

VNCPI-W

Conventional Outdoor Manual Callpoint (MCP)

Features

- Conventional Outdoor MCP
- Plastic resettable element
- Clear plastic cover – lift to access element
- Compatible with Vigilant FP1600, Sigma 5, Alpha 4 and MX1 and MX4428 via DDM800, AZM800 and 4mA ADR on MX4428
- Low alarm voltage for fast alarm on compatible panels
- Wide operating voltage range
- Red alarm LED
- Easily tested with test key
- Latched alarm operation
- NZS 4512:2010 approved and FPANZ listed
- IP67 dust and water protection

The VNCPI-W is a conventional indicating manual callpoint (MCP) that is suitable for outdoor applications.

It is supplied with a plastic resettable element, which deforms when pressed in to release a microswitch. The element is not destroyed and can be reused many times by resetting the MCP using the test/reset key provided.

A clear plastic cover, which must be lifted to gain access to the element, provides protection against accidental activation.

The MCP is easily tested using the test/reset key.

The alarm voltage generated by the MCP is lower than that of most smoke detectors, so on compatible fire alarm panels the MCP alarm is instant, while smoke detector alarms can be gated/verified.

Activation is shown by a red alarm LED, which latches on until the element is restored and the fire panel alarm condition is reset.

The MCP is surface mounted using the integral back box. This provides an IP 67 level of protection to dust and water.

The MCP is approved to NZS 4512:2010 and is FPANZ listed.



VNCPI-W

Specifications

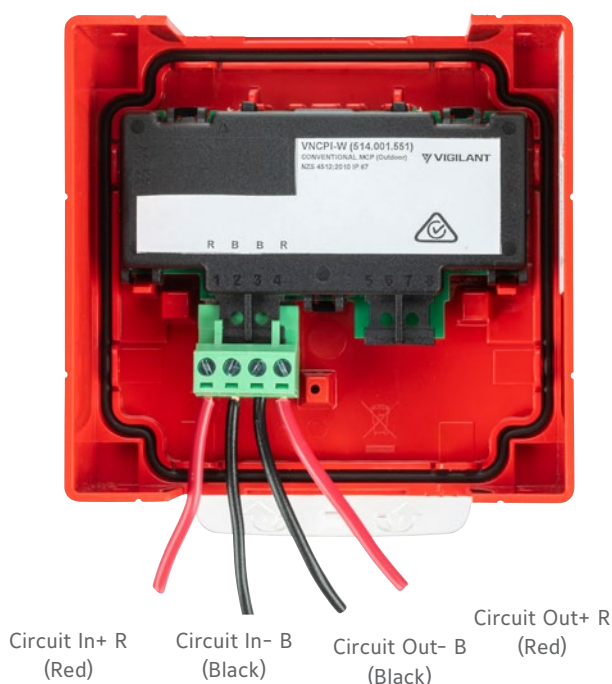
Operating Voltage	9.5 – 28Vdc
Quiescent Current	20µA @ 20V
Alarm Voltage	1.6 – 3.5V
Alarm State Current	5mA min – 60mA max
Environment	Outdoor application
Mounting	Surface
Operating Temperature	-10 to +55°C
Storage Temperature	-30 to +70°C
Operating Humidity	Up to 95% non-condensing
Material	Flame Retardant ABS
Ingress Protection	IP67
Dimensions	105 x 99 x 80 mm (HWD)
Weight	330g
FPANZ Listing	VF/683

Part Numbers

514.001.551	VNCPI-W Outdoor Conventional MCP
515.001.127	Replacement resettable element – blank (pack of 5)
FA2728	Replacement Resettable Element "Vigilant" (pack of 5)
SU0272	Spare plastic cover
SC070	Test/Reset Key (pack of 10)

Installation and wiring details

1. Choose appropriate cable entry holes in the back box and remove the plugs (if fitted). The holes must be at the top and bottom of the back box once it is mounted, preferably with the cable entry/exit at the bottom.
2. Fit appropriate cable glands (e.g., IP68 cable gland M20 RS 6694673) to the cable entry/exit holes. Apply a thread sealant such as Loctite 5331.
3. Screw plugs with the supplied plastic washers into the unused entry holes. Apply a thread sealant.
4. If required, fit the metal earthing plate. This may be required to maintain electrical continuity across sections of the steel conduit. The plate fits to the rear of the back box and angles around to the top and bottom of the back box, with the holes corresponding to the cable access holes. The plate is held in place by the fittings made to the cable access holes.
5. Mount the back box using suitable screws in three of the corner outsides. Do not drill holes inside the back box.
6. Route the zone wiring through the back box and connect to the demountable connector as shown. If this is the last device on the circuit fit the EOL (usually a resistor) between Circuit Out R and B.
7. Fit the demountable connector to the MCP.
8. Ensure the rubber gasket is correctly seated in the channel on the inside of the MCP, then slide the MCP squarely on to the back box, until it clicks into place. Secure with the 4 locking screws.
9. Test the MCP using the test key and ensure the correct zone is activated on the fire panel.



MCP Removal from back box

Remove the 4 locking screws that hold the MCP on to the back box. Gently lever the MCP away from the back box by twisting a flat bladed screwdriver in the 4 slots shown.



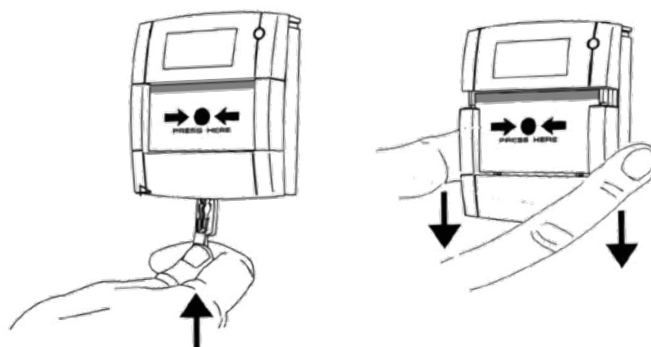
Testing

The MCP mechanism and wiring can be tested using the test key provided. This test does not break the element.

Insert the key into a slot in the base of the MCP and allow the element to drop away from the switch. This will register an alarm at the fire panel. Check the correct zone is activated.

Remove the test key and reset the MCP and fire panel.

Note: The key should not be left with the MCP after commissioning.



New Zealand 17 Mary Muller Drive Hillsborough, PO Box 19-545 Woolston Christchurch 8241 Tel: +64 9 635 0617 Email: fdp.customerservice.anz@jci.com
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