MCP820

Indoor Addressable Break Glass Callpoint

ZETTLER

The MCP820 Addressable Break Glass Callpoint is an indoor manual callpoint.

The callpoint is designed to monitor and signal the condition of a switch contact that is operated by breaking a glass sheet. Any change in the status of the switch is immediately communicated to the control panel.

The MCP820 has an integral short-circuit isolator for monitoring the field wiring. The MCP820 callpoint meets the requirements of EN54 Pt. 11 and EN54 Pt. 17.

Mechanical Construction

The housing consists of a combined test, reset and lid release mechanism, main assembly and back box. These components retain the break glass element. A dual colour status indicator LED is provided at the front of the main assembly.

Mounting

The callpoint is not suitable for external mounting.

Operation

The MCP820 consists of a switch contact which is operated by breaking the glass sheet. When the callpoint is addressed by the control panel, it signals the condition of this switch contact to the control panel. The LED on the front of the callpoint is normally OFF, until the glass is broken, then it is turned ON until the glass is replaced. Incase of any emergency situation, the LED is illuminated in red to indicate the 'ALARM' condition.

The callpoint is resettable, it can be tested at any time with the aid of the callpoint test key provided. Insert the key fully into the bottom of the housing and pull down and remove, to release the bottom of the housing and break glass element. To reset the callpoint, slide the bottom of the housing upwards until it locks in position. If a section of the loop wiring adjacent to the MCP820 is shorted, the built in short-circuit isolator trips, isolating the shorted section. The LED is illuminated in yellow to indicate that the isolator is tripped. This status remains until the short is removed.



Features

- Communication and control interface to MZX Technology Fire Controllers
- Approved to EN54-13 ensuring system compatibility
- Integrated short-circuit isolator removes the need of installing a seprate short-circuit isolator
- Reduced installation costs
- Meets the requirements of EN54 Pt. 11 and EN54 Pt. 17.

Table 1 shows the technical specification information.

Parameter	Value
Material Housing	Flame Retardant ABS
Environment	Indoor applications
Operating Temperature	-10 to +55° C
Storage Temperature	-30 to +70° C
Operating Humidity	Up to 95 % non-condensing
Dimensions (HWD)	93 x 89 x 27.5 mm
Weight	110 g (without backbox)
Mounting Requirements	Surface/Flush Mounting
Approvals	Product family standard EN50130-4 in respect of Conducted Disturbances, Radiated Immunity, Electrostatic Discharge, Fast Transients and Slow High Energy EN61000-6-3 for emissions Construction Product Directive (CPD) fulfilling the requirements of: – EN 54-11:2001+A1:2006 for Manual Callpoints – EN 54-17:2005 for Short-Circuit Isolators

Table 2 shows the terminal information.

Description	Marking	Comment
Loop Interface	1	L+ IN
	2	L- Left
	3	L+ OUT
	4	L- Right

Ordering Information

514.800.611 MCP820 Break Glass Callpoint
515.001.119 MCP EN54 Pt11 Spare Glass (pk 5)
515.001.021 KAC Backbox

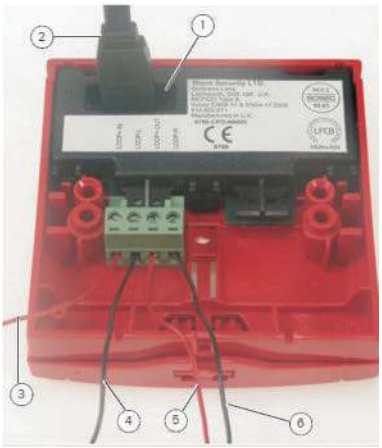


Fig. 2: MCP820 Rear View and Wiring Information

1 – Ancillary Programming Port
2 – Ancillary Programming Lead
3 – Connected to Loop+IN
4 – Connected to Loop-Left
5 – Connected to Loop+Out
6 – Connected to Loop-Right

ZETTLER, is a leading brand of fire detection products in the European market. The ZETTLER fire detection product line includes a wide range of EN54 CPD approved fire detection products carrying approvals and cross-listings, including VdS and NF. The ZETTLER product lines are available through ZETTLER Authorised Distributors as well as many Johnson Controls offices around the world.

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