VIGILANT

MCP831 MX Callpoint



The MCP831 is a weather-protected MX Addressable manual callpoint (MCP) suitable for outdoor installation. It is supplied with a surface mount back box and a clear plastic cover.

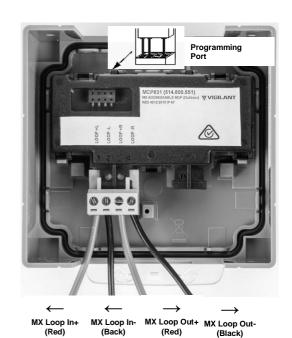
The callpoint signals an alarm to a compatible MX fire alarm panel when it is activated by pressing on the deformable element. After activation the deformable element is not destroyed and the callpoint can be reset.

The MCP contains an MX Loop short circuit isolator and meets the requirements of NZS 4512:2010.

Details of the Status LED and activation are on Page 2.

Item	Order Number
MCP831 Weather-protected MX Addressable MCP (Outdoor)	514.800.551
Replacement resettable element - blank (pack of 5)	515.001.127
Replacement resettable element "Vigilant" (pack of 5)	FA2728
Spare plastic cover	SU0272
Test/Reset Key (pack of 10)	SC070

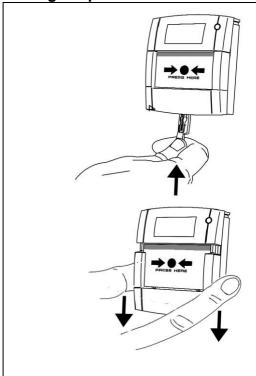
Installation



- Connect the lead of the 850EMT address programming tool into the programming port, using the correct orientation. Program the MCP with the address required by the site configuration.
- 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 mounted, with the cable entry/exit preferably at the bottom.
- 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.
- Screw plugs with the supplied plastic washers into the unused entry holes. Apply a thread sealant.
- 5. If required fit the metal earthing plate. This may be required to maintain electrical continuity across sections of 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.
- Mount the back box using suitable screws in three of the corner outsides. Do not drill holes inside the back box.
- Route the MX Loop wiring through the back box and connect to the demountable connector as shown. The earth terminal in the back box can be used to maintain screen continuity, if required.
- 8. Fit the demountable connector to the MCP.
- 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.
- Test the MCP using the test key (see overleaf) and make sure the correct address and location details are shown on the fire panel.

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Testing & Operation



To check the status

The Status LED should blink red every 5 seconds in normal operation.

Indicating yellow – there is a short circuit on the MX Loop on one side of the callpoint that needs to be repaired.

Indicating red – the callpoint has been activated and is in alarm.

To activate

Lift the plastic cover and firmly press the centre of the element inwards to release the microswitch. The red LED will turn on.

To test

To test the callpoint a test/reset key is provided. Insert this into the slot in the bottom of the MCP and pull the sliding plate (lower half of the front face) downwards until a click is heard. This will release the microswitch and activate the alarm condition. Remove the key. With the deformable element you also can test also the callpoint by activating it, which is non-destructive.

To reset

Insert the test/reset key into the slot in the bottom of the MCP and pull the sliding plate (lower half of the front face) downwards until a click is heard. Remove the test key, then push the sliding plate upwards until it clicks into position.

Reset the fire alarm panel and check the MCP is normal.

To replace the deformable element

Insert the test/reset key into the slot in the bottom of the MCP and pull the sliding plate (lower half of the front face) downwards until it comes free. Remove the deformable element, pulling away the bottom first. Fit the replacement, then fit and push the sliding plate upwards until it clicks into place.

Reset the fire alarm panel and check the MCP is normal.

Maintenance



To remove the MCP from the back box

Remove the four 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 four slots shown.

Specifications

Parameter	Value
System Compatibility	Use with only MX fire panels
Environment	Outdoor applications
Operating Temperature	-25 to +70 °C
Storage Temperature	-30 to +70 °C
Material	Flame Retardant ABS, glass reinforced

Parameter	Value
Operating Humidity	Up to 95 % non-condensing
Dimensions (HWD)	105 x 99 x 80 mm
Weight	330 g
IP Rating	IP67

Configuration

When using SmartConfig to configure for MX1 or MX4428 select MIM801 device type.



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This product is manufactured for:

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