PERTRONIC INDUSTRIES LTD INSTALLATION NOTE
Weatherproof Conventional Indicating MCP (CPPIN-3TWP-MK2)

Overview:

The Pertronic Weatherproof Conventional Indicating MCP (CPPIN-3TWP-MK2) is an innovative, cost effective, easy-to-test solution for indoor and outdoor MCP installations. All internal components including the push-button switch are fully enclosed in a waterproof capsule.

Features:

- » Weatherproof (IP65)
- » Safe secure commissioning without the need to remove the Snapglaze element
- » Push-button latching switch with inbuilt LED indicator
- » Low profile design
- » Electronic components protected from damage
- » Designed to fit into a standard flush-box fitting
- » Snapglaze frangible element for improved user safety
- » Crimp-splice termination
- » Bi-directional circuit connection terminals
- » The MCP clamps the circuit voltage at 2.3 V_{DC}
- » Reverse polarity wiring of the MCP gives a defect warning on the Fire Alarm Panel
- » Fully complies with NZS 4512: 2003

Specifications:

- » Dimensions: Surface Mount 115 mm (height) x115 mm (width) x 53 mm (depth)
  Semi-Flush Mount 115 mm (height) x115 mm (width) x 15 mm (depth)
- » Electrical: Operating Voltage 10 to 30 V_{DC}
  Quiescent Current 0 mA
  Alarm Current Panel dependent
- » Indicators: MCP Poll Switch illuminates and flashes Red
  MCP Activated Switch illuminates and latches Red
- » Environmental: Operating Temperature -10 °C to 50 °C
  Humidity Waterproof
  Ingress Protection IP65

Compatibility:

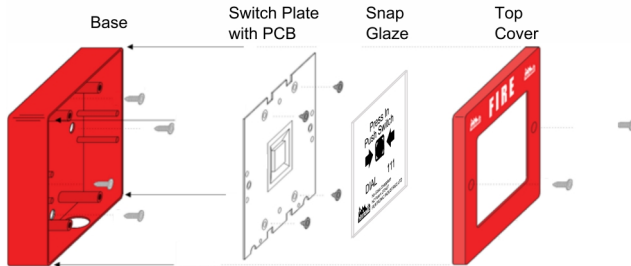Indicating Manual Call-Points are compatible with the following products:

Product	MCP Hardware Version	Panel Software Version	Release Date
F1	v1.0 & above	v2.3 & above	November 2003
F1-2W	v6.0 & above	v9.04 & above	March 2007
F4	v1.0 & above	v2.26 & above	November 2003
F4-2W	v6.0 & above	v9.0 & above	March 2007
F16	v1.0 & above	v7.0 & above	November 2003
F16e	v1.0 & above	v1.10N & above	June 2004
Loop Responder	v1.0 & above	v3.00N & above	May 2004
Apartment Module	v1.02 & above	V1.00N & above	Feb 2006

PERTRONIC INDUSTRIES LTD INSTALLATION NOTE
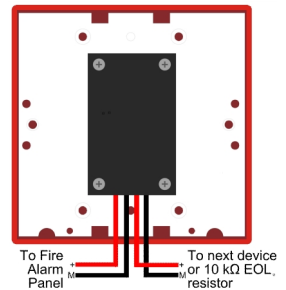## Weatherproof Conventional Indicating MCP (CPPIN-3TWP-MK2)

Manual Call-Point Assembly:

Base | Switch Plate with PCB | Snap Glaze | Top Cover

To prevent damage to the PCB, TAKE CARE to ensure cables do NOT come between the PCB and the back of the enclosure.

Manual Call-Point Wiring:

» To ensure water drains away from the PCB, make sure the cable entry hole is at the bottom of the enclosure.

» If the cables come in from behind, make sure the cable entry holes are not directly behind the PCB area.

» After terminating the cables, ensure that any excess cable is outside the area behind the 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.
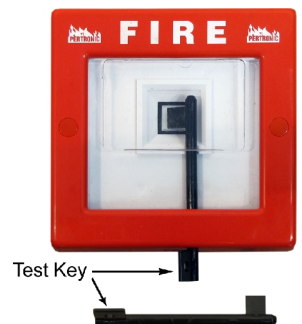
Commissioning:

To ease the commissioning process, a test key is available that enables alarm functional testing of the MCP. The test key may be used with surface or semi-flush mounted MCPs.

To test the Manual Call Point:

» Ensure the panel is in 'Walk Test' mode.

» Insert the key in the hole located beneath the MCP.

» 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**.

After testing the MCP, reverse the above steps to return the switch and MCP to normal.

To Fire Alarm Panel | To next device or 10 kΩ EOL resistor

Test Key

Ordering Information

Description	Code
Weatherproof Conventional Indicating Call-Point	CPPIN-3TWP-MK2
Replacement 'Snapglaze' Window (Press In Push Switch) text	CPPSGWT
Activation Key (Approved Agents only)	CPPTK