

AS1668

Fan Control Module

Features

- Up to 126 controls per *MX1* system
- 3U door for 12 controls
- Supports duplicate network control
- Pre-defined logic blocks make configuration easy
- New *MX* modules simplify installation and reduce cost
- Print labels directly from SmartConfig
- Can be used for other control/display applications

The *MX1* AS 1668 Fan Control solution can provide up to 126 controls per *MX1*, by utilising FP1056 3U doors for each set of 12 controls.

This fan control solution has been assessed to the functional requirements of AS 7240.2-2004 and AS 4428.7-1999.

It features push buttons and LED indication for On/Off/Auto, with LED status indication for Run, Stop, Fault and Alarm.

The control functions can be replicated across multiple *MX1* panels on a network. The panels work in parallel, with user control available at each panel. The changed On/Off/Auto states and the fan run status are replicated across all the panels almost instantly.

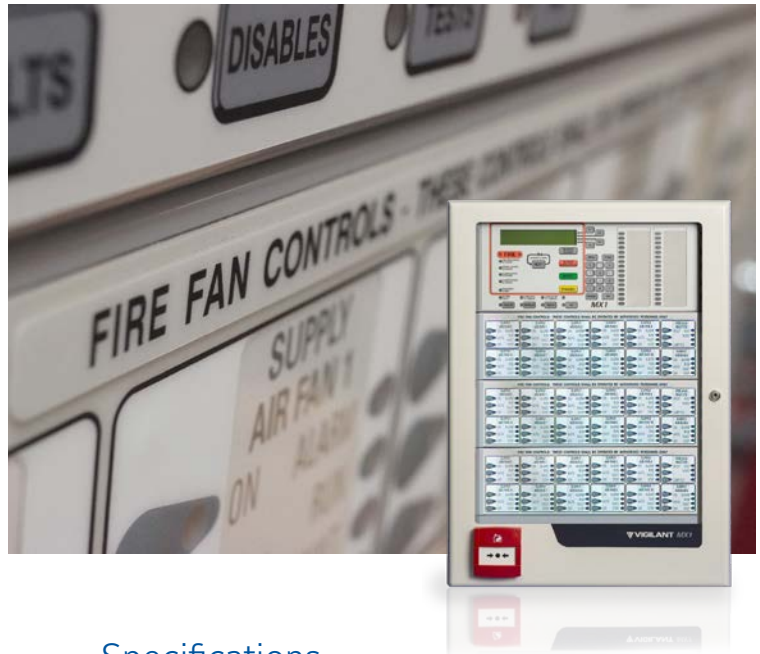
The controls can also provide convenient general purpose switches and indicators for ancillary functions such as drain valves, deluge control, and test switches.

Each control can be configured to operate as:-

- 3-position switch,
- 2-position switch, or
- 3-independant toggle or momentary switches.

The FP1056 *MX1* Fan Control Door Kit includes a 3U door fitted with 2 fan controls and a label set with sample common fan control labels. Each door can accommodate up to 12 fan controls using additional FP1057 Fan Control Expansion kits.

Additional Fan Control doors are interconnected using cables



Specifications

Operating Voltage	9-30Vdc
Current	8.5mA typ. 12mA max. (per board)
Dimensions	
3U Door	133 x 482 x 36 mm (HWD)
Expansion Bd	110 x 66 x 20 mm (HWD)
Ambient Temp.	-5°C to +45°C
Relative Humidity	10% to 93% (n/cond.)

Part Numbers

FP1056	<i>MX1</i> 3U Door Kit incl. door, 2 controls, looms, hardware, label
FP1057	<i>MX1</i> 2 Control Expansion Kit incl. hardware, loom, label
FP1084	<i>MX1</i> 15U Full Window Empty Cabinet, Titania
LB0672	AS 1668 Fan Control Zone Label Set

supplied with each door. Up to 3 doors (36 controls) can be fitted in a 15U *MX1* cabinet, with additional 15U or larger 28U or 40U cabinets available for more controls.

The controls are easily configured for an *MX1* using SmartConfig version 2.5.1 or above. This includes logic blocks to insert pre-defined AS 1668 smoke control functions, including the Fire Mode/Lamp Test control. Simply number the control and add the I/O addresses for the field connections. Any control can be configured as the master control for fire mode indication/reset and lamp test. Labels for each control can be printed using SmartConfig. The fan controls can be added to existing *MX1* systems by updating to *MX1* firmware version 1.60 or above. Note the *MX1* AS 1668 solution is not compatible with MX4428.

Along with the existing *MX* modules, there are 3 new Quad I/O modules that can interface AS 1668 controls with mechanical services equipment. The wide choice of *MX* interface modules available for the *MX1* system make it easy to configure for virtually any application.

Wiring

Connection of the Fan Control Modules is easy.

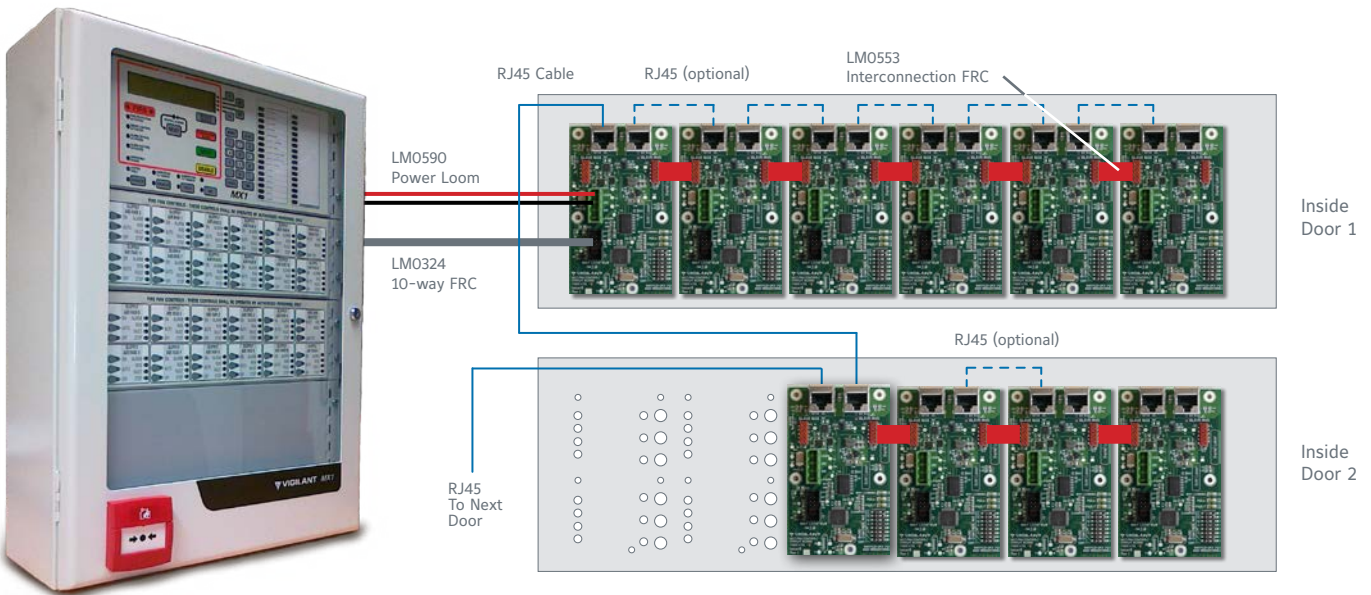


FIG 1. FP1057 Expansion Kit Board Interconnection



FIG 2. Each control includes labelling space for the control, push buttons, and the 4 LEDs. Up to 5 Fan Control Doors can be fitted to the FP1084 15U Cabinet. The standard 15U MX1 can accommodate up to 3 FP1056 Fan Control Doors.

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