

MX TECHNOLOGY

Tyco CP830

*Analogue Addressable
Weatherproof Manual Call Point*

INFORMATION SHEET

DESCRIPTION

The CP830 Weatherproof surface-mounting Manual Call Point has a plastic coated frangible element to ensure safe and reliable operation, producing no dangerous glass shards. It is operated by simply pressing on the centre of the frangible element until it snaps, releasing a microswitch, which signals an alarm at the Tyco *MX* Control and Indicating Equipment (CIE). A hammer, or other impact device, is not required. The integral LED indicator will illuminate when an alarm is registered and may be programmed to blink when the CP830 is polled by the CIE.

The CP830 is compatible for use with the Vigilant *MX 1* Fire Alarm System.

The CP830 has an International Protection rating of IP67, making it suitable for outdoor applications.

INSTALLATION

Mount the backbox to a suitably flat surface in the required location, using the three fixing holes and screws provided in the installation kit.

**Ensure the cable entry holes are in the vertical plane.
The backbox can be mounted with either the single or double entry holes at the top.**

Fit the appropriate cable glands into the 20mm diameter threaded holes as required. Use only the supplied spare washers to fit the respective cable glands or hole stoppers.

The 2 hole stoppers with plastic washers are provided for use where cable glands are not required.

Ensure that all cable entry holes are securely sealed.

The recommended sealant is Loctite 5331.

Ensure that the gasket is correctly seated in its channel on the rear of the cover.

Place the call point squarely over the backbox and carefully push the call point until locating clips have engaged. Use the four fixing screws to lock the call point into place.

An Earth continuity terminal is situated in the rear of the backbox; it is designed to accommodate 2 conductors of up to 2.5mm sq. An earthing plate is provided for continuity of metal conduits.



SPECIFICATIONS

Loop Voltage ¹	20V to 40Vdc
Quiescent Current	275µA
Alarm State Current	2.8mA
Max. CP830 per Loop ²	250
Ambient Temperature	-25°C to +70°C
Storage Temperature	-40°C to +80°C
Relative Humidity	10% to 95% (non cond.)
Ingress Protection	IP67
Dimensions (HWD)	93 x 98 x 73 mm
Weight	240g
CSIRO ActivFire Listing	afp-2798 EN54-11(Type A):2001

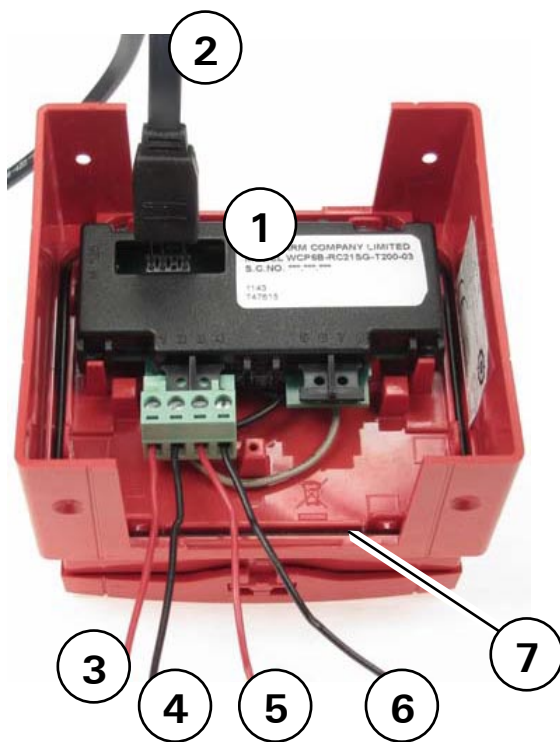
Part Numbers

Manual Call Point	5 14.800.604.Y
Frangible Element (pkt 5)	5 15.001.119
Test Key (pkt 10)	SC070

1. Addressable loop voltage supplied by *MX* CIE.

2. *MX 1* CIE. Refer to appropriate CIE design manuals for IB Units and Loop Loading specifications

CP830 REAR VIEW - WIRING DETAILS



- 1 Ancillary programming port
- 2 Ancillary programming lead
- 3 Connected to Loop + IN
- 4 Connected to Loop - IN
- 5 Connected to Loop + OUT
- 6 Connected to Loop - OUT
- 7 Gasket

COVER REMOVAL



Remove the four fixing screws used to lock the callpoint to the backbox.

Place the edge of a large flat bladed screwdriver into the slot between the callpoint cover and the backbox (item 8 at left).

Gently twist until the latches are disengaged.

Pull the cover away from the backbox.

TESTING

A test key is provided with each MCP to allow easy testing of the switch mechanism and wiring, without breaking the frangible element. The key is inserted into a slot in the base of the MCP, allowing the frangible element to drop away from the switch, thus activating it and registering an alarm at the CIE. Note: the key should not be left with the MCP after commissioning, but may be left inside the CIE for convenience.

Replacement frangible elements are available in packs of 5.