PERTRONIC INDUSTRIES LTD

DATASHEET

Conventional Indicating MCP (CPPIN-3T)

Overview

Pertronic Industries' Conventional Manual Call-Point (CPPIN-3T) is a cost-effective, high-reliability conventional fire alarm activation device.

*Pertronic Conventional Indicating Manual Call-Point (CPPIN-3T)*

Features

- » Secure commissioning without the need to remove the Snapglaze frangible element
- » Push button latching switch with inbuilt LED indicator
- » Can be installed into a standard single gang flush box fitting
- » Low profile casing design
- » 'Snapglaze' plastic system snaps into place, designed for improved user safety compared to traditional break glass (Patent NZ Number: 272427)
- » Electronic components encapsulated to protect from damage
- » Terminals accept 0.5 mm² to 1.5 mm² cables
- » Bi-directional circuit connection terminals
- » The MCP clamps the circuit voltage at 2.3 Vdc
- » Reversal of the MCP causes a High Defect. The M-Level reached depends upon the number of devices on the circuit and the number reverse-connected.
- » Fully complies with NZS 4512:2010
- » Compatible with Pertronic Loop Responder, Apartment Module and fire panels

Specification

Operating Voltage		10 to 30 Vdc
Current	Quiescent	0 mA (Standby)
	Alarm	Panel dependent
Dimensions (H x W x D mm)	Semi-Flush Mount	115 x 115 x 15
	Surface Mount	115 x 115 x 53
Weight (g)	Semi-Flush Mount	200
	Surface Mount	250
Operating Temperature		0 °C to +40 °C
Operating Environment		10 to 95% RH (non-condensing)
Material		ABS Plastic
Colour		Red

Manual Call Point Connections

MCP Surface Mount Base   Surface Mounting   Flush Mounting
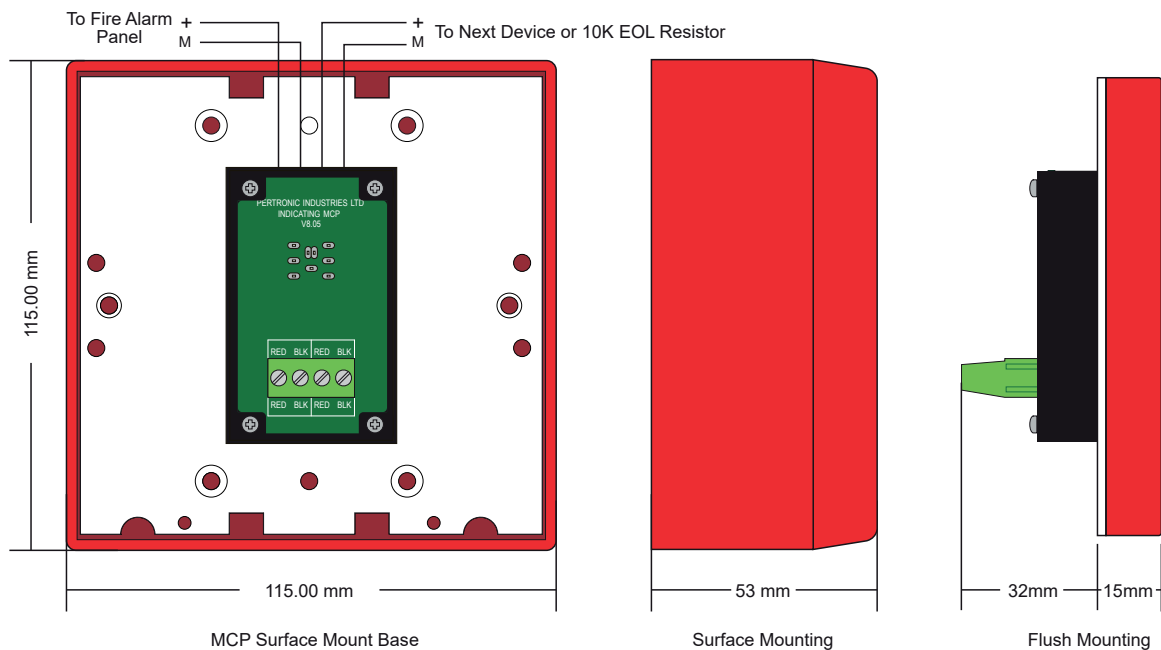
To prevent damage to the PCB, care MUST be taken to ensure cables do NOT come between the PCB and the back of the enclosure.

Manual Call-Point Wiring

- Ensure rear-entry holes are drilled outside the 'PCB Area' to avoid damaging the PCB.

- After terminating the cables, ensure that any excess cable is outside the indicated 'PCB Area' to prevent damaging the PCB when the Manual Call-Point is assembled.

- Keep cable length inside the enclosure to a maximum length of 150mm (6 inches). Alternately, push excess cable into the cavity outside the enclosure.

Commissioning

To ease the commissioning process, a custom made key is available that enables 100% functional testing of the MCP, simply insert the key in the hole located beneath the MCP (remove rubber bung if fitted).

MCP Test:

- Insert the key in the hole beneath the MCP

- Ensure the panel is isolated or in 'Walk Test' mode

- Push the key up until the key paddle lines up with the push button switch.

- Turn the key anticlockwise to activate the MCP into alarm - Note that the key has been designed so that it can also be used when the MCP is flush mounted.

- Once the MCP has been tested reverse the steps above to return the switch and MCP to normal.
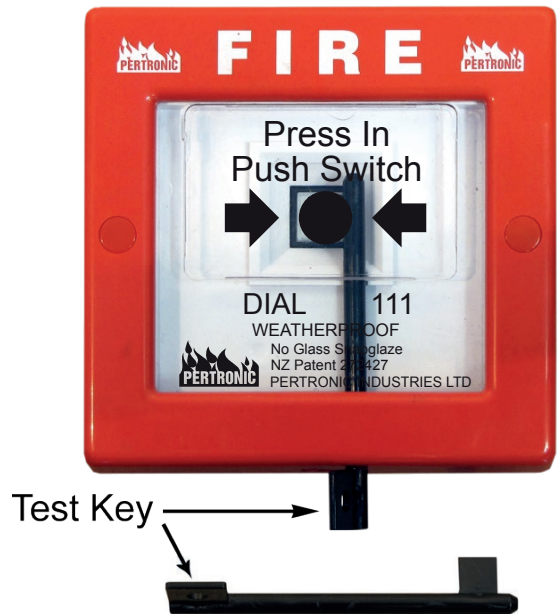
Ordering Information & Notes

Product Code	Description
CPPIN-3T	Conventional Indicating MCP- Testable
CPPSGWT	Screened 'Snapglaze' Window for testable MCP
CPPTK	Call Point Test Key
CPGT	Screened Testable MCP Glass