CP830/CP830M Weatherproof Break Glass Callpoint

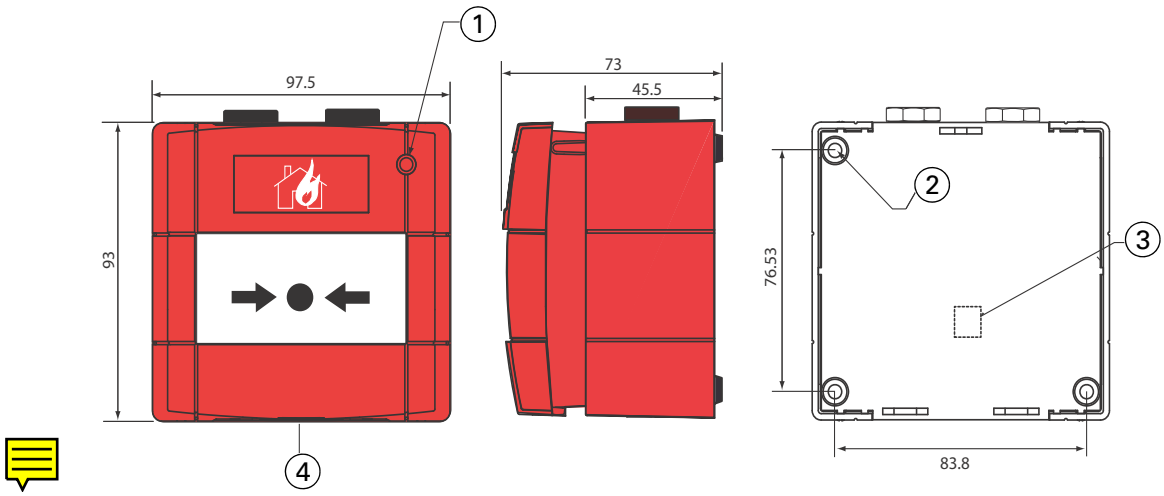

Fig. 1: CP830/CP830M Weatherproof Break Glass Callpoint - Overall and Fixing Dimensions
1– Alarm indicator LED (red)
2– ∅ 4.5 Fixing holes (3 places)
3– Earth continuity terminal (internal)
4– Test/release key access

Technical specification

- Type Identification Value 130 (132 Marine)
- System Compatibility: Use only with MX Fire Alarm Controllers
- Environment: Indoor/Outdoor applications
- Operating Temperature: -25 °C to +70 °C
- Storage Temperature: -30 °C to +70 °C
- Operating Humidity: Up to 95 % non-condensing
- Dimensions (HWD): 93 x 97.5 x 73 mm
- Battery Requirements
  - Standby: 0.46 mA
  - Alarm: 4.5 mA
- Loop Voltage
  - Min. 20
  - Typ. 37.5
  - Max. 38.4
- IP Rating: IP67
- Electromagnetic Compatibility

  The CP830/CP830M complies with the following:
  - 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

Introduction

The CP830/CP830M Weatherproof Addressable Break Glass Callpoints are designed to monitor and signal the condition of a switch contact that is operated by breaking a glass sheet (the CP830M is the Marine version of the CP830). The type of alarm generated by the callpoint is configured in MX CONSYS.

The CP830/CP830M are fitted into a standard KAC weatherproof backbox, which is supplied with the callpoint.

The CP830/CP830M callpoint meets the requirements of EN54 Pt. 11.

Address programming

The CP830/CP830M 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 CP830/CP830M is programmed with the address using the Programming Port (see Fig. 2).

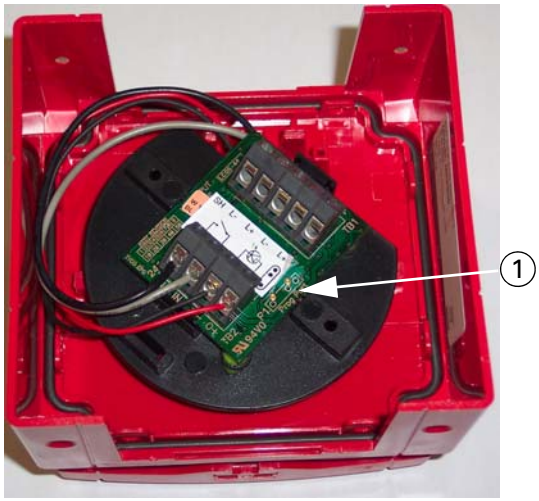

Fig. 2: CP830/CP830M Internal View
1– programming port

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

Wiring notes

- There are no user-required settings (such as switches or headers) on the CP830/CP830M.
- All wiring must conform to the current edition of IEE Wiring Regulations and BS5839 part 1.
- All conductors to be free of earths. For typical wiring configuration see Fig. 4.
- Verify the correct polarity of the wiring before connecting the CP830/CP830M to the addressable loop circuit. Fit front cover to backbox.

Ordering information

Item	Order Code
CP830 Break Glass Callpoint (ADT)	514.800.604.A
CP830 Break Glass Callpoint (Thorn)	514.800.604.T
CP830 Break Glass Callpoint (Tyco)	514.800.604.Y
CP830M Break Glass Callpoint (Marine)	514.800.606.T

Fig. 3: Order codes

Mounting & Cabling

Mount the backbox in the required location ensuring the orientation is as shown in Fig. 1 Cables are to be selected in accordance with Publication 17A-02-D and the requirements of the current issue of BS5839. Cabling should be connected as shown in Fig. 4, ensuring correct polarity. Couplers are to be used with MICC cable.

Reference Document
For additional information, refer to the CP830/CP830M Addressable Break Glass Callpoint (Outdoor) Installation Sheet, 120.415.979.

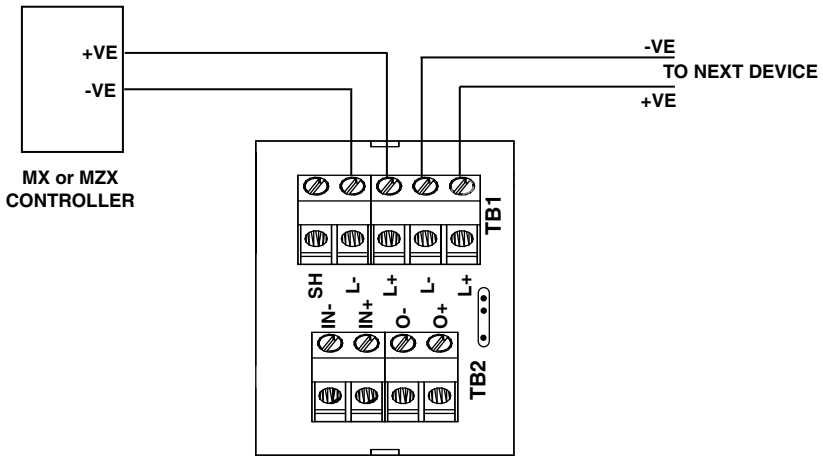

Fig. 4: CP830/CP830M Simplified Wiring Diagram

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