PERTRONIC INDUSTRIES LTD
Pertronic Conventional Indicating MCP (CPPIN-3T)

Product Overview:

The **Pertronic** Indicating Manual Call-Point is a high-reliability conventional Fire Alarm activation device with a compact, aesthetically pleasing, low profile design.

Features:

- High reliability Fire Alarm activation device.
- Safe Secure Commissioning without the need to remove the Snapglaze.
- Push button latching switch with inbuilt LED indicator.
- Can be installed into a standard single gang flush box fitting.
- Low Profile Design.
- Electronic components protected from damage.
- 'Snapglaze' frangible element for improved user safety (Patent NZ Number: 272427).
- Terminals accept 0.5mm2 to 1.5mm2 cables.
- Bi-directional circuit connection terminals
- The MCP clamps the circuit voltage at 2.3Vdc
- Compatible with 12V Bell reversal of F4-2W and F1-2W systems.
- For non-2W panels, reversal of the MCP causes a High Defect – the M-Level reached depends upon the number of devices on the circuit and the number reverse-connected.
- 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:
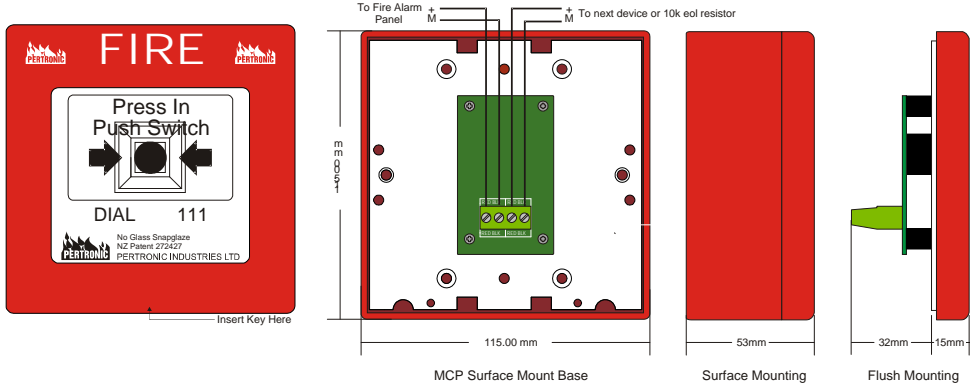
Product	MCP Hardware Version	Panel Software Version	Release Date
F1	v1.0 & above	v2.3 & above	November 2003
F1-2W	v6.0 & above	v9.04 & above	March 2007
F4	v1.0 & above	v2.26 & above	November 2003
F4-2W	v6.0 & above	v9.0 & above	March 2007
F16	v1.0 & above	v7.0 & above	November 2003
F16e	v1.0 & above	v1.10N & above	June 2004
Loop Responder	v1.0 & above	v3.00N & above	May 2004
Apartment Module	v1.2 & above	v1.00N & above	Feb 2006

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Manual Call-Point Connections:

FIRE

Press In
Push Switch

DIAL   111

No Glass Snapglaze
NZ Patent 272427
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Insert Key Here

To Fire Alarm Panel   To next device or 10k eol resistor

150mm

115.00 mm

MCP Surface Mount Base

53mm

Surface Mounting

32mm   15mm

Flush Mounting

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 100% 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.

Product Code:

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