Fitting a PTT Handset to a ‘new style’ ECU Panel

THIS APPLICATION NOTE IS FOR A SUITABLY SKILLED AND TECHNICALLY COMPETENT PERSON AND SUMMARISES KEY INFORMATION PROVIDED IN THE MAIN INSTALLATION MANUAL (DOCUMENT NO. DAU00000091). IF IN DOUBT, READ THE FULL MANUAL. ENSURE ALL POWER IS REMOVED BEFORE STARTING WORK.

The purpose of this application note is to swap out an existing ECU handset on a ‘new style’ ECU-4, ECU-8 or ECU-16 panel with a push to talk (PTT) handset. The PTT handset may be used in environments where there are high levels of background noise at the control panel. The operator must press the red button in the handset’s dock (shown right) to talk to a person at the outstation.

Equipment required for this Application Note

ECU Handset c/w PTT button (Part No. ECU-PTT) and necessary tools.

Figure 1 – ECU Front Panel

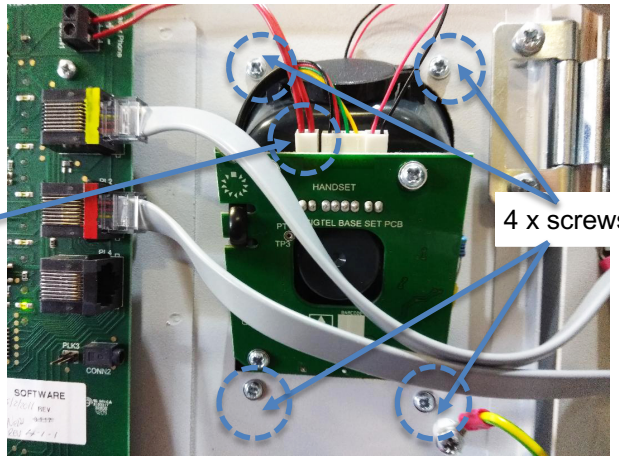

Figure 2 – CONN1 Connector and 4 x Retaining Screws

Refer to the diagrams above and follow the steps listed below:

1. Isolate mains power to the ECU panel via the panel’s switched fused spur.
2. See Figure 1. Undo the two screws on the right hand side of the panel lid and open the lid fully to the left.
3. Carefully disconnect the panel’s batteries then remove and store them safely.
4. See Figure 2. At the rear of the panel lid, disconnect the 2-wire CONN1 connector on the dock.
5. See Figure 2. Unscrew the dock’s four retaining screws. Keep the screws but remove and dispose of old handset & dock.
6. Align the new PTT handset and dock with the four available holes and secure in position using the screws previously removed in step 5.
7. Re-connect the 2-wire CONN1 connector on the PTT dock previously removed in step 4.
8. Carefully replace the panel’s batteries and reconnect them observing correct polarity.
9. Close the panel lid and secure the two screws on the right hand side.
10. Re-apply mains power to the ECU panel via the panel’s switched fused spur.

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