

OS2 Manual Control Points

Technical information and operating instructions



Product Description.

The OS2 Manual Control Point provides indication of the OS2 SHEVTEC Controller condition and provides high priority open and close controls.

There are two product variants:

Standard MCP.

Has two push buttons protected from accidental operation by a plastic hinged cover. Once the cover is lifted an electronic key is required to secure the cover and reset the flashing green LED.

Tamper-proof MCP.

Used a special electronic key inserted in the slot in the underside to activate the system.

Both MCPs are mounted on the same OS2 MCP Adapter Plate Assembly.

Only to be installed by competent electricians.

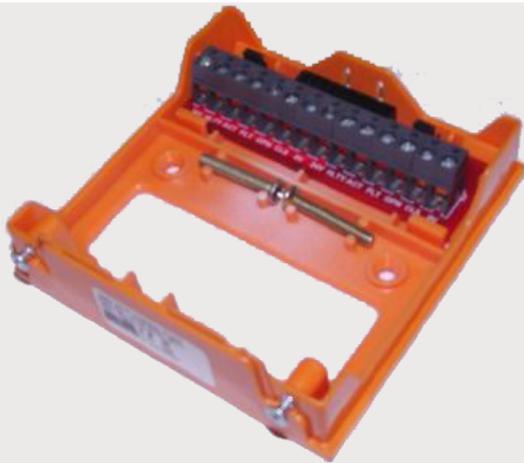
Product Components



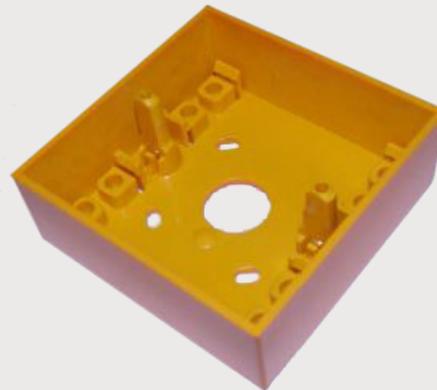
MCP Module FCS00200016



Tamper MCP Module FCS00200037



**Adapter Plate Assembly
FCS00200017**



**Surface Mounting Box
FYS15040061**



**Activation Key
FCS00200033**

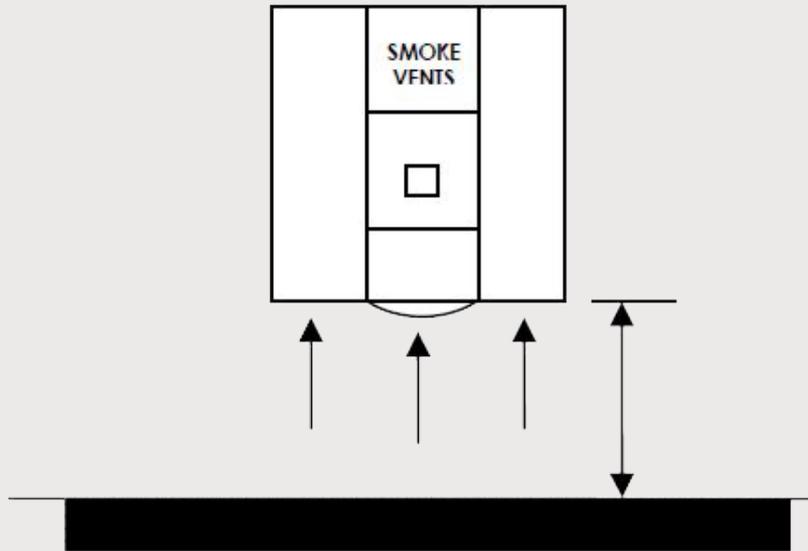


**Dumb Reset Key
FCS00200024**

The clear plastic front cover of the standard MCP can be replaced if missing or damaged - FXS00200053

Installation Position.

It is important that the MCP is located a minimum 150mm away from any obstruction below. This is to enable the fixing screws to be tightened correctly and to allow access to the reset key slot in the underside of the unit.



Installation Position.

All connections to the OS2 MCP are made via the connection PCB mounted within the adapter plate assembly. (See diagram below).



MCP Terminal	OS2 Terminal	Description
24V	PER	24VDC power supply rail from OS2 controller.
HLTY	FSL	Healthy indicator – Fireman's switch lamp output from OS2 controller.
ACT	--	No connection required/made for OS2 systems.
FLT	--	No connection required/made for OS2 systems.
OPN	FSO	Open demand – Fireman's switch open demand.
CLS	FSC	Close demand – Fireman's switch close demand.
0V	0VP	0V power supply rail from OS2 controller.

The jumper CN1 must be fitted in the left hand ("HLTY=FSL") position.

The jumper CN3 enables and disables the sounder. The default is enabled (left)

The MCP must be secured using the two fixing screws (Torx-T8) on the underside of the MCP

Installation Guide

1 Cover Flap - Frangible Element

The FCS 0020 0016 OS2 MCP has a polycarbonate cover protecting the “Open” and “Reset” push buttons from accidental operation. This cover can be opened by pulling firmly on the lowest part of the cover. Once opened, the cover cannot be properly closed without use of a reset key inserted in the slot on the underside. There is no cover flap on the FCS 0020 0037 OS2 Tamperproof CP.

2 “Open” pushbutton – FCS 0020 0016 only

Depressing the “Open” pushbutton places the OS2 controller into the “Activated” state. Typically, this will cause the controlled smoke vents to open.

3 “Reset” pushbutton – FCS 0020 0016 only

Depressing the “Close” pushbutton resets the OS2 controller from “Activated” state. Typically, this will cause the controlled smoke vents to close whilst the pushbutton remains depressed.

4 “Test” pushbutton

The “Test” pushbutton mounted on the underside face of the module assembly allows a brief functional test of the installed unit. Depressing the pushbutton illuminates the 3 status LEDs and causes the sounder (if enabled by CN3 above) to sound.

5 “Silence” pushbutton

The “Silence” pushbutton mounted on the underside face of the module assembly allows the sounder output to be silenced at any time.

6 Green “Power” LED

Illuminates to show power is available. The LED briefly blinks off to indicate the MCP has been activated, and can only be reset using the electronic reset key.

7 Red “Activated” LED

Illuminated when the OS2 controller is activated on fire condition

8 Yellow “Fault” LED – Available to all

“Fault” LED off – No faults or statuses to report

“Fault” Flashing (50/50) – Further OS2 controller fault diagnosis or maintenance required

9 Audible “Sounder”

The sounder (if enabled) will commence sounding if:

- The attached OS2 system activates on fire.
- The attached OS2 system indicates a fault.
- The local “Open”, “Reset” or “Test” pushbuttons are operated. To silence the sounder depress the “Silence” pushbutton.

10 Key slot

Located on the underside of the MCP is a slot designed for an electronic reset key. Do not insert anything other than the specially designed key into this slot. The key must be inserted with electrical contacts facing away from the user. Inserting a dumb reset key will reset the green blinking indication (see 4.6), and for FCS00200016 only.

FCS00200037 OS2 Tamperproof MCP only : The key slot also allows use of electronic activation key (FCS00200033)



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