdc(max)
Operating principle	Micro switch

General

Compatibility	All ZC conventional systems via GBX2000 galvanic isolator, all ZP3 systems via A70E-2 loop interface and GBX2000 isolator
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Physical

Physical dimensions	Recessed - 93mm (H) x 89mm (W) x 27.5mm (D) surface with back box - 93mm (H) x 89mm (W) x 59.5mm (D)
Net weight	110g Flush 160g Surface
Colour	Red (RAL 3001)
Material	Moulded ABS
Cable specification	Two wire zone connection to local codes
Mounting	Addition of Z-CPSB-1 back box for surface or single gang socket box for semi flush fixing

Environmental

Operating temperature	-30 to +70°C
Relative humidity	0 to 95% (non condensing)
Environment	Indoor, IS
IP rating	IP24D

Standards & regulation

Certification	EN54-11
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Standards & Regulation

Certification	Ex II 1 G EExia IIC T4
EMC	CE marked (EEC89/336)

