

Technical Data Sheet

EMO E614 POWER DISTRIBUTION PANEL

42-614 E614 POWER DISTRIBUTION PANEL

WARNING : THIS EQUIPMENT MUST BE EARTHED. TO AVOID ELECTRICAL SHOCK, DO NOT OPEN CASE. TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE UNIT TO RAIN OR MOISTURE.

To ensure safe operation of this unit and equipment connected to it read the following and take the appropriate action.

CONNECTIONS

The input connector is on the front panel and is a 20A Powercon. It should be connected to an earthed single phase supply of nominally 220-240Vac. A protective device should be fitted at the supply source to ensure that the panel is adequately protected against overcurrent. It is recommended that the supply source should have earth leakage protection. When routing the supply cord care should be taken to minimise the possibility of mechanical damage, sources of heat should be avoided. The supply cord should not be 'coiled'.

The front panel has a Powercon loop-out connector to feed other panels and four other Powercon connectors for local use. The rear panel contains six IEC latching connectors and four Powercon outlets.

Each outlet should not be overloaded; output current should be restricted to their rated maximum, ie Powercon outlet to 20 Amp and IEC to 10 Amp. The total panel load (including any 'linked' panels) should not exceed the input connector rating and panel maximum rating of 20 Amps.

INSTALLATION

Installation and connection should only be carried out by a suitably qualified person and in accordance with local wiring regulations.

This unit should not be used free standing, it must be securely fixed in a 19" rack before use. It is only suitable for use indoors. These units are not designed for use in a domestic environment.

EARTHING/MAINTENANCE

When using the back panel earthing screw, do not excessively tighten. If an eye termination is to be used, the screw size is M4. This screw is provided for supplemental bonding only. Main panel earthing should be supplied via the panel input connector. Earth bonding and insulation resistance should be checked at appropriate intervals. These should be determined taking into account installation circumstances, projected usage and environmental conditions.

The supply must be isolated before any maintenance is attempted. The top cover must not be removed with the supply connected. The three LEDs on the front panel, if illuminated, indicate that power is available. It should NOT be used to indicate supply isolation. Even with no illumination hazardous voltages may still be present.

Any equipment connected to this unit requiring isolation should be disconnected by removing the appropriate plug.

LED Indication

Three LEDs on the front panel show the condition of the incoming mains supply. With the supply correctly connected and the front panel rocker switch in the down position the green and yellow LEDs should be illuminated. The red LED should be extinguished. If this is the case then loads may be connected. The rocker switch may be switched to the off position. This will prevent LED illumination, which may be desirable under certain conditions.

If the LEDs do not illuminate as above then the issues with the incoming mains supply must be fixed before the panel can be used.

If the yellow LED IS NOT illuminated then the earth is not

present on the incoming mains supply. This needs to be rectified before continuing.

If the red LED IS illuminated then there is a fault with the phasing of the incoming supply. The live and neutral may be reversed. Check the connections before continuing. If a Shuko connector is supplying the unit then turning it round may cure the problem.

PROTECTION

Two Thermal Magnetic Circuit Breakers are fitted to the front panel a 10A breaker for the IEC outputs and a 20A for the Powercon connectors. The breaker will trip on overcurrent. Remove the excess load and then reset the breaker by pushing it.

ACCESSORIES

Mating Powercon connectors:

Input cable 42-021 Neutrik NAC3FCA
Output cable 42-022 Neutrik NAC3FCB

Dust Covers for Powercon panel connectors:

For NAC3MPA-1 input connector 43-066
For NAC3MPB-1 output connector 43-066

Mating IEC connector:

Output cable 42-054

Cables:

IEC <https://www.canford.co.uk/AC-MAINS-POWER-LEADS-IEC>

TECHNICAL SPECIFICATION

Dimensions:	Housing only:	19" (w) x 100 mm (d) x 1U (h)
	Over connectors:	19" (w) x 112 mm (d) x 1U (h)
Weight:		2K