Specifications

**MX Loop Voltage**
- 20V to 40Vdc

**Quiescent Current**
- 275µA

**Alarm State Current**
- 2.8mA

**Max. CP830 / Loop**
- 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 73mm

**ActivFire Listed**
- afp-2798 [EN 54-11:2001]

**Part Numbers**
- 514.800.612 Manual Call Point
- 515.001.025 Frangible Glass Element (packet of 5)
- 515.001.127 Flexible Plastic Element
- SC070 Test Key (packet of 10)
- SU0615 Transparent Hinged Cover

The CP830 MX Addressable 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 MX Control and Indicating Equipment (CIE). The integral red 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 has an International Protection rating of IP67, making it suitable for outdoor applications. The CP830 does not have a formal UV exposure rating. Installation in full sun should be avoided. A transparent hinged cover can be fitted to help provide tamper protection. The cover must be lifted before the MCP can be operated.

Mounting

Mount the back box 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 back box 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 the 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 back box; it is designed to accommodate 2 conductors of up to 2.5mm sq. An earthing plate is provided for continuity of metal conduits.
Testing
A test key is provided with each MCP allowing easy testing, 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; activating it and registering an alarm at the CIE. Replacement frangible elements in glass or plastic are available.

Address Setting
The CP830 is shipped with a default (invalid) address of 255 and must be set to the correct loop address using an MX address programming tool and lead. Ensure that the pins of the ancillary programming lead are inserted completely into the lower row of the programming port for effective communication with the address programming tool.

Cover Removal
Remove the four fixing screws used to lock the call point to the back box.
Place the edge of a large flat bladed screwdriver into the slot between the call point cover and the back box (item 8 at right).
Gently twist until the latches are disengaged.
Pull the cover away from the back box.