CP820/CP820M Addressable Break Glass Callpoints (Indoor)
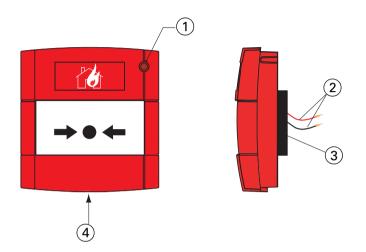

Fig. 1: CP820/CP820M Break Glass Callpoint
1 – Alarm indicator LED (red)
2 – Flying leads
3 – PCB cradle
4 – Test/release key access

Technical specification

- Type Identification Value: 129 (CP820) 131 (CP820M)
- System Compatibility: Use only with MX or MZX Fire Alarm Controllers
- Environment: Indoor Application only
- Operating Temperature: -10 °C to +55 °C
- Storage Temperature: -30 °C to +70 °C
- Operating Humidity: Up to 95 % non-condensing
- Dimensions (HWD): 93 x 89 x 59.5 mm (27.5 mm if flush mounted)
- Battery Requirements
    - Standby: 0.46 mA
    - Alarm: 4.5 mA
- Loop Voltage:
    - Min. 20
    - Typ. 37.5
    - Max. 38.4
- Electromagnetic Compatibility

The callpoint complies with the following:

– Product family standard EN 50130-4 in respect of Conducted Disturbances, Radiated Immunity, Electrostatic Discharge, Fast Transients and Slow High Energy

– EN 61000-6-3 for emissions

Introduction

The callpoints are designed to monitor and signal the condition of a switch contact that is operated by activating the break glass element. The type of alarm generated by the callpoint is configured in MX CONSYS.

The callpoints meets the requirements of EN54 Pt. 11.

The callpoint is fitted to a standard KAC surface mount plastic backbox, standard single gang metal plaster box (35 mm for flush mounting) or standard single gang metal plaster box (25 mm) with KAC backbox.

i Notice
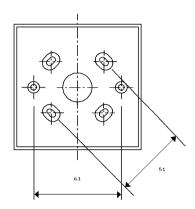Plaster boxes should have 20mm knockouts.

Fig. 2: CP820/CP820M Fixing Dimensions Surface Mounting

Address programming

The callpoint has a default factory set address of 255, this must be set to the loop address of the device using the 801AP MX Service Tool. The callpoint is programmed with its address using the programming port at the rear of the callpoint before mounting to the backbox as shown in Fig. 3.

i Notice
Once the address has been programmed take note of the device location and address number to include on site drawings.

Mounting

Mount to a standard KAC break glass callpoint housing, or standard single gang metal plaster box (35 mm for flush mounting or 25 mm) with KAC housing.

Cabling

Cables are to be selected in accordance with the MX design document. Cabling should be connected as shown in Fig. 5 on page 4 ensuring correct polarity. Couplers are to be used with MICC cable.

Wiring notes

- There are no user-required settings (such as switches or headers) on the callpoint.
- All conductors to be free of earths. For typical wiring configuration, see Fig. 5 on page 4..
- Verify the correct polarity of the wiring before connecting the callpoint to the addressable loop circuit. Fit the callpoint housing to the backbox.

Fig. 3: CP820/CP820M - Address Programming Ports
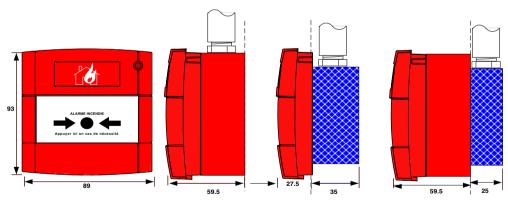*1– Address programming port*

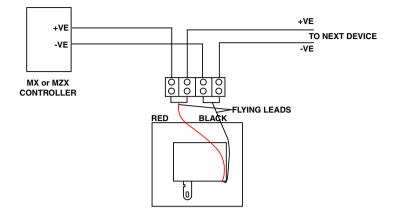*Fig. 4: CP820/CP820M - Overall and Fixing Dimensions*

Fig. 5: CP820/CP820M - Simplified Wiring Diagram

Ordering information

Item	Order Code
CP820 Break Glass Callpoint (ADT)	514.800.603.A
CP820 Break Glass Callpoint (Thorn)	514.800.603.T
CP820 Break Glass Callpoint (Tyco)	514.800.603.Y
CP820M Break Glass Callpoint (Marine)	514.800.605.T
MCP EN54 Pt11 Spare Glass (pk 5)	515.001.119
KAC Backbox	515.001.021

Fig. 6: Order codes