

Physical Description

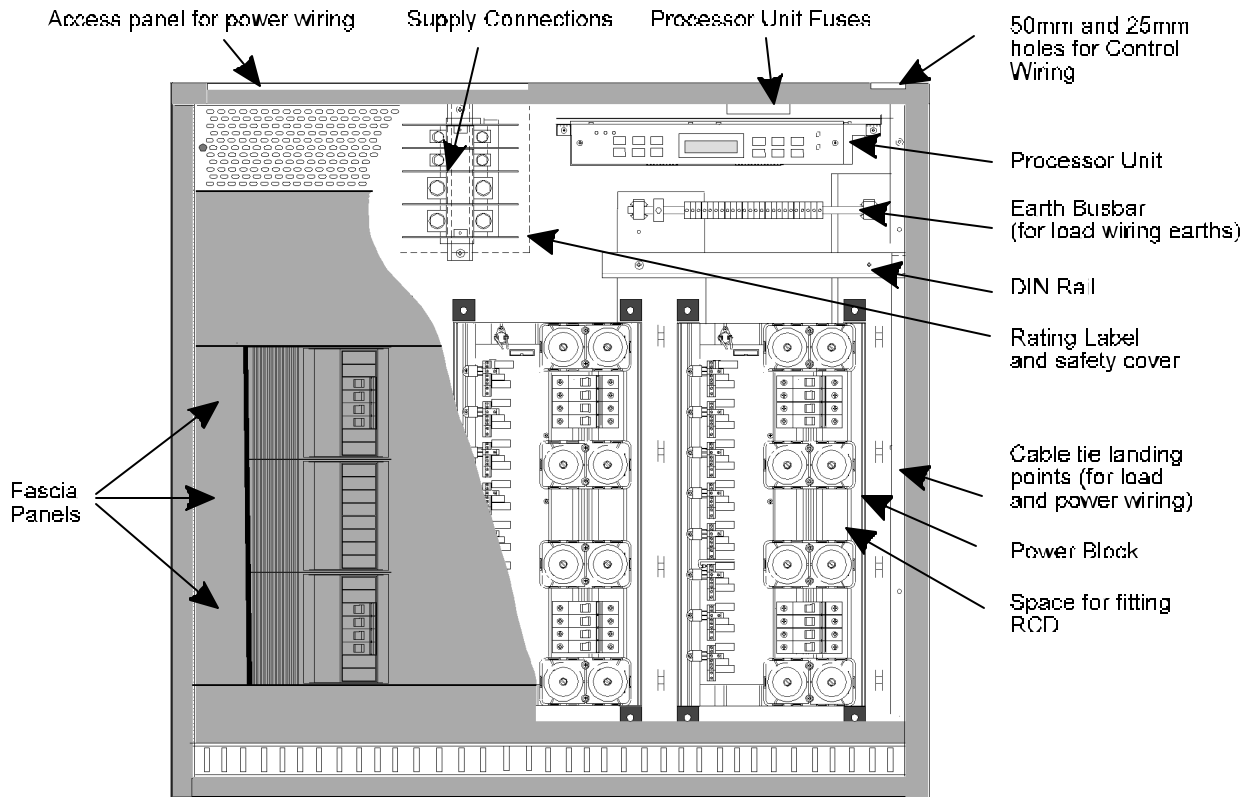
This section describes the main physical parts of the LD90 system - the Rack and Power Blocks.

Rack Layout

The rack is a welded steel construction comprising three main areas:

- The chamber at the top, where the main power input is terminated, and load cables exit.
- The processor unit, including keypad and display. This controls all of the rack's intelligent functions.
- The lower area, with locating positions for the three single-phase Power Blocks. All racks must have three Blocks fitted, but any combination, including custom blank types may be fitted.

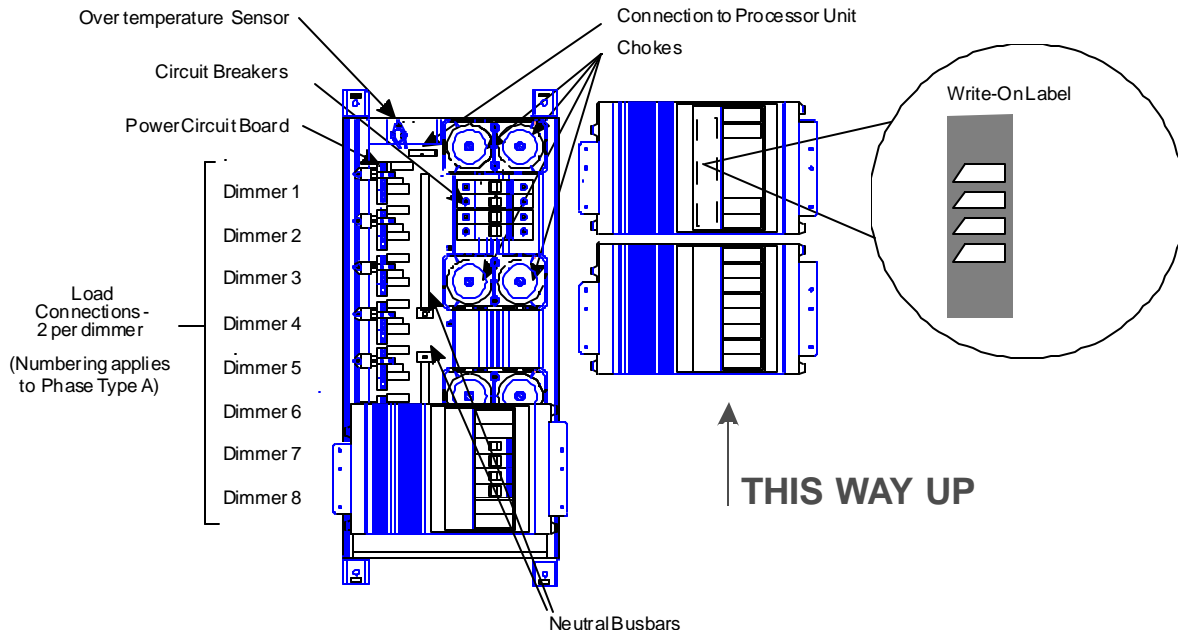
In addition, a DIN rail is supplied to allow additional fittings such as extra contactors, timer modules etc. to be fitted.



Typical Power Block (2.5kW, Single Pole)

Each power block comprises the same basic elements:

- A heatsink extrusion and moulded fascia covers.
- A single choke for 2.5kW circuits and a pair for 5kW circuits.
- A Miniature Circuit Breaker (MCB) for each dimmer.
- A Power control circuit board and associated power devices.



- Note carefully the orientation - it is possible to install the blocks upside down by mistake!
- Wiring details are provided in the **power block and accessory instructions** enclosed with each block and appended to the rear of this manual.

