



## FP1186 QE20 Module Frame Installation Instructions

### 1. General Description

This sheet describes installation of the FP1186 QE20 Module Mounting Frame. The module mounting frame can be fitted into an empty QE20 cabinet to provide mounting for QE20 modules, such as Amplifiers, PSE, ROMs, Controller, WIP and others.

#### FP1186 FP, KIT, QE20, MODULE MTG FRAME C/W MTG

### 2. Kit Contents

Each FP1186 kit contains:

- 1 x QE20 Module Mounting Frame
- 8 x HW0325 HARDWARE, WIRE SADDLE, NYLON, 9mm, 4.8mm HOLE, 18-PWS09
- 4 x SC0223 SCREW, MACHINE, PH PHIL, M6 X 10, SPRING & FLAT WASHER
- 1 x LT0703, these installation instructions.

### 3. Mounting the Module Frame

A 28U cabinet can hold 2 mounting frames and a 40U cabinet can hold 3 frames, mounted in the back of the cabinet. Drawing 2003-9 Sheet 1 (included with these instructions) shows the optimum mounting positions of the frames in these cabinets. Other positions may be available in the cabinet (especially the 40U), but using these can limit future expansion (e.g., fitting of all 3 frames).

- 1) Fit the 8 nylon wire saddles to holes on the left hand and right-hand sides of the frame. Additional saddles may be provided with the modules that are to be fitted. Fit these to the front of the frame in the intended module mounting positions. Figure 1 shows example placement and wiring.
- 2) Configure, fit, and wire (as appropriate) the QE20 modules that will be mounted to the frame. Refer to the appropriate module installation guide for details. Generally, it is easier to fit the modules to the frame outside of the cabinet, rather than fit the modules to the frame once it is mounted in the cabinet.
- 3) Loosely fit two of the M6 screws to the top mounting holes for the appropriate position in the cabinet.
- 4) Holding the frame by the top and bottom return folds, lift the frame into the cabinet and hang it over the two screws using the two keyholes at the top sides of the frame.
- 5) Fit the remaining two M6 screws to the bottom mounting holes in the frame and cabinet.
- 6) Secure all 4 screws to hold the frame in place.
- 7) Complete the installation and wiring of the modules.

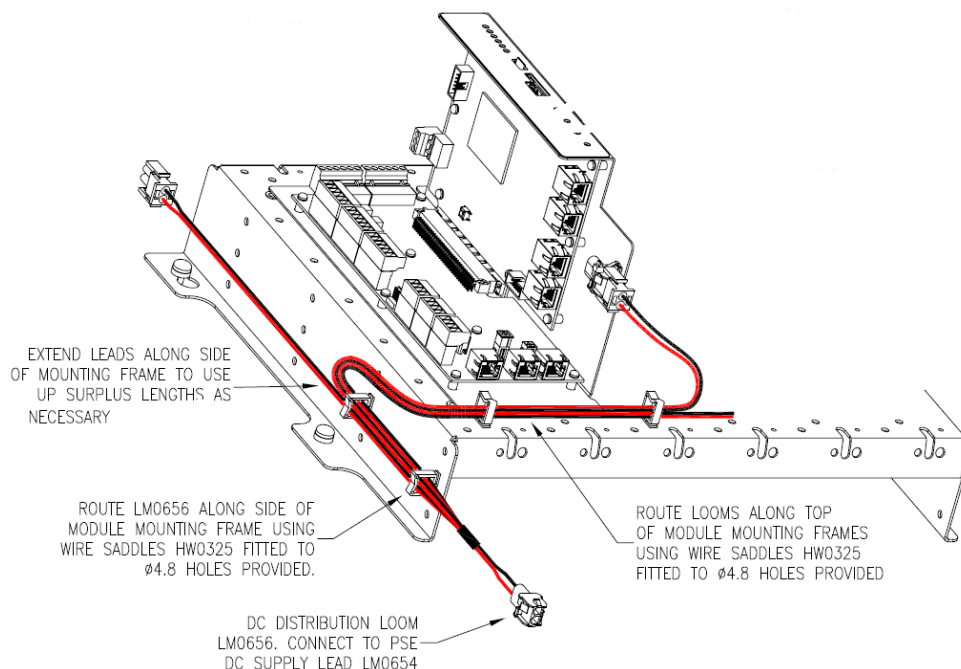
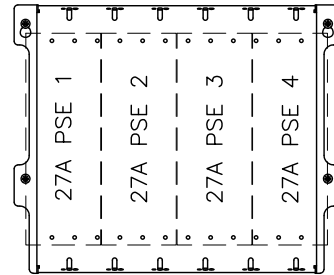
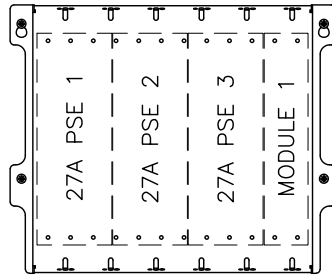
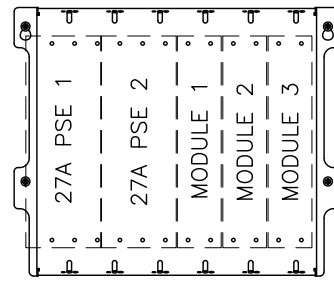
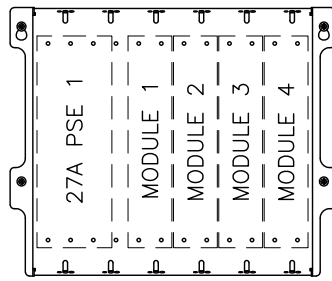
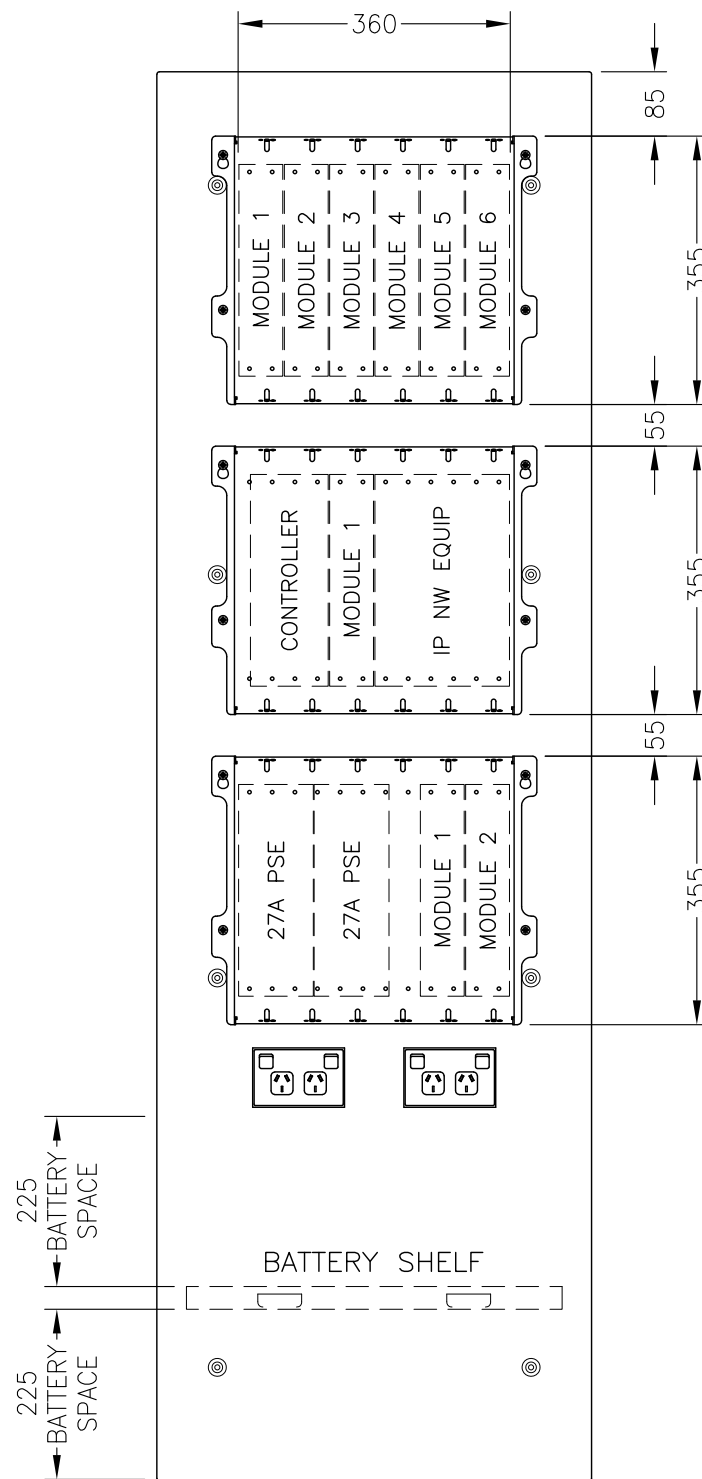


Figure 1 – QE20 Module Mounting Frame – Example Placement of Wiring Saddles

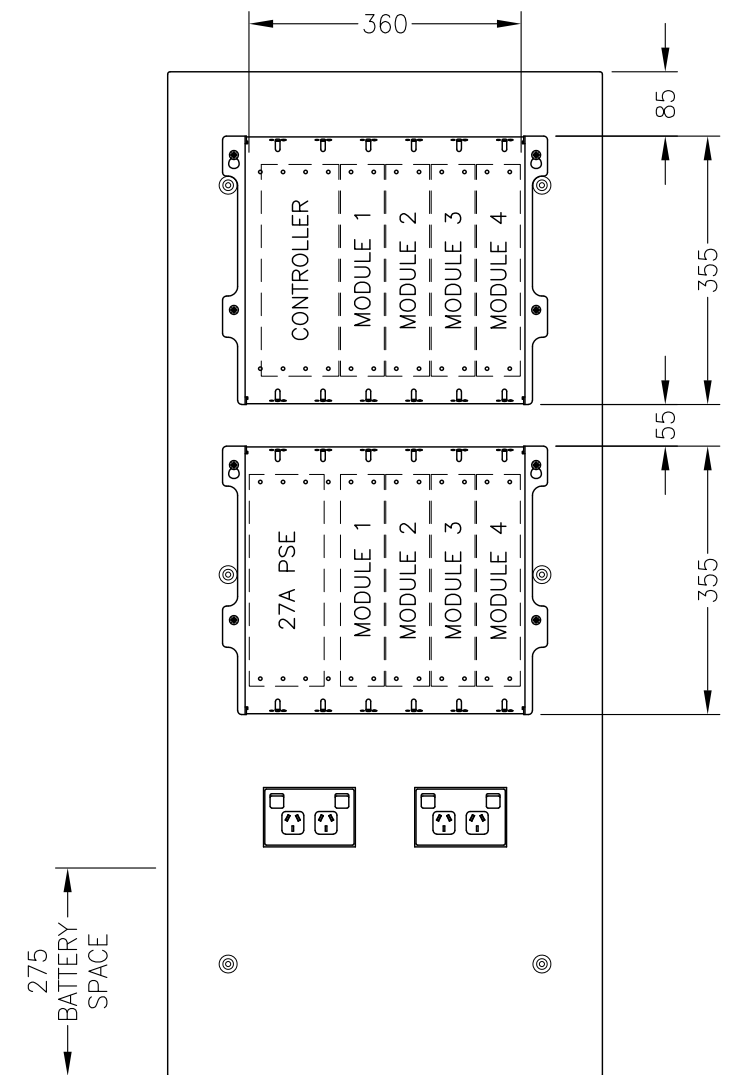


BOTTOM MODULE MOUNTING FRAME  
POSSIBLE 27A PSE & MODULE COMBOS

QE20 MODULE WIDTH (mm)	
MODULE	WIDTH
CONTROLLER	120
WIP	60
RELAY OUTPUT	60
RS485 NW	60
AMPLIFIER	60
SPLITTER	60
IP NW EQUIP	180
27A PSE	100



40U PANEL INTERNAL VIEW



28U PANEL INTERNAL VIEW

NOTES

1. EACH MODULE MOUNTING FRAME CAN ACCOMMODATE UP TO 6 MODULES OF 60mm WIDTH.
2. 27A PSE MODULES CAN OVERHANG THE MODULE MOUNTING FRAME ON EACH SIDE BY 15mm TO ALLOW MORE MODULES TO BE MOUNTED ON THE BOTTOM FRAME.
3. THE CONTROLLER MODULE MUST BE MOUNTED ON THE LHS OF THE TOP MODULE MOUNTING FRAME IN 28U PANELS & THE MIDDLE MODULE MOUNTING FRAME IN 40U PANELS.
4. 27A PSE MODULES MUST BE MOUNTED ON THE BOTTOM MODULE MOUNTING FRAME.

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UNLESS OTHERWISE STATED: ALL DIMENSIONS IN MILLIMETRES. DO NOT SCALE. TOLERANCES ARE TO BE: 1 DECIMAL PLACE ±0.5, 2 DECIMAL PLACES ±0.3, 3 DECIMAL PLACES ±0.1

3rd ANGLE PROJECTION

ISS/REV	AMENDMENTS	ECO	DRN	CHKD	AUTH	APVD	DATE
A	ORIGINAL	-	KJS	DK	MH	DC	27-11-20

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**QE20**  
**28U & 40U PANEL MODULE**  
**INTERNAL LAYOUT OPTIONS**

DRAWING No: **2003-9** SHEET **1** of **1**

**A3** | ISS/REV **A** | PART No: