

# PERTRONIC INDUSTRIES LTD INSTALLATION NOTE

## Weatherproof Analogue MCP (AAMCP-TWP)



### Overview:

Pertronic Industries' Weatherproof Manual Call Point (AAMCP-TWP) 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 analogue addressable MCP.

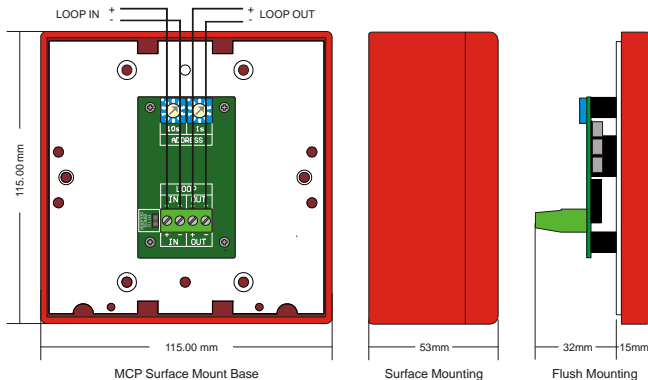
### Features:

- Weatherproof (IP54) when surface mounted.
- Built in Short Circuit Isolator with bypass jumper.
- Safe and Secure Commissioning without the need to remove the Snapglaze.
- Push-button latching switch with inbuilt bi-colour LED indicator.
- Indication for both alarm and isolator activation.
- Weatherproof 'Snapglaze' frangible element for improved user safety.
- Terminals accept 0.5mm<sup>2</sup> to 1.5mm<sup>2</sup> cables.
- 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
- Power Connection: Standard 100A and F120A analogue loop  
Quiescent Current 1.8mA  
Alarm / Isolate Active Current 11mA
- Indicators: MCP Poll Switch Illuminates and flashes Red,  
MCP Activated Switch Illuminates and latches Red,  
MCP Isolator Activated Panel indicates 'Alarm'  
Switch Illuminates Yellow  
Panel indicates 'Defect'
- Environmental: Operating Temperature 0 to 40°C  
Humidity 10 to 95% RH (non-condensing)

### Manual Call-Point Connections:



**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.**

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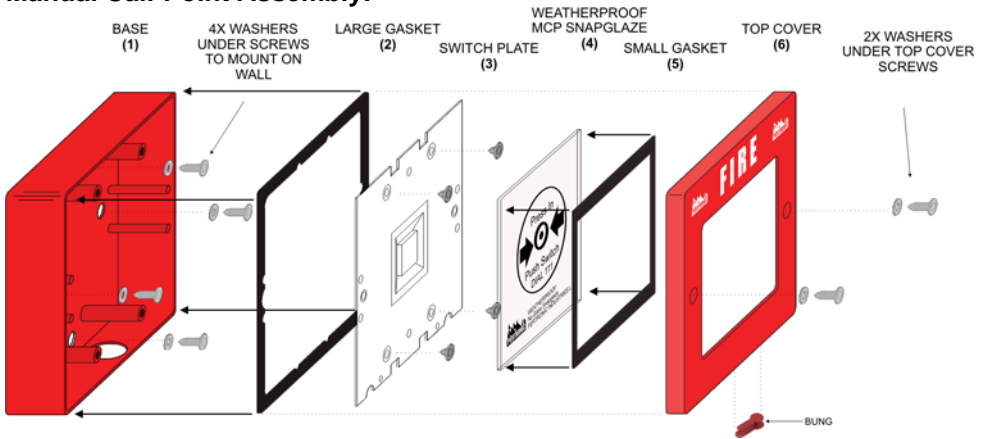
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### Manual Call-Point Wiring:

- 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.

### Manual Call-Point Assembly:



### 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, 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 Analogue Call-Point  | AAMCP-TWP |
| Weatherproof Replacement 'Snapglaze' Window (Press In Push Switch) text | CPPSGWTWP |
| Activation Key  | CPPTK     |
| Spare Keyhole Bung  | CPKHBUNG  |