

PERTRONIC INDUSTRIES LTD INSTALLATION NOTE

Weatherproof Conventional Indicating MCP (CPPIN-3TWP)



Overview:

Pertronic Industries' Weatherproof Conventional Indicating MCP (CPPIN-3TWP) has been designed to provide customers with an innovative, cost effective, easy-to-test solution for MCP installations that require a weatherproof (IP54) rating. Pertronic Industries has combined proven design techniques with the latest technology to provide a highly reliable weatherproof conventional MCP.

Features:

- Weatherproof (IP54) when surface mounted.
- 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.
- MCP activated indication.
- 'Weatherproof Snapglaze' frangible element for improved user safety.
- Terminals accept 0.5mm² to 1.5mm² cables.
- Bi-directional circuit connection terminals.
- The MCP clamps the circuit voltage at 2.3Vdc.
- Reverse polarity wiring of the MCP gives a defect warning on the Fire Alarm Panel.
- Fully complies with NZS 4512:2003.

Specifications:

- Dimensions:	115mm (height) x115mm (width) x 15mm (depth above flush-box)
	Designed to fit into a standard flush-box fitting
- Electrical:	Operating Voltage 10 to 30Vdc
	Quiescent Current 0mA
	Alarm Current Panel Dependent
- MCP Indicators	MCP Poll Switch Illuminates and flashes Red
	MCP Activated Switch Illuminates and latches Red
- Environmental:	Operating Temperature 0 to 40°C
	Humidity 10 to 95% RH (non-condensing)

Compatibility:

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

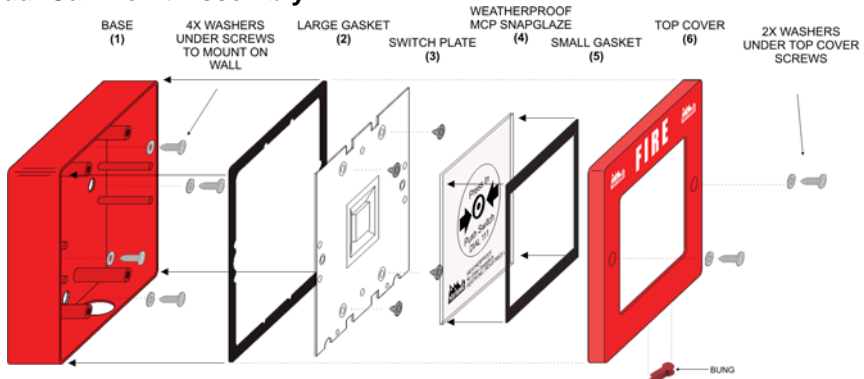
Product	MCP Hardware Version	Panel Software Version	Release Date
F1	v1.0 & above	v2.3 & above	November 2003
F1-2W	v6.0 & above	v9.04 & above	March 2007
F4	v1.0 & above	v2.26 & above	November 2003
F4-2W	v6.0 & above	v9.0 & above	March 2007
F16	v1.0 & above	v7.0 & above	November 2003
F16e	v1.0 & above	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

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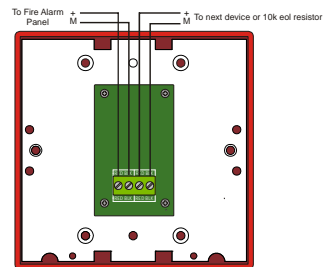
Manual Call-Point Assembly:



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.
- Ensure all cable entries are sufficiently sealed to meet the required IP rating.



Commissioning:

To ease the commissioning process, a custom made key is available that enables alarm functional testing of the MCP.

To test the MCP, simply remove the bung, and insert the Key in the hole located beneath the MCP (First ensure the Panel is in the 'Walk Test' mode). Push the key up into the hole until the key paddle lines up with the push button switch. Turn the key anticlockwise to activate the MCP into Alarm. The Key has been designed so that it can also be used when the MCP is flush mounted.

Once the MCP has been tested, repeat the above step to return the switch and MCP to normal.

Product Code:

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