

# User guide for OS2 Manual Control Points



FCS 0020 0016, FCS0020 0037, FCS 0020 0017 and FYS 1504 0061

## 1 BRIEF PRODUCT DESCRIPTION

The OS2 Control Points (MCP/CP) provides indication of the OS2 condition and provides high priority open and close controls.

There are two products variants:

**The standard MCP** has two push buttons protected from accidental operation protected cover flap,

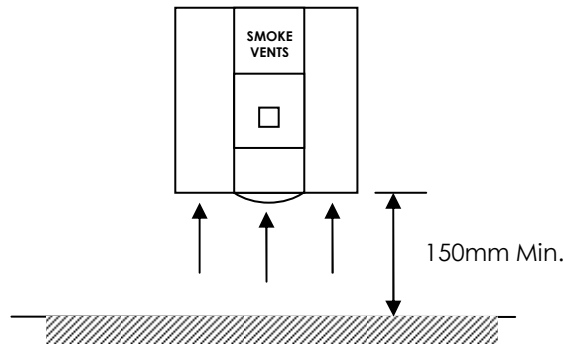
**The tamper-proof CP** uses two special electronic keys inserted in the slot in the underside to open or close the vent.

Both types require mounting on the FCS 0020 0017 OS2 MCP **Adapter Plate Assembly**.

	
<p>FCS 0020 0016 OS2 MCP Module Assembly</p>	<p>FCS 0020 0037 OS2 Tamperproof CP Module</p>
	
<p>FCS 0020 0017 OS2 MCP Adapter Plate Assembly</p>	<p>Optional FYS 1504 0061 Surface mounting box</p>
	
<p>FCS 0020 0024 Reset Key Optional FCS 0020 0033 Variant 1 Open Key Optional FCS 0020 0033 Variant 2 Close Key</p>	

## 2 INSTALLATION POSITION

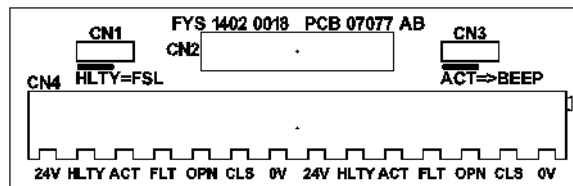
It is important that the MCP is located a minimum of 150mm away from any obstruction below. This is to enable the fixing screws to be tightened correctly and to allow access to the reset key (part FCS 0020 0018/24) slot in the underside of the unit.



## 3 CONNECTION DETAILS

In its disassembled state, the OS2 MCP can be easily distinguished from other members of the range by its **RED** PCBs. Ensure both the main circuit board and the connection board are red.

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



The connection PCB has 14 terminals, consisting of 2 pairs of 7 connections. For OS2 products, it is only necessary to connect to 5 of these signals as follows:

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.

Note that each pair of connections are interconnected within the PCB assembly. The second set of terminals may be used to daisy-chain multiple MCPs to one OS2.

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

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

The OS2 must have both battery and mains power removed before installing the MCP to the adapter plate.

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

## 4 OPERATING INSTRUCTIONS

### 4.1 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.

### 4.2 "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.

### 4.3 "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.

### 4.4 "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.

### 4.5 "Silence" pushbutton

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

### 4.6 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.

### 4.7 Red "Activated" LED

Illuminated when the OS2 controller is activated on fire condition

### 4.8 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

### 4.9 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.

### 4.10 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 an S.E.Controls reset key will reset the green blinking indication (see 4.6), and for FCS 0020 0016 only disengage the cover flap locking mechanism.

FCS 0020 0037 OS2 Tamperproof CP only : The key slot also allows use of electronic keys (FCS00200033 variant 1 (open) and variant 2 (close)) to open and close the vent. Remove the key after use.

