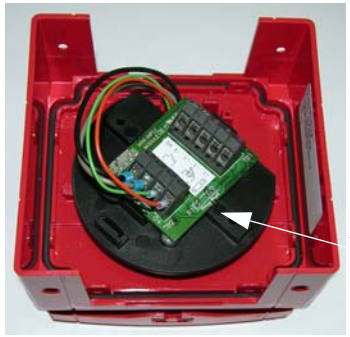

Fig. 3 CP830/830M/830ExN - Address Programming Ports

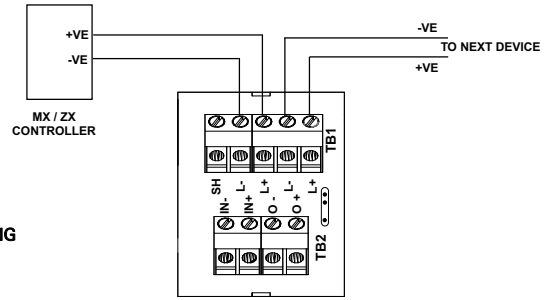

Fig. 4 CP830/830M/830ExN - Simplified Wiring Diagram

ORDERING INFORMATION

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 Marine Break Glass Callpoint	514.800.606.T
CP830 Break Glass Callpoint (ZETTLER)	514.800.607
MCP EN 54 Pt 11 Spare Glass (pk 5):	515.001.119

CPR INFORMATION

CE
0832

Tyco Fire & Security GmbH
Victor von Bruns-Strasse 21
8212 Neuhausen am Rheinfall
Switzerland
15
DoP-2015-4061

EN 54-17

Manual call point for fire detection & fire alarm systems for buildings

CP830

Essential Characteristics

EN54-17

Performance under fire conditions: Pass
Operational reliability: Pass
Durability of operational reliability temperature 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

CP830/830M Addressable Break Glass Callpoint (Outdoor)

Installation sheet 120.415.979_17A-03-CP830/830M/830ExN Doc. version 3

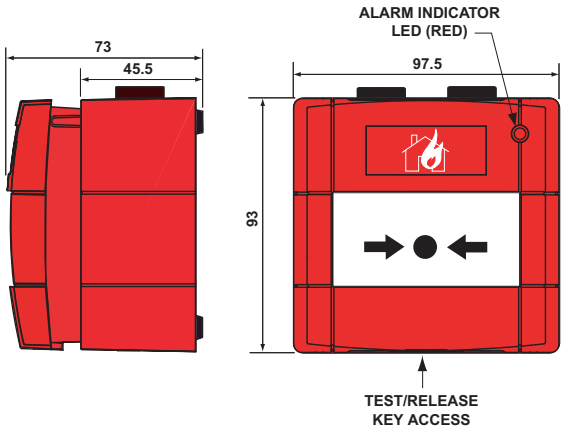

Fig. 1 CP830/830M/830ExN - Break Glass Callpoint

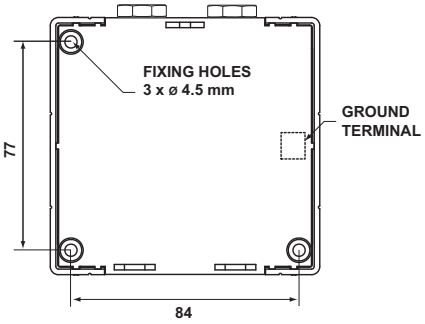

Fig. 2 CP830/830M/830ExN - Fixing Dimensions

TECHNICAL SPECIFICATION

Type Identification Value	130 (132 Marine)
System Compatibility	Use only with MZX/Marine/ ExN 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
IP Rating	IP67
Battery Requirements Standby: Alarm:	 0.46 mA 4.5 mA
Loop Voltage	Min: 20 Typ: 37.5 Max:40

Electromagnetic Compatibility

The CP830/830M/830ExN 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

CP830/830M/830ExN Weatherproof Addressable Break Glass Callpoints are designed to monitor and signal the condition of a switch contact that is operated by activating the break glass element (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 CP830/830M/830ExN callpoint meets the requirements of EN 54 Pt.11.

The CP830/830M/830ExN is fitted into a standard KAC weatherproof break glass callpoint housing.

ADDRESS PROGRAMMING

The CP830/830M 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/ 850EMT Engineering Management Tool. The CP830/830M/830ExN is programmed with its address using the programming port at the rear of the callpoint before mounting into the housing as shown in Fig. 3.

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

MOUNTING

Mount the backbox in the required location as shown in Fig. 2.

CABLING

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

1) There are no user-required settings (such as switches or headers) on the CP830/830M/830ExN.
2) All wiring must conform to the current edition of IEE Wiring Regulations and Local standards.
3) All conductors to be free of earths. For typical wiring configuration, see Fig. 4.
4) Verify the correct polarity of the wiring before connecting the CP830/830M/830ExN to the addressable loop circuit. Fit the callpoint housing to the backbox.