



Overview

INDOOR MANUAL CALL POINT - INTRINSICALLY SAFE

The Intrinsically Safe MCP Indoor Call Point provides a dependable activation solution for hazardous environments, approved for explosive atmospheres in Group II (above ground) application, where conventional electrical devices cannot operate safely. Designed to meet ATEX Directive 94/9/EC requirements, it operates within Intrinsically Safe systems and must be used with approved I.S. barriers.

Engineered for modern fire and security installations, the IS MCP prioritises efficiency, flexibility, and full compliance with the latest standards. Its plug-and-play terminal block allows all wiring to be completed before connection to the unit, significantly reducing installation time and eliminating the need for re-termination. The design also supports both break-glass and resettable elements, enabling simple on-site configuration without additional parts.

The unit preserves system integrity: any illegal lid removal triggers the call point and puts the system into alarm. It includes both a resistor and a normally open clean contact option, selectable via the rear terminal block.

Features

- Unique «Plug & Play» Installation Concept
- Total «Flex-Ability» in the choice of operating element
- Anti-Tamper facility
- Enhanced aesthetics and compact design
- Fully approved to the latest standards

Material

- PC/ABS

IP 24D

EN54-11, ATEX & LPCB

0-93±3% Non-condensing

-10 to +55°C

APPROVALS & CONFORMITIES



Ordering Information

Voltage	Ordering Information	Additional Technical Information			
Maximum Voltage	Product Code	Electrical Configuration	Mounting	Operating Element	Marking
30vDC	MCP1A-R-470-SR-IS	470Ω Resistor & N\O	Surface	Glass	EN54-11

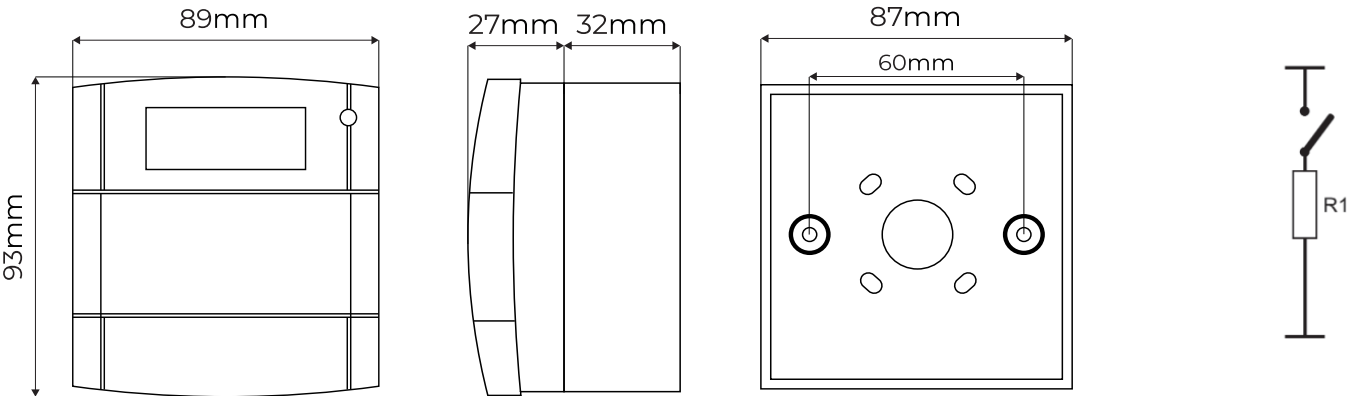
N\O = Normally Open Contact

Certification Information

Certification Approvals for Hazardous Area	
Certificates	• Sira 04ATEX2350X (ATEX), 166b/39 & 166b/40 (LPCB)
Groups	• Group II : Above Ground
EX Codes	• II 1G EEx ia IIC T4
Zones	• Gas Zone : 0, 1 & 2
Entity Parameters	• Ui = 30v • Ii = 500mA • Pi = 1W

Weights & Dimensional Drawings & Connection Details

Kg	Surface
Net Weight	0.180



APPROVALS & CONFORMITIES



System Installation

The IS Manual Call Point must be installed in accordance with the latest IEC & EN 60079-0, IEC & EN 60079-11 standards or equivalent IEC standards, with consideration for any local installation requirements, and should only be carried out by appropriately competent and qualified personnel.

Moflash Signalling is not able to offer any assistance with additional system parameters beyond that included on the installation sheet, and can not give advice on individual system installations. The system integrators should be contacted for any additional installation requirements.

Accessories

WARNING: Connection into these Call Points must be via a suitably rated Zener Barrier or Galvanic Isolator.

Never connect the Call Point directly to the voltage supply without a Barrier in place. Failure to do so will result in permanent damage to the PCB & void the warranty.

Product		Description	Part Code	Weight
Zener Barrier		Single Channel DC Zener Barrier Single Channel DC Z 728 (IS)	071788	0.150
		Single Channel AC Zener Barrier Single Channel AC Z 928 (IS)	071857	0.150
Galvanic Solenoid Driver		Single Channel Galvanic Solenoid Driver Single Channel KCDO-SD3-Ex1.1045 (IS)	304983	0.150
		Dual Channel Galvanic Solenoid Driver Dual Channel KFDO-SD2-Ex2.1045 (IS)	242032	0.100
Cable Gland + Washer & Lock Nut		M20 Nylon IP68 Cable Gland M20>IP68 + 2mm Washer & Lock Nut	50002	0.015

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