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

THEFT

11111111

111111111

THEFT

) 25 70 Ambient Temperature °C

240V

**Derating Curve** 

mounted upside down.

Output

Current

40%

**LASCAR** PSU 203

The PSU 203 is a compact, split 'open' mains power supply unit designed primarily for OEM use. The linear regulator Ics used have over-current and over-temperature protection.

- Simple Screw-Terminal Connection
- Low Profile
- Encapsulated Mains Transformer
- Positive and Negative Adjustable Rails
- 20-turn Trimmers For Accurate Setting

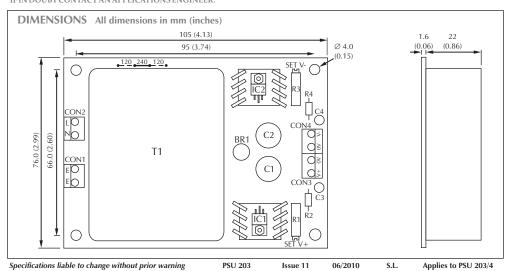
Standard Unit				S	tock Number PSU 203
Specification		Min.	Тур.	Max.	Unit
Load regulation				1	%
Line regulation				1	%
Ripple				5	mV
Operating temperature		0		70	°C
Output					
Positive	V	5		15	V
	1			150	mA
Negative	V	-5		-15	V
	I			-150	mA
Input (50-60Hz)		110	120	125	VAC
- link selectable		220	240	250	Wite.

## **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 EN 60742, in accordance with the Low Voltage Directive (LVD 93/68/EEC). IF IN DOUBT CONTACT AN APPLICATIONS ENGINEER



LASCAR ELECTRONICS LTD. MODULE HOUSE, WHITEPARISH, WILTSHIRE SP5 2SI.UK TEL: +44 (1794) 884567 FAX: +44 (1794) 884616 E-mail: sales@lascar.co.uk

LASCAR ELECTRONICS INC 4258 WEST 12th STREET, ERIE.PA 16505.USA TEL: +1 (814) 835 0621 FAX: +1 (814) 838 8141 E-mail: us-sales@lascarelectronics.com LASCAR ELECTRONICS (HK) LTD

8th FLOOR, CHINA AEROSPACE CENTRE 143 HOI BUN ROAD, KWUN TONG, KOWLOON,HK TEL: +852 2389 6502 FAX: +852 2389 6535 E- mail: saleshk@lascar.com.hl-



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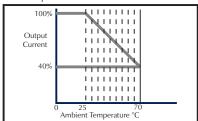
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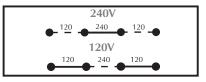
## Selecting Mains I/P Voltage

Safety

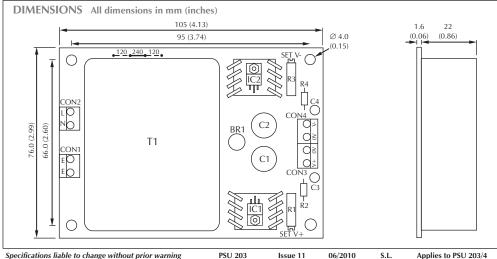
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