# LASCAR PSU 201

Fixed Voltage Single Rail Power Supply

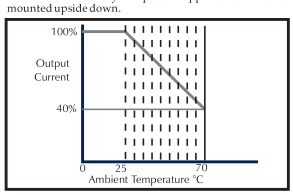
The PSU 201 is a compact, fixed voltage 'open' mains power supply unit designed primarily for OEM use. The linear regulator ICs used feature over-current and over-temperature protection.

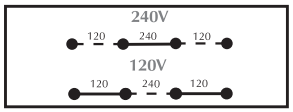
- Simple Screw-Terminal Connection
- Low Profile
- Encapsulated Mains Transformer

| 5V Output<br>12V Output<br>15V Output | | | | | Stock Number<br>PSU 20105<br>PSU 20112<br>PSU 20115 |
|---|---|---|---|---|---|
| **Specification** | **Min.** | **Typ.** | **Max.** | **Unit** | |
| Load regulation | | | 1 | % | |
| Line regulation | | | 1 | % | |
| Ripple | | | 5 | mV | |
| Operating temperature | 0 | | 70 | °C | |
| **Output** | | | | | |
| PSU20105 V | 4.75 | 5 | 5.25 | V | |
| PSU20105 I | | | 1000 | mA | |
| PSU 20112 V | 11.5 | 12 | 12.5 | V | |
| PSU 20112 I | | | 500 | mA | |
| PSU 20115 V | 14.4 | 15 | 15.6 | V | |
| PSU 20115 I | | | 300 | mA | |
| Input (50-60Hz)<br>- link selectable | 110<br>220 | 120<br>240 | 125<br>250 | VAC | |

## Derating Curve

The hotter the unit becomes the lower the current that may be taken from it. Enclosures should be adequately ventilated if necessary and power supplies should not be mounted upside down.




## Selecting Mains I/P Voltage

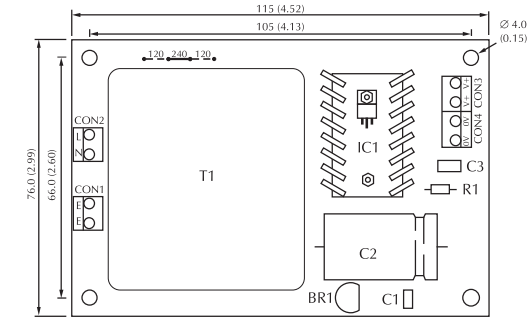
The unit is normally supplied connected for 240V operation. For 120V operation remove 240V link and insert BOTH 120V links.

## Safety

For safe operation, the unit must be installed in an enclosure which prevents accidental contact with hazardous voltages, by providing appropriate insulation or guarding. If the enclosure is made of a conducting material or the internal surfaces have a conductive coating, ensure that no part of the power supply will come into contact with it, and maintain an air gap clearance of minimum 10mm. Two terminals (E) are provided as anchorage for earth leads. The mains lead to the unit must be fused with a 63mA (240V operation)or a 125mA (120V operation) fuse. Fuses should be IEC 127 part 2, sheet 3, DIN 41662 anti-surge spiral. In general, it is the responsibility of the user to ensure that the incorporation of the power supply unit into the OEM equipment conforms to the relevant sections of BS EN 61558-1: 1998, in accordance with the Low Voltage Directive (LVD 93/68/EEC).

**IF IN DOUBT CONTACT AN APPLICATIONS ENGINEER.**

## DIMENSIONS All dimensions in mm (inches)






LASCAR PSU 201

Fixed Voltage Single Rail Power Supply

The PSU 201 is a compact, fixed voltage 'open' mains power supply unit designed primarily for OEM use. The linear regulator ICs used feature over-current and over-temperature protection.

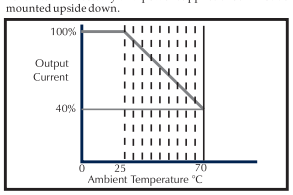
- Simple Screw-Terminal Connection
- Low Profile
- Encapsulated Mains Transformer

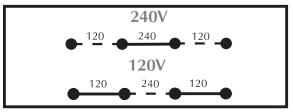
5V Output, 12V Output, 15V Output — Stock Number PSU 20105, PSU 20112, PSU 20115

| Specification | | Min. | Typ. | Max. | Unit |
|---|---|---|---|---|---|
| Load regulation | | | | 1 | % |
| Line regulation | | | | 1 | % |
| Ripple | | | | 5 | mV |
| Operating temperature | | 0 | | 70 | °C |
| Output | | | | | |
| PSU20105 | V | 4.75 | 5 | 5.25 | V |
| | I | | | 1000 | mA |
| PSU 20112 | V | 11.5 | 12 | 12.5 | V |
| | I | | | 500 | mA |
| PSU 20115 | V | 14.4 | 15 | 15.6 | V |
| | I | | | 300 | mA |
| Input (50-60Hz)<br>- link selectable | | 110<br>220 | 120<br>240 | 125<br>250 | VAC |

Derating Curve

The hotter the unit becomes the lower the current that may be taken from it. Enclosures should be adequately ventilated if necessary and power supplies should not be mounted upside down.




Selecting Mains I/P Voltage

The unit is normally supplied connected for 240V operation. For 120V operation remove 240V link and insert BOTH 120V links.

Safety

For safe operation, the unit must be installed in an enclosure which prevents accidental contact with hazardous voltages, by providing appropriate insulation or guarding. If the enclosure is made of a conducting material or the internal surfaces have a conductive coating, ensure that no part of the power supply will come into contact with it, and maintain an air gap clearance of minimum 10mm. Two terminals (E) are provided as anchorage for earth leads. The mains lead to the unit must be fused with a 63mA (240V operation)or a 125mA (120V operation) fuse. Fuses should be IEC 127 part 2, sheet 3, DIN 41662 anti-surge spiral. In general, it is the responsibility of the user to ensure that the incorporation of the power supply unit into the OEM equipment conforms to the relevant sections of BS EN 61558-1: 1998, in accordance with the Low Voltage Directive (LVD 93/68/EEC).

IF IN DOUBT CONTACT AN APPLICATIONS ENGINEER.

DIMENSIONS All dimensions in mm (inches)