MCP821 Callpoint

The MCP821 is an MX addressable manual callpoint (MCP) suitable for indoor installation. It is supplied with a surface mount back box and a clear plastic cover.

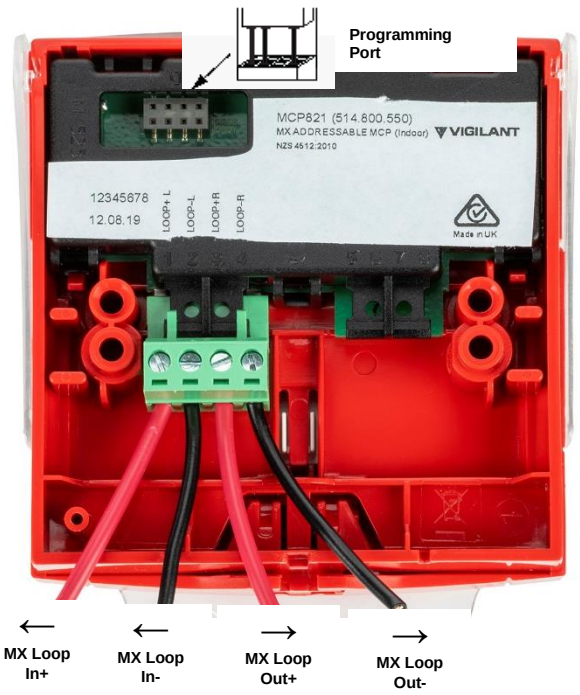
The callpoint signals an alarm to a compatible MX fire alarm panel when it is activated by pressing on the deformable element. After activation the deformable element is not destroyed and the callpoint can be reset.

The MCP includes a short-circuit isolator and meets the requirements of NZS 4512:2010.

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

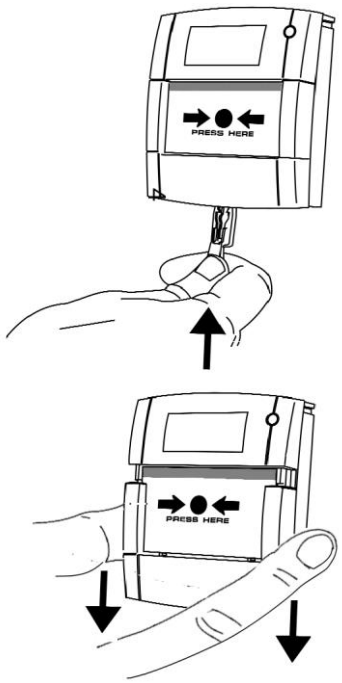
Item	Order Number
MCP821 Indoor MX Addressable MCP	514.800.550
Adaptor Kit for 1841 MCP (Surface or Flush)	FP1140
Replacement resettable element - blank (pack of 5)	515.001.127
Replacement resettable element “Vigilant” (pack of 5)	FA2728
Spare plastic cover	SU0272
Test/Reset Key (pack of 10)	SC070

Installation



1. 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.
2. Mount the back box.
   - For surface mounting fit the back box provided to the wall using suitable screws.
   - For flush mounting fit a suitable flush mounting box into the wall cavity. It will need to be at least 25mm deep.
3. Route the MX loop wiring through the back box.
4. Connect the loop wiring to the demountable connector as shown.
5. Remove the callpoint sliding front plate and deformable element. See “To replace the deformable element” overleaf.
6. Connect the demountable connector to the MCP.
7. Fit the clear plastic cover to the MCP and fix the callpoint to the back box using the 2 long screws supplied through the now-exposed top fixing holes.
8. Re-fit the element and front plate. Slide the front plate into position then push upwards until it clicks into place.
9. Make sure the clear cover swings easily.
10. Test the MCP using the test key (see overleaf) and make sure the correct address and location details are shown on the fire panel.

Testing & Operation



To check the status

The Status LED should blink red every 5 seconds in normal operation. The other conditions are:

Indicating yellow – there is a short circuit on the MX loop. This must be rectified as quickly as possible.

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 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 it clicks. Remove the test/reset 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.

Specifications

Parameter	Value
System Compatibility	Use with only MX Fire Alarm Controllers
Environment	Indoor applications only
Operating Temperature	-10 to +55 ^{O}C
Storage Temperature	-30 to +70 ^{O}C
Material	Flame Retardant ABS

Parameter	Value
Operating Humidity	Up to 95 % non-condensing
Dimensions (HWD)	105 x 93 x 62 mm
Weight	190 g
Mounting	Surface or flush

Configuration

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

VIGILANT

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