

Features

- ◇ Reusable button, that can be reset manually;
- ◇ Providing an independent output contact;
- ◇ Plug-in structure.

Description

C-9201 (Ex) Explosion Proof Manual Call Point (MCP) is installed in public places. When there is a fire, pressing the nearest MCP, alarm signal can be sent to the fire alarm control panel (FACP). And the control panel will show the code of I-9332 Interface connecting with the MCP, and give alarm sound.

The MCP is operated by pressing the mechanically latched button to reduce possibility of accidental alarm. There is a LED on the MCP, which is used to indicate its status.

Connection and Cabling

Terminals of the MCP are shown in Fig.1.

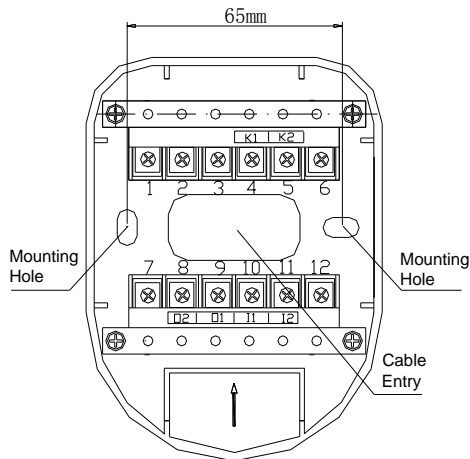


Fig.1

Connection:

I1, I2: Connecting to intrinsically safe side of the Safety Barrier

K1, K2: Normally open output terminals

O1, O2: Connecting to the next MCP

Recommended Wiring: Selecting intrinsically safe cable with cross section not less than 1.0mm^2 , and the capacity assigned among cables should not be over $0.04\mu\text{F}$, the inductance assigned not over 4.3mH . All wiring must be installed in compliance with the local codes.



Installation

Unplug the MCP, thread the cable through the cable entry of the base box and connect it to corresponding terminals, and plug the MCP back. The base of the MCP can be surface or flush mounted as shown in Fig.2 and Fig.3.

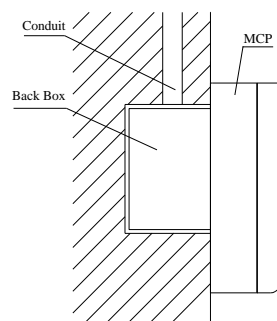


Fig.2

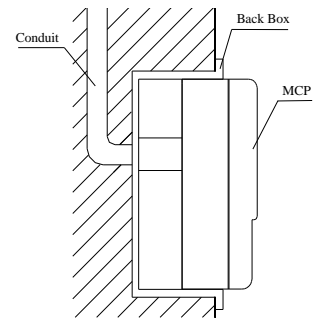


Fig.3

Warning: Before installing the MCP, disconnect the power from the loop and verify that all bases are securely installed and that the wiring polarity is correct at each base.

Application

Explosion Proof Manual Call Point is intrinsically safe, which is designed for flammable and explosive locations, such as petroleum and chemical industry. When the MCP is connected with I-9332 Interface, explosion-proof photoelectric smoke detector, and explosion-proof rate of rise and fixed temperature heat detector in series, a 4.7kΩ terminal resistor should be connected to the end of the output loop. Its system wiring is shown in Fig.4.

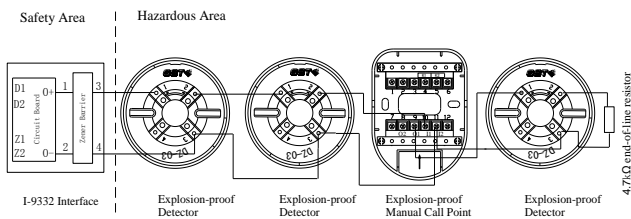


Fig.4

Notes:

- ✧ The total number of explosion proof detectors and explosion proof manual call point to be installed should not be over 10.
- ✧ Never carry out maintenance in field with power on. Please operate according to corresponding regulations.
- ✧ Products passed the explosion-proof test should not be replaced; furthermore, the components and the structure which would affect explosion-proof performance should not be modified without authorization.

Specification

Operating Voltage	24VDC (12VDC~28VDC)
Standby Current	0mA
Alarm Current	≤30mA
Fire LED	Red, illuminate when alarming
Output Capacity	Rating 60VDC/100mA passive output contact signal, contact resistance ≤100mΩ
Type of Initiating Part	Reusable
Initiating Mode	Pressing the glass manually
Reset Mode	Manually reset by a sucker
Explosion-proof Marking	ExibIICT6
Output Parameters of Safety Barrier	U _o =28V, I _o =93mA
Wiring	Two wire
Ingress Protection Rating	IP40
Environment Temperature	-20℃~+40℃
Relative Humidity	≤95%, no condensing
Material and Color of Enclosure	ABS, Red (PANTONE 185C)
Dimension	90mm×122mm×48.5mm
Mounting Hole Spacing	65mm
Weight	221g (with base)

Limited Warranty

GST warrants that the product will be free of charge for repairing and replacing from defects in design, materials and workmanship during the warranty period. This warranty doesn't cover any product that is found to have been improperly installed or used in any way not in accordance with the instructions supplied with the product. Anybody, including the agents, distributors or employees, is not in the position to amend the contents of this warranty. Please contact your local distributor for products not covered by this warranty.

This Data Sheet is subject to change without notice. Please contact GST for more information or questions.

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