PERTRONIC INDUSTRIES LTD INSTALLATION NOTE
Weatherproof Analogue MCP (AAMCP-TWP-MK2)

Overview:

The Pertronic Weatherproof Manual Call Point (AAMCP-TWP-MK2) is an innovative, cost effective, easy-to-test solution for indoor and outdoor MCP installations. Pertronic Industries has combined proven design techniques with the latest technology to provide a highly reliable weatherproof analogue addressable MCP. 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 bi-colour LED indicator

» Indication for both alarm and isolator activation

» Low profile design

» Designed to fit into a standard flush-box fitting

» Snapglaze frangible element for improved user safety

» Electronic components protected from damage

» Crimp-splice termination
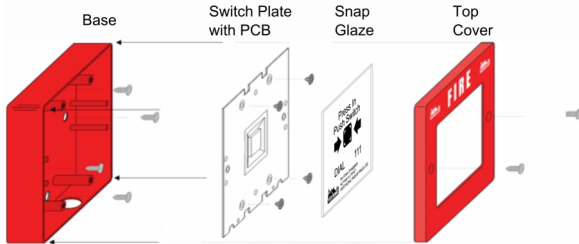
» Fully complies with NZS 4512: 2003

Specifications:

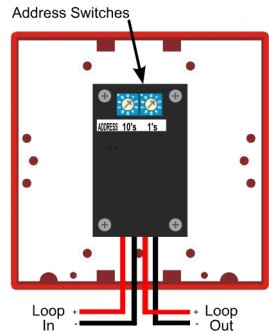|			
» Dimensions:	Surface Mount	115 mm (height) x115 mm (width) x 53 mm (depth)	
	Semi-Flush Mount	115 mm (height) x115 mm (width) x 15 mm (depth)	
» Power Connection:	Standard 100A and F120A analogue loop		
	Quiescent Current	1.8mA	
	Alarm / Isolate Active Current	11mA	
» Indicators:	MCP Poll	Switch Illuminates and flashes Red,	
	MCP Activated	Switch Illuminates and latches Red,	
		Panel indicates 'Alarm'	
» MCP Isolator Activated		Switch Illuminates Yellow	
		Panel indicates 'Defect'	
» Environmental:	Operating Temperature	-10 °C to 50 °C	
	Humidity	Waterproof	
	Ingress Protection	IP65	

Manual Call-Point Assembly:

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:

Address Switches

» Set the desired analogue address on the address switches.

» 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.

Loop In + − / + − Loop Out

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.

Test Key

Ordering Information:

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