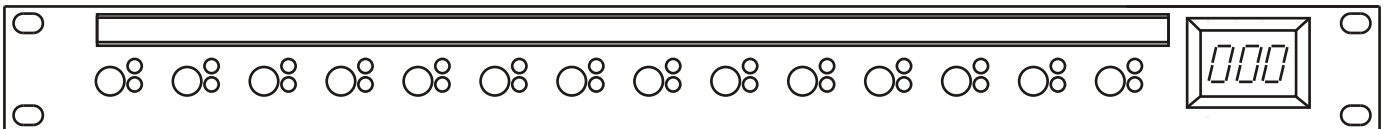


INSTRUCTION MANUAL

PDU-14LA

**14 Way Digital Ammeter
Power Distribution Unit**



Installation

INTRODUCTION

The PDU-14L provides for mains distribution to up to fourteen destinations from the panel mounted Powercon inlet connector. The unit features circuit monitoring for 3 states. Powered circuits are monitored by front panel green LED indicators, which illuminate when associated fuses are intact, blown fuses are indicated by the green LED indicators extinguishing and the red LED's illuminating. The current being drawn is monitored and displayed using the digital display on the front panel

1. UNPACKING

Carefully remove unit and associated parts from packaging.

Items enclosed: -

- Unit
- Mating Connector for Mains Inlet
- Safety Notice

2. SAFETY NOTICE

Carefully read the Safety Notice and ensure compliance on installation.

3. INSTALLATION: MECHANICAL

The unit is designed for standard 19" wide equipment rack, and occupies 1U (44mm) of height. Whilst there is no restriction, typical location for installation is at the top of the rack. The unit should be fixed to the rack using 4-off M6 x 12mm slotted pan head screws with associated plain and nylon washers [NB. Nylon washer should be fitted nearest the panel].

4. INSTALLATION: ELECTRICAL

FUSES

The unit comes with fuses already installed, should you need to replace any fuses then using an appropriate tool (e.g. Flat-bladed screwdriver) push down firmly and turn the fuse holder caps anti-clockwise to release and withdraw from holders. Fit fuses of appropriate rating for each output load. NOTE: FUSE RATING PER OUTLET MUST NOT EXCEED 5 AMPERES. USE ONLY HRC CERAMIC FUSES TO BS 4265 (IEC 127). Insert each fuse into a cap, and fit assembly into fuse holder. Press cap firmly in with tool and turn clockwise to lock.

MAINS INLET

Wire mating connector (supplied) with appropriately rated 3-core cable. [Cable colour code: L – BROWN, N – BLUE, E – GREEN/YELLOW] Connect to unit and feed from a 230V 50Hz supply fitted with a circuit breaker rated at 16 Amperes maximum.

Operation

1. POWERING THE UNIT

Power up by plugging and rotating the Powercon inlet connector clockwise. Live circuits are indicated by the green LED's associated with each fuseholder. The digital display monitors the current being drawn.

2. LOAD FAULT: INDICATION

In the event of a load fault, the related fuse will blow, causing the associated green LED to extinguish and the red LED to illuminate.

3. LOAD FAULT: CLEARING

Disconnect faulty unit.

4. FUSE REPLACEMENT

Using an appropriate tool (e.g. Flat-bladed screwdriver,) turn fuse holder cap anti-clockwise to release, and withdraw fuse and cap from holder. Discard faulty fuse, and replace with one of similar type and rating. Insert fuse into cap, and assembly into fuse holder. Press cap in with tool and turn clockwise to lock. Associated neon should illuminate.

5. CURRENT MONITORING

Current load can be monitored on the digital display mounted on the front panel.

NOTE: The total maximum load of the unit is 20Amp, this must not be exceeded under no circumstances.

Specification

Construction

19 "Folded steel

Electrical

Mains input 220/240V 50Hz

Input connector Neutrik Powercon

Maximum input current: 20 Amps

Output connectors: Neutrik Powercon

Maximum output current: 6 Amp/outlet continuous

Maximum total output current: 20Amps