

# PERTRONIC INDUSTRIES LTD

## INSTALLATION NOTE Pertronic Analogue MCP (AAMCPT)



### Overview:

Pertronic Industries' Analogue MCP (AAMCPT) has been designed to provide customers with an innovative cost effective easy to test solution for MCP installation. Pertronic Industries has combined proven design techniques with the latest technology to provide a highly reliable analogue addressable MCP.

### Features:

- Built in Short Circuit Isolator with bypass jumper.
- Safe Secure Commissioning without the need to remove the Snapglaze.
- Can be installed into a standard single gang flush box fitting.
- Push button latching switch with inbuilt bi-colour LED indicator.
- Indication for both alarm and isolator activation
- 'Snapglaze' frangible element for improved user safety (Patent NZ Number: 272427).
- Terminals accept 0.5mm<sup>2</sup> to 1.5mm<sup>2</sup> cables.
- Fully complies with NZS 4512:2003.

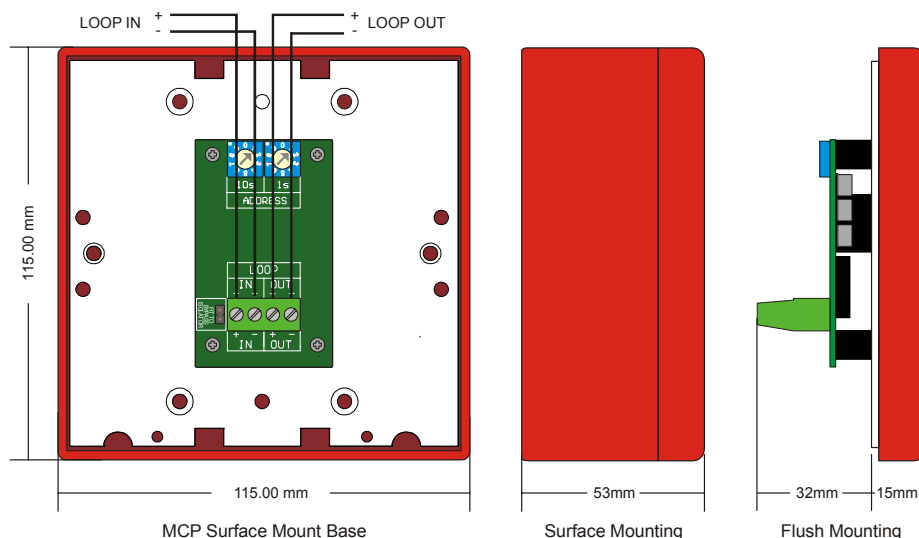
### Specifications:

- Dimensions: 115mm(height) x 115mm(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 12mA
- Indicators:
 

MCP Poll	Switch Illuminates and flashes Red,
MCP Activated	Switch Illuminates and latches Red,
	Panel indicates 'Alarm'
MCP Isolator Activated	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.**



**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.

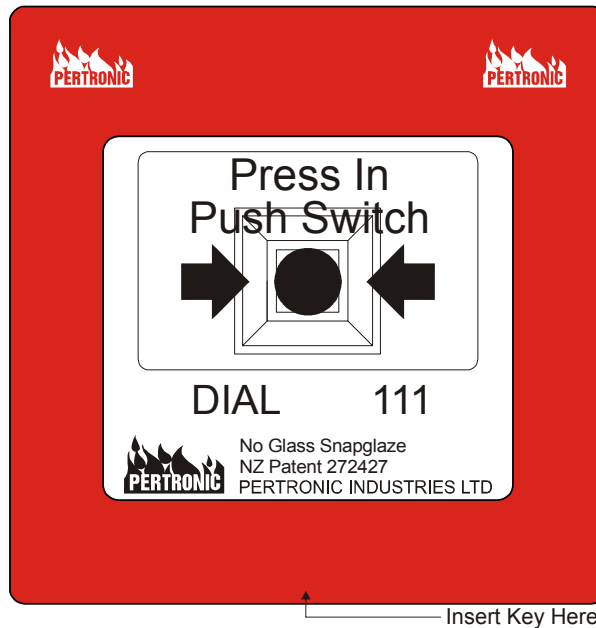
**Commissioning:**

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

To test the MCP simply 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.

**Manual Call-Point Key-Location:**



**Product Code:**

Description	Code
Analogue Call-Point	AAMCPT
Replacement 'Snapglaze' Window (Press In Push Switch) text	CPPSGWT
Activation Key (Approved Agents only)	CPPTK
Replacement Glass (Break Glass Push Switch) text	CPGT