▼ VIGILANT

FP1062/FP1063 *MX1* 4 x DDM800 Module Mounting Bracket

Installation Instructions

General Description

The VIGILANT *MX1* 4 x DDM800 module mounting bracket (FP1062 and FP1063) provides mounting for up to four DDM800 or other standard-sized *MX* Addressable Modules on a 15U *MX1* gear plate.

These instructions cover the fitting of these brackets into a 15U *MX1* fire alarm panel. The details of any necessary changes to the system configuration or other hardware are not covered here.

Two versions of the bracket are available:

- FP1062 – supplied without any *MX* modules fitted.
- FP1063 – supplied with 4 x DDM800 modules pre-fitted and pre-wired to a labelled terminal block.

Both versions are supplied with the hardware required to mount the bracket, additional (alternative) terminal labels (see detail below), and these instructions.
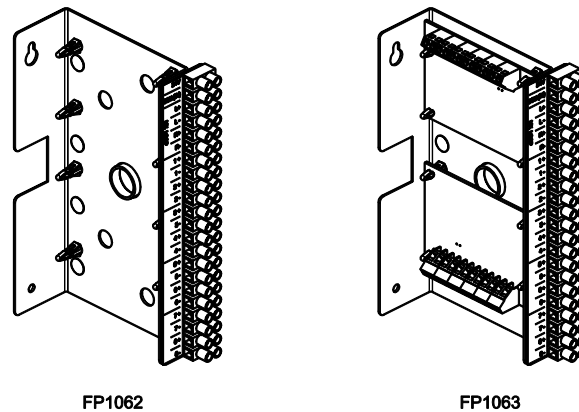

FP1062   FP1063

Figure 1 – *MX1* DDM800 Mounting Bracket FP1062 and FP1063

Fitting Modules to FP1062

The FP1062 version (bracket only) is supplied with screw terminals and module mounting standoffs, but no *MX* modules are included. It is designed for mounting of up to 4 user-supplied DDM800 modules (2 on each side of the bracket), but will alternatively accommodate other similarly-sized *MX* modules such as the CIM800, DIM800, LIM800, LPS800, RIM800 or SNM800.

Mounting inside an *MX1* 15U Panel

There are six possible locations where the bracket can be mounted on the 15U *MX1* gear plate: at every *MX* Loop Card Bracket mounting location, in two rows of three. See Figure 2.

NOTE: The two right hand most positions are not recommended as they will restrict access to terminals on the *MX1* Main Board. If mounting in these positions, the *MX1* Main Board power lead from the PSU will need to be re-routed to allow the bracket to fit.

Use of the upper or lower rows on the 15U gear plate will depend on what other items need to be fitted onto the gear plate, and also what is to be mounted on the 19" rack. The following known restrictions apply:

- If fitting a 3U T-GEN 50 bracket, the bottom row cannot be used.
- If fitting a 3U *MX1* 12 x AS1668 Fan Control Door there may be clashes with Ethernet cables (if any) fitted to Fan Control Boards mounted towards the left hand side of the door.
- If fitting a 3U Centaur Door (KT0199) immediately below the 4U *MX1* Keypad, the right hand position of the top and bottom row of bracket mounting positions cannot be used.

- If fitting a 3U Centaur Door (KT0199) 1U or more below the 4U *MX1* Keypad, the bottom row, right hand bracket mounting position cannot be used.

The *MX1* 4 x DDM800 module mounting brackets are mounted onto the *MX1* 15U Panel gear plate using the two M4 x 10 screws supplied – see Figure 2.

Fit one of the M4 screws in the top gear plate fastening point but do not tighten it. Hang the bracket on this screw using the "keyhole" in the bracket flange. Fit the other M4 screw into the bracket's bottom fastening point and tighten both screws into the gear plate bushes.

IMPORTANT NOTE: Once a bracket is mounted on the gear plate, access to the "Programming Port" for some modules will be impossible. Ensure all modules have been programmed with their loop address before mounting the brackets in place.
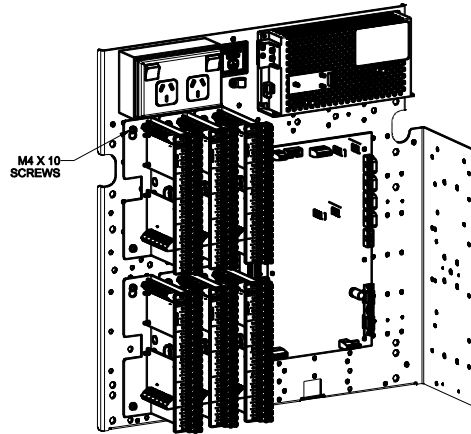

Figure 2 – FP1062/3 Bracket Mounting Positions on a 15U *MX1* Gear Plate

Loop Wiring of the Bracket

The *MX* modules are wired into an *MX* loop by including the modules in the loop cabling. DDM800 modules incorporate a short circuit isolator so the loop cabling can go directly from the bracket to field devices (and back to the Controller/Loop Card loop terminals). If using other *MX* modules that do not have a short circuit isolator (CIM800, DIM800, LPS800, RIM800 or SNM800) then a short circuit isolator (LIM800) should be wired between the internal modules and any field devices.

DC Power Wiring of the Bracket

If the *MX* modules require a 24Vdc feed (e.g., externally powered DDM800 or DIM800), wire this off a spare +VBF output on the Controller. This output could be used for other in-panel loads, but do not wire it externally to the cabinet as a short circuit could blow the common fuse. Any +24V wiring to an internally-mounted SNM800 or RIM800 should be from a separate fused output.

Additional Terminal Labels

The *MX1* 4 x DDM800 module mounting bracket is supplied pre-fitted with terminal labels to suit DDM800 inputs (designated as 1 – 8). Additional field-fit terminal labels are also supplied for zones 9 - 16, 17 - 24 and 25 - 32. Blank labels are also supplied that can be hand marked as required. Any of these additional labels can be placed over the factory pre-fitted label.

Parts Supplied with FP1062 and FP1063 Mounting Brackets

Qty	P/N	Description	Use
2	SC0176	M4 x 10 Screws	To mount bracket onto gear plate
2	LB0676	Additional Terminal Labels	To overlay factory fitted labels, if required.
1	LT0591	Installation Instructions	-