VIGILANT

FP2014 QE20 WIP Tray Installation Instructions

1. General Description

This sheet describes installation of the FP2014 QE20 WIP Tray. This is a 3U high metal panel containing the speech microphone and space for the master WIP handset for mounting in the QE20 inner door.

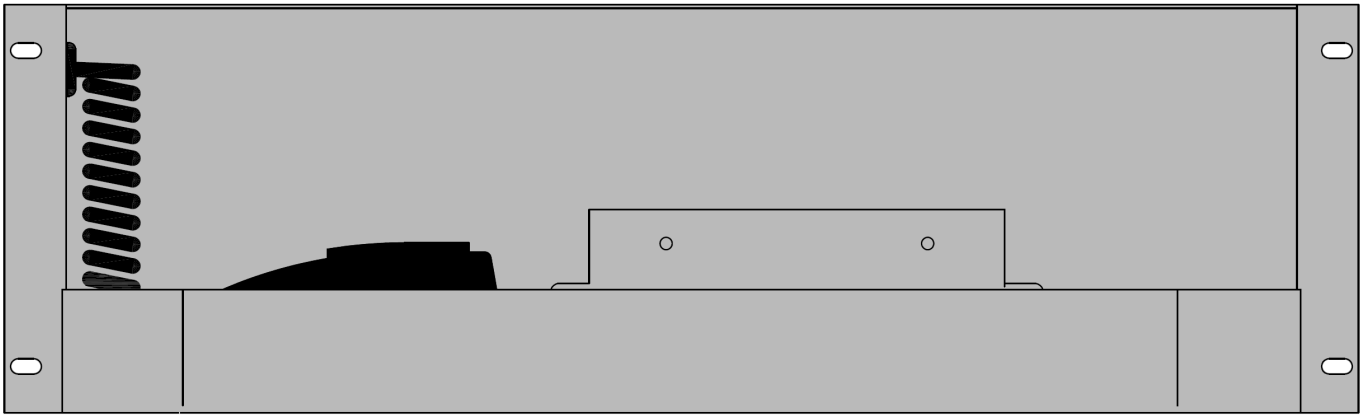


Figure 1 – FP2014 QE20 WIP Tray

2. Kit Contents

Each kit contains:

1 x QE20 WIP Tray with the microphone fitted.
4 x M4 x 10 screws to secure the tray in the inner door
2 x M3 x 6 screws for securing the WIP bracket onto the tray
1 x Earth loom 250mm
1 x LT0710, these installation instructions.

3. Mounting the WIP Tray

The WIP Tray usually occupies the bottom 3U position on the QE20 inner door, as shown in Figure 2.

It is secured to the inner door hinge and support bracket using four M4 x 10 screws. Fit the tray to the desired position and loosely insert the four screws. Centre the tray and tighten the screws to hold the tray in place.

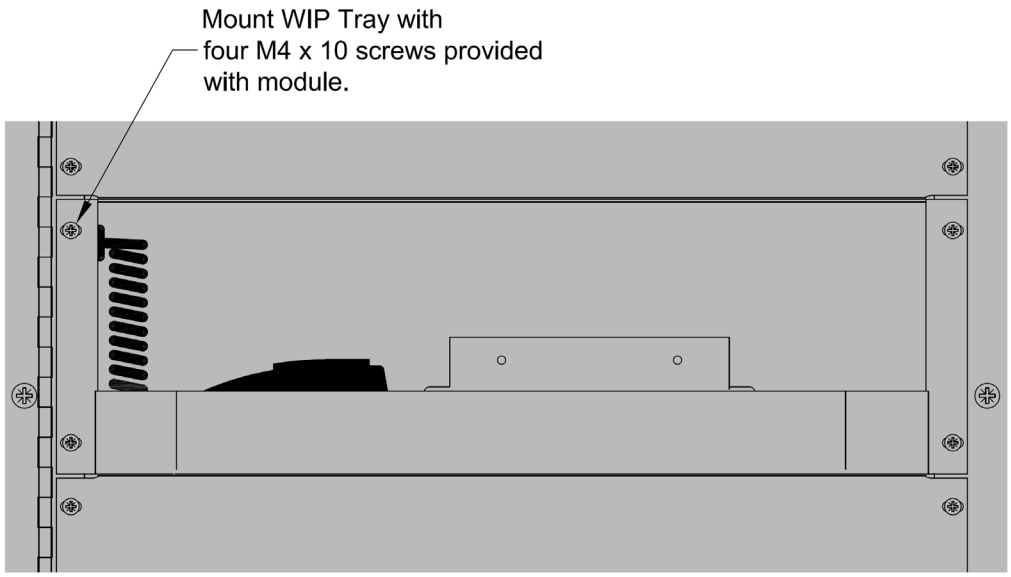


Figure 2 – QE20 WIP Tray Mounting

If a Vigilant FP0938 master WIP handset needs to be fitted, run a cable pair from Circuit 20 on the correct WIP/Input Module (refer to the QE20 site configuration) around the back of the cabinet and over the back of the WIP tray to the cable entry gland on the LHS (viewed from the rear of the inner door) and connect to the handset. Refer to Section 4 Internal Wiring for details.

Position the mounting bracket supplied with the WIP handset in the tray so that the WIP handset can move to the left-hand side for installation / removal, and secure the bracket onto the WIP tray using the two M3 x 6 screws supplied in the kit. Slide the WIP handset on to the bracket from the left-hand side. The curly cable will be on the right-hand side. Refer to Figure 3.

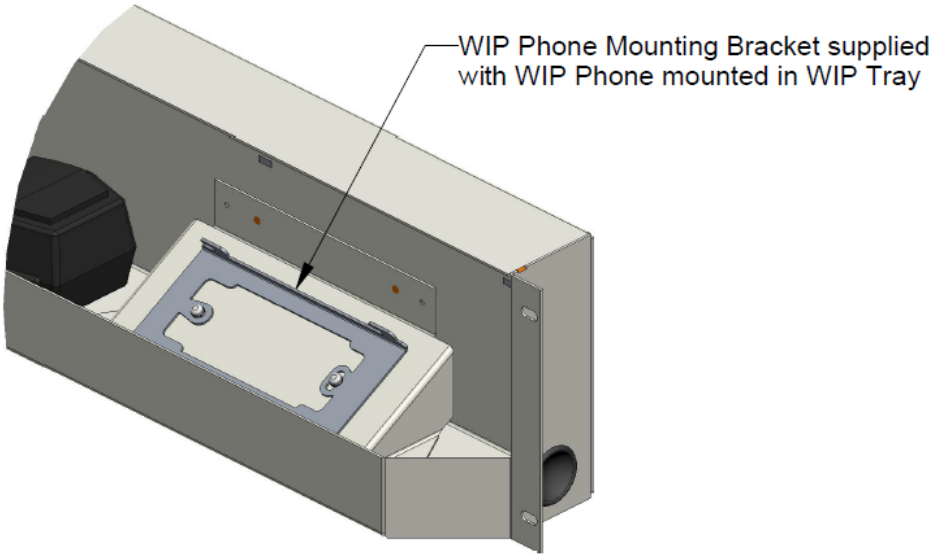


Figure 3 –WIP Handset Bracket Mounting

The WIP tray must be earthed to the cabinet body. An earth wire is included with the WIP tray. Connect this to the earth tab on the back of the tray and to the earth tab on the higher user interface module or blank panel, so that all user interface modules are interlinked and connected to the cabinet body earth tab. Refer to Figure 4.

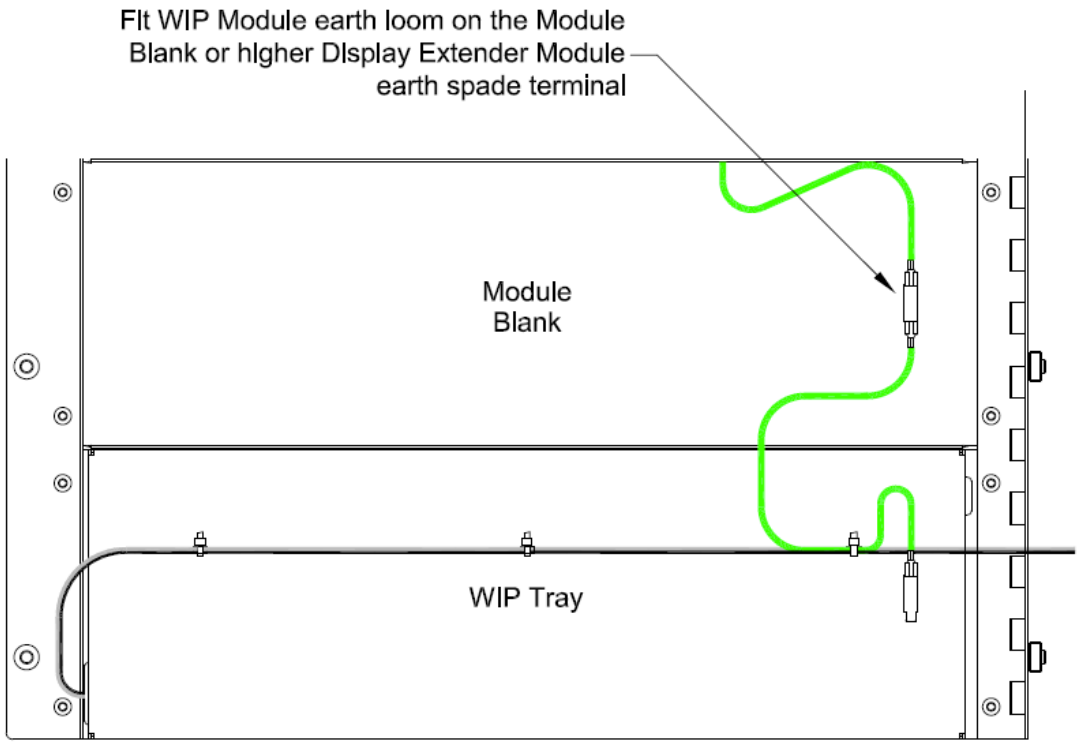


Figure 4 - Earthing of the WIP Tray to Other User Interface Modules and Cabinet Body

4. Internal Wiring

The supplied microphone lead is run from the inner door up to the Controller Module and plugged on to J15 PA MIC on the Controller. Secure the cable to the mounting frame using the clip-in cable saddles. Refer Figure 5. The lead is long enough to reach a Controller mounted on the left-hand side of the middle or lower frames in a 40U cabinet.

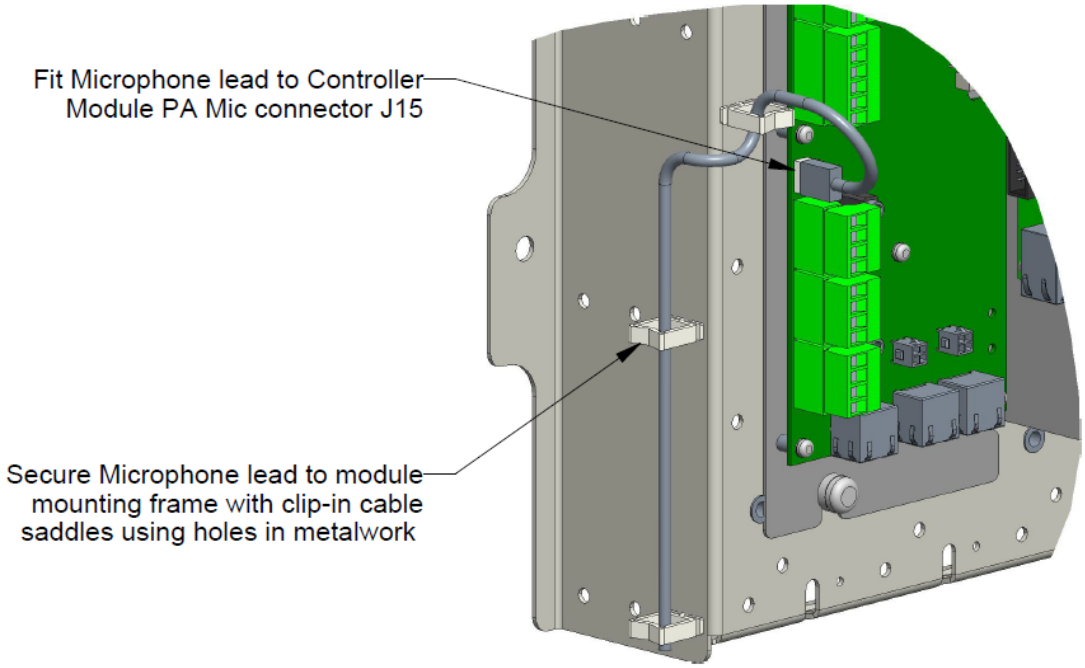


Figure 5 Wiring of Microphone Lead to Controller

WIP Handset

If a master WIP handset needs to be wired, run a cable pair from Circuit 20 on the correct WIP/Input Module (refer to the QE20 site configuration for the appropriate WIP/Input Module to use) around the back of the cabinet and over the back of the WIP tray to the cable entry gland on the LHS (viewed from the rear of the inner door) and to the handset. Connect to the WIP IN+ and IN- terminals on the back of the handset, observing the correct polarity, as shown on drawing 2001-2 Sheet 400 included below. Note a 10K EOL resistor is required to be fitted between the OUT+ and OUT- terminals on the handset (included as standard).

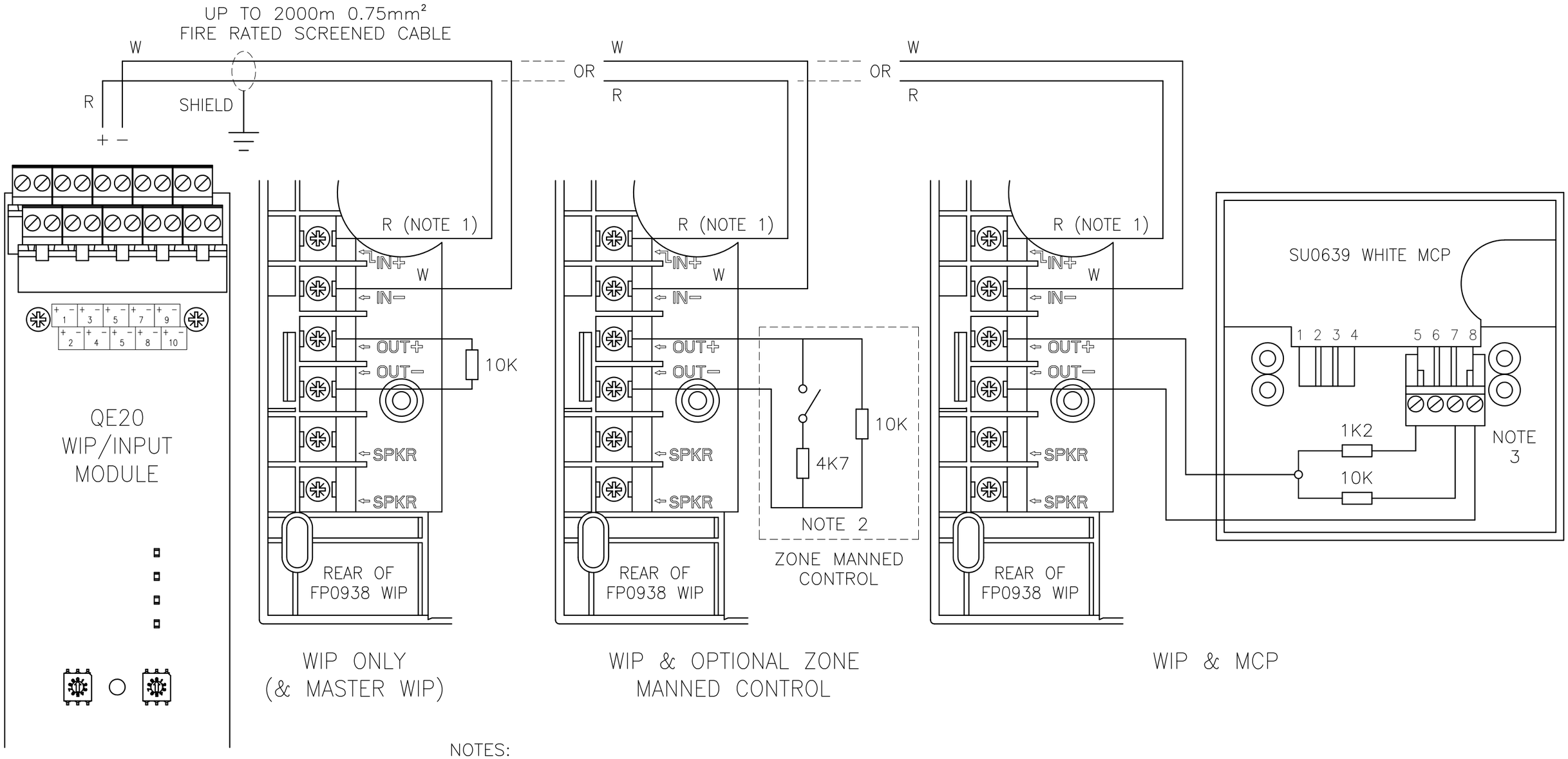
5. Power On & Testing

The microphone can be tested by making a Speech announcement to a zone and checking that the speech is heard clearly in that area. If the microphone lead is unplugged from the Controller a fault will be generated.

The master WIP can be tested by picking up the handset and listening for the confidence tone. A further test is to ring a field WIP and when the person answers check that voice communication with them is possible. A fault will be generated if the WIP handset is not correctly connected to the WIP/Input Module input or the 10K EOL is missing from the input.

6. Specifications

Mechanical	3U High, QE20 Inner Door mounting
Operating Conditions	-5ºC to +45ºC 10% to 93% RH non-condensing
Microphone	600Ω Noise Cancelling, Supervised capsule and PTT switch
WIP Handset	Vigilant FP0938 WIP (not included as standard)



NOTES:
1. WIRING TO WIP PHONE MUST HAVE CORRECT POLARITY.
2. OPTIONAL MANNED SWITCH OR MCP MUST BE MOUNTED ADJACENT TO WIP PHONE.
3. SU0639 MCP TERMINALS 5 & 6 ARE INTERNALLY JOINED, 7 & 8 ARE INTERNALLY JOINED.

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	RC	MH	DC	12-3-20

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QE20 WIP MODULE
WIP / WIP & MANNED / WIP & MCP WIRING DIAGRAM

DRAWING No: 2001-2 SHEET 400 of N

A3 | ISS/REV A | PART No: