



MX1 Loop Card/MX Module Mounting Bracket

Installation Instructions

General Description

The VIGILANT MX1 Loop Card/MX module mounting bracket (FP1027) provides mounting for MX Modules on a 19" rack cabinet MX1 gear plate, or inside an MX1-NZ slimline cabinet.

These instructions cover the fitting of this bracket into the MX1 fire alarm panel. The details of any necessary changes to the system configuration or other hardware are not covered here.

The MX1 Loop Card/MX module mounting bracket is supplied with the hardware required to mount the bracket and the MX modules, plus these instructions.

The bracket provides mounting for:

- 2 x small MX Modules: CIM800, DIM800, LIM800, LPS800, RIM800 or SNM800; or
- 1 x large MIO800 module.

Bracket Assembly

Fit the 13mm plastic PCB stand-offs through the appropriate holes in the bracket and mount the MX Modules as shown in Figure 1.

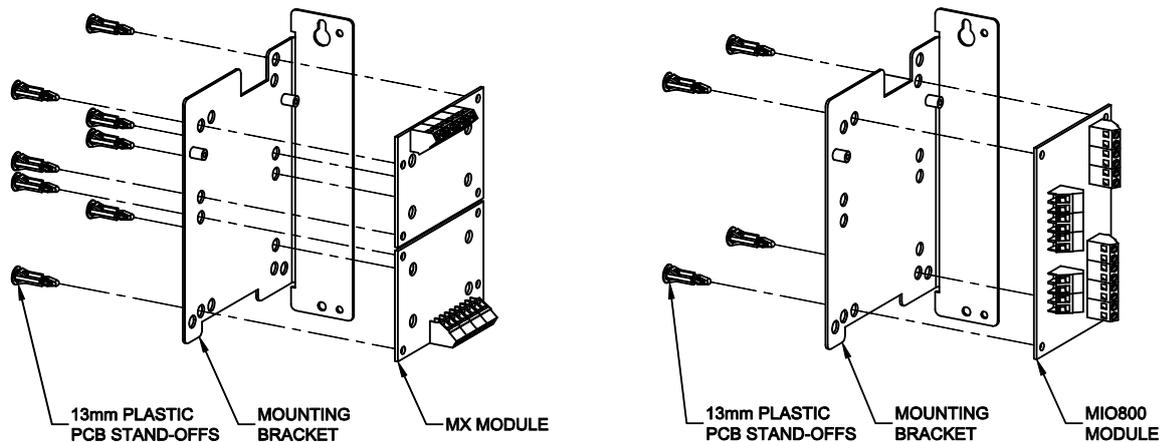


Figure 1 – MX1 Loop Card/MX Module Mounting Bracket (FP1027) – Basic Assembly

Mounting on an MX1 19" rack cabinet Gear Plate

The MX1 Loop Card/MX module mounting bracket is mounted onto the MX1 8U and 15U gear plate using the two M4 x 10 screws supplied with the bracket – see Figures 2 and 3.

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.

There are six possible locations where the bracket can be mounted on the 15U MX1 gear plate, 3 locations on an 8U gear plate, and 12 locations on an 18U or large MX1 gear plate.

Use of the upper or lower positions on the 15U and larger gear plates will depend on what other items need to be fitted onto the gear plate, and the wiring required for all the equipment.

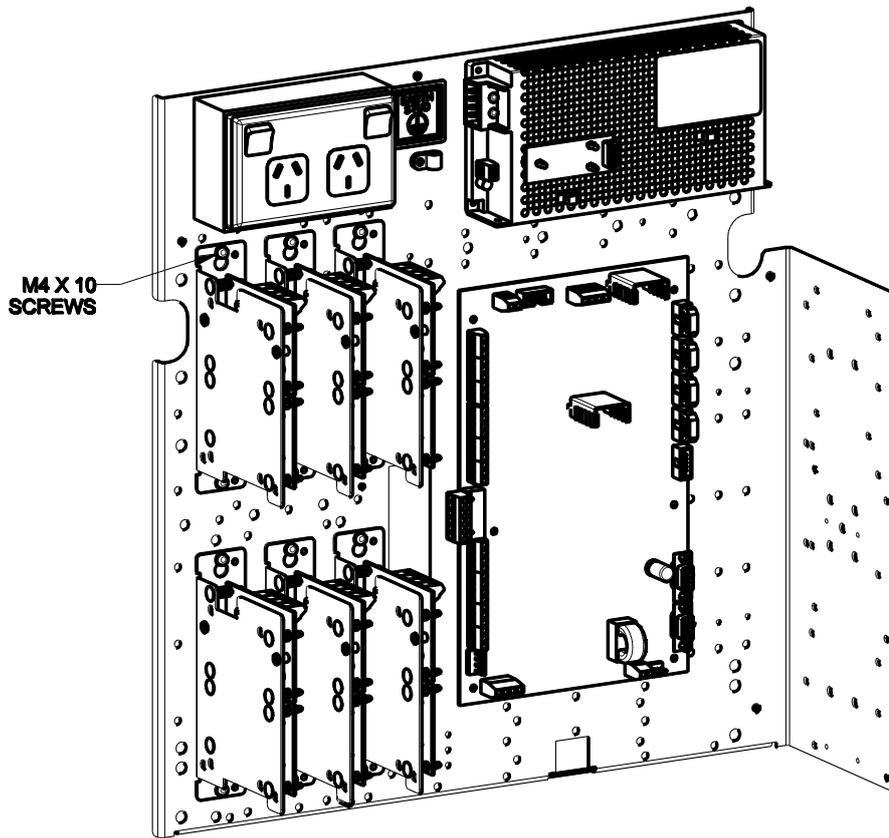


Figure 2 – FP1027 Bracket Mounting Positions on a 15U MX1 Gear Plate

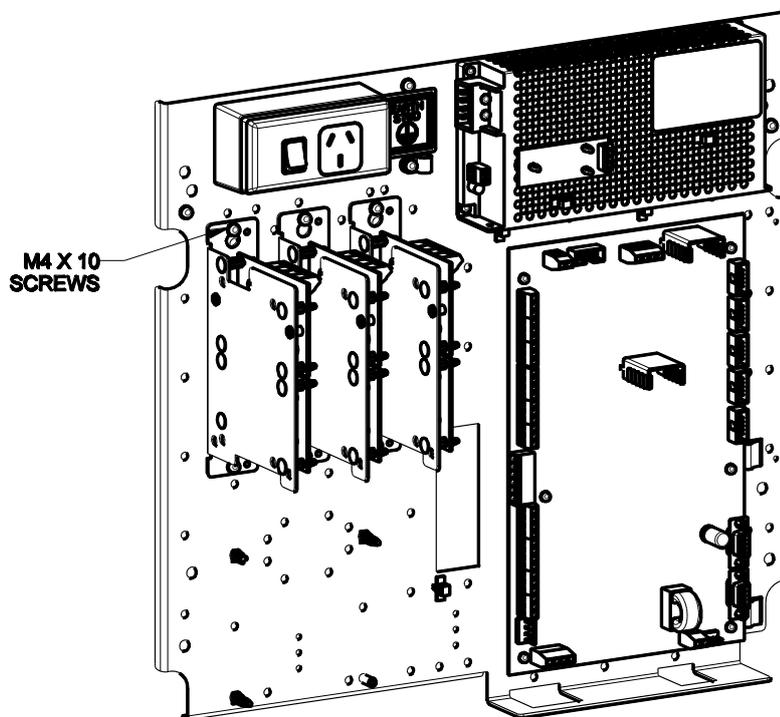


Figure 3 – FP1027 Bracket Mounting Positions on an 8U MX1 Gear Plate

Mounting into an MX1-NZ Slimline Cabinet

The bracket assembly is mounted to the upper right hand inside wall of the slimline MX1-NZ cabinet on the studs nearest to the door, as shown in Figure 4. In this position it will not interfere with the zone LED display cards for a rear-service system.

Fasten the bracket using the two M3 barrel nuts and 4 x washers from the kit.

WARNING: do not over-tighten the barrel nuts, otherwise the studs may snap.

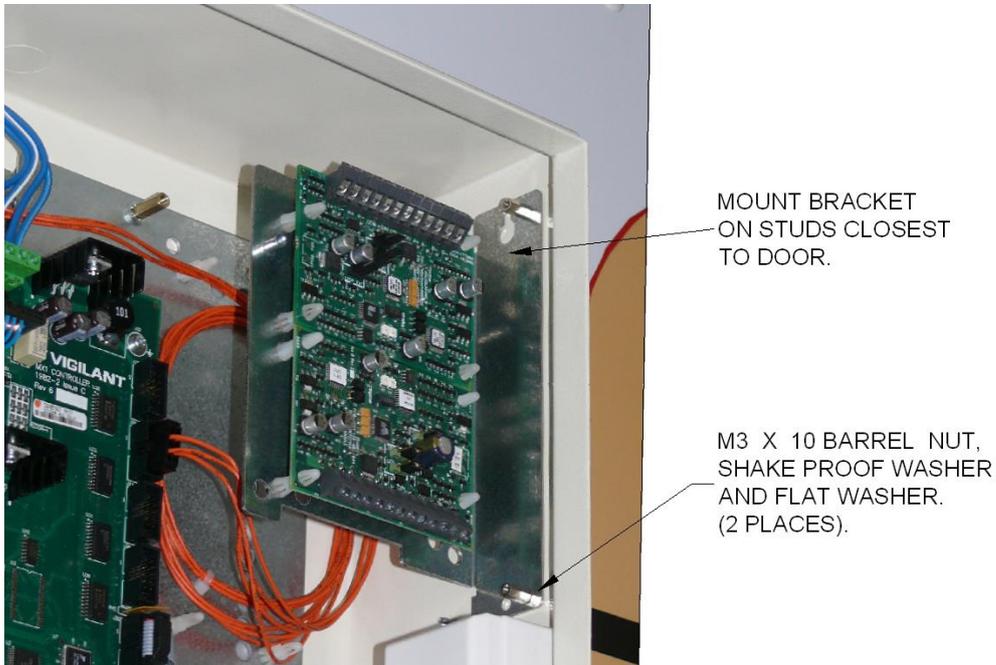


Figure 4 – FP1027 Bracket Mounting in Slimline Cabinet

Loop Wiring of MX Modules

The MX modules can be wired into an MX loop by including the modules in the loop cabling.

Alternatively they could be cabled onto the on-board loop (Loop 1) via the Auxiliary MX Loop connector J34 on the PA1081 Controller Board. Use loom LM0551 to wire to the modules.

For both arrangements it is necessary to include a loop short circuit isolator (LIM800, 5BI, or an MX device with an integral SCI) mounted in the panel to provide short circuit protection between the MX modules in the panel and the field cabling.

If using the J34 connector and LM0551 to wire to the in-panel modules, place the short circuit isolator in the AL± loop feed from the panel.

DC Power Wiring of MX Modules

If the MX modules require a 24Vdc feed (e.g., DIM800, SNM800, or RIM800 relays), 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.

Parts Supplied with FP1027 Mounting Bracket

Qty	P/N	Description	Use
2	FA2016	M3 x 10 Barrel Nut	To mount bracket into slimline cabinet
8	HW0131	13mm Plastic PCB Stand-off	To mount MX modules on bracket
2	SC0176	M4 x 10 Screws	To mount bracket onto Gear plate
2	WA0005	M3 Flat Washer	To mount bracket into slimline cabinet
2	WA0010	M3 Shakeproof Washer	To mount bracket into slimline cabinet
1	LT0557	Installation Instructions	-

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