'Clearly Better Sound'

Version 1

CDPM ANALOGUE INTERFACE

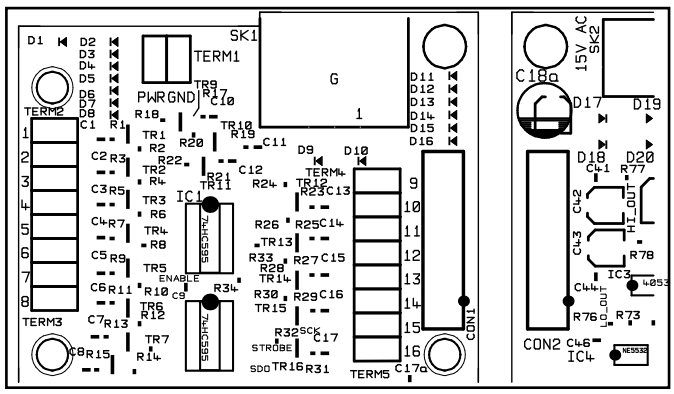
Installation Sheet

This optional module should have been supplied with the following additional hardware:

1x 5-9mm cable gland
2x black self-tapping screws for XLR fixing
4x M3 fixing screws for PCB fixing

Installation

1. Disconnect power from the microphone
2. Free the display from the base by removing all fixing screws in the bottom and the two M3 screws on the rear panel. Keep these screws for reassembly.
3. The microphone element should be disconnected from the main board and the ribbon cable at 'CON3' should be disconnected.
4. Remove the display metalwork.
5. Remove the blanking plate covering the two circular holes in the rear panel.
6. Fit the module such that the XLR socket fits through the hole marked 'AUDIO OUT' on the rear panel.
7. Fix the module to the base using the M3 fixing screws.
8. Fit the black self-tapping screws to the XLR socket.
9. Fit the threaded shaft of the cable gland to the hole marked 'ANALOGUE PORT' on the rear panel. Fix this using the sharp edged nut to provide a firm electrical contact.
10. Remove the domed nut and rubber tube from the cable gland, then thread first the domed nut then the rubber tube onto the cable.
11. Strip back the shield on the signals cable such that once the rubber tube is inserted into the threaded shaft, the shield will be clamped between the tube and the metal of the shaft.
12. Put the cable through the threaded shaft and then insert the rubber tube. Tighten the domed nut to clamp down on the cable.
13. Connect access cores to their respective access terminals. These are located at either side of the module and are detailed in adjacent diagram. Connect the '0V' mixer contact to the 'GND' terminal and if you are intending to power the microphone from the mixer, connect the '+V' mixer contact to the 'PWR' terminal.
14. Connect the module's ribbon cable to the main board socket 'CON2'.
15. Reconnect the microphone element. The red core should be connected to MIC+ on the mainboard, and the blue/black core should be connected to the MIC- screw terminal.
16. Reconnect the display ribbon cable to 'CON3'.
17. Fix the chassis back on to the base using the screws kept from step 2.
18. Reconnect the power.



Operation

The output of the access contact module reflects zone selections across the entire system and is not limited by the number of zones available on the microphone it is contained within E.G. an access contact module installed into a CDPM-4 will be able to operate over all 16 zones if other microphones on the system require it.

The access contact module monitors the state of its output, so can detect when the short-to-ground system is in use by another microphone. In this situation, the system is assumed to be busy. When the system is busy only high priority microphones on the CDPM network may make an announcement. This allows the short-to-ground interface to be used in networks which use other paging equipment.