

CPR Information

 0832
Tyco Fire & Security GmbH Victor von Bruns-Strasse 21 8212 Neuhausen am Rheinfall Switzerland 15 DoP-2015-4061
EN 54-11: 2001 + A1: 2005 Addressable Type A outdoor manual call point for use in fire detection and alarm systems in buildings CP830
Essential Characteristics EN 54-11: 2001 + A1: 2005 Nominal activation conditions / Sensitivity and Performance under fire conditions: Pass Operational reliability: Pass Durability of operational reliability tempera- ture resistance: Pass Durability of operational reliability; vibration resistance: Pass Durability of operational reliability; humidity resistance: Pass Durability of operational reliability; corrosion resistance: Pass Durability of operational reliability; electrical stability: Pass
Installation Instructions 120.415.979_17A-03-CP830 Service Instructions 17A-04-S



CP830/CP830M/CP830ExN/
CP830ExN Weatherproof Break
Glass Callpoint

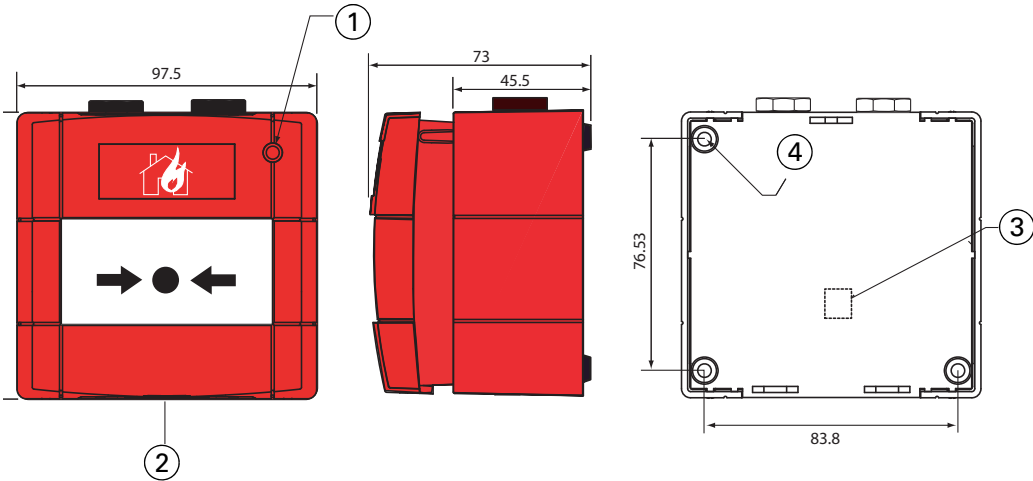


Fig. 1: CP830/CP830M/CP830ExN Weatherproof Break Glass Callpoint - Overall and Fixing Dimensions

1– Alarm indicator LED (red)
2– Ø 4.5 Fixing holes (3 places)
3– Earth continuity terminal (internal)
4– Test/release key access

Technical specification

Table 1 shows the technical specification information.

Parameter	Value
Type Identification Value	130 (132 Marine)
System Compatibility	Use only with MX Fire Alarm Controllers

Table 1: Technical Specifications

Parameter	Value
Environment	Indoor/Outdoor applications
Operating Temperature	-25 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

Table 1: Technical Specifications (cont.)

- Electromagnetic Compatibility
The CP830/CP830M/CP830ExN 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/CP830ExN 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 CP830ExN is the ‘n’ type protection for use in potentially explosive atmospheres). The

type of alarm generated by the callpoint is configured in MX CONSYS.
The CP830/CP830M/CP830ExN are fitted into a standard KAC weatherproof backbox, which is supplied with the callpoint.
The CP830/CP830M/CP830ExN callpoint meets the requirements of EN54 Pt. 11.

Address programming

The CP830/CP830M/CP830ExN 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/ 850 Engineering Management Tool. The CP830/CP830M/CP830ExN is programmed with the address using the Programming Port (see Fig. 2).

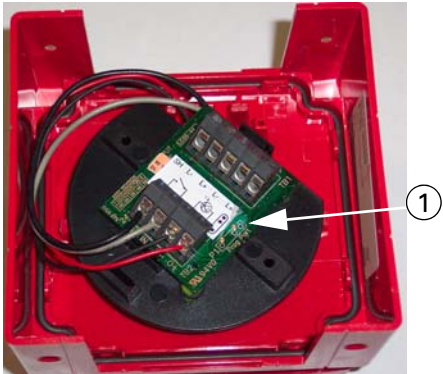


Fig. 2: CP830/CP830M/CP830ExN Internal View
1 – programming port

Notice

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

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 the local standards. Cabling should be connected as shown in Fig. 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 CP830/CP830M/CP830ExN.
- 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/CP830ExN to the addressable loop circuit. Fit front cover to backbox.

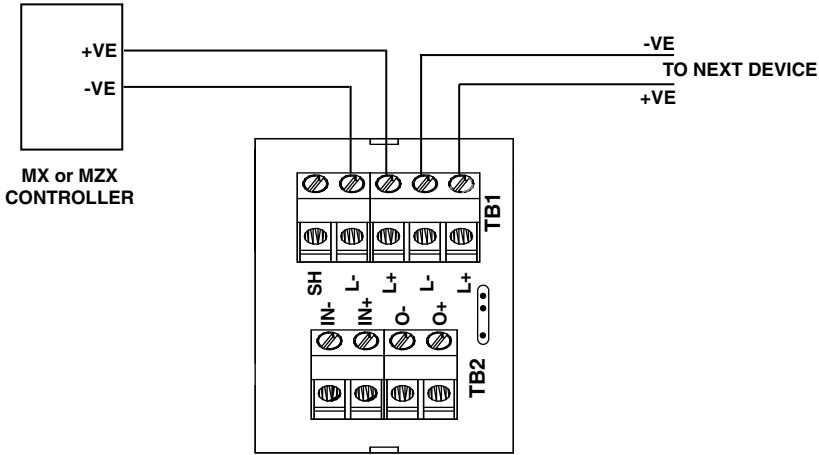


Fig. 4: CP830/CP830M/CP830ExN Simplified Wiring Diagram

Ordering information

Item	Order Code
CP830 Break Glass Callpoint (ADT)	514.800.604.A
CP830 Break Glass Callpoint (Tyco)	514.800.604.Y
CP830M Break Glass Callpoint (Thorn)	514.800.506
CP830M Break Glass Callpoint (Marine)	514.800.606.T
CP830 Break Glass Callpoint (ZETTLER)	514.800.607
CP830ExN "N" Type MX Address CP	514.800.514
MCP EN 54 Pt 11 Spare Glass (pk 5)	515.001.119

Fig. 3: Order codes