



752 Series

230VAC Industrial LED PSU



*Long Life Reliability
does not cost the earth*

Feature Summary

- Two 325mA Constant Current outputs or One 650mA Constant Current Output.
- Ultra-high reliability design — 350,000 hours MTBF*
- Simultaneous dimming of LED outputs
- Power factor corrected input supply.
- Input to output isolation.
- Capable of driving up to 24 LEDs†.



Product Codes

- The 752 Series Power Supplies are available in the following models:-
752101 - Dual Output Dimmable

Product Range Standard Features	
Input Voltage Range	160-265VAC
Enclosure Type	Zinc Plated Steel
Input Connector	3 Way Barrier Screw Terminal with Cover
Output Connector	6 Way Barrier Screw Terminal with Cover

* MTBF calculated using US MIL-217F GM standard @ 40°C.

† Assuming single 1W LEDs.



Input Specification

Acceptable Input Supply Voltage Range	160-265VAC
Input Voltage Limit Without Damage	280VAC
AC Input Current (max @ 230VAC)	0.2A
Quiescent Current (No Load @ 230VAC)	60mA
Power Factor	>0.82
Mains Harmonics	Class C
Peak Inrush Current (@ Peak Sine)	60A
Time to Half Value (@ T=25°C)	350us

Output Specification

Two 325mA Outputs

Maximum Output Current	325mA
Maximum Output Voltage	50VDC
Maximum LEDs (Per Output)	12 x 1W
Minimum Load (Master Output)	3W
Short Circuit Current	325mA

One 650mA Output (Outputs Paralleled)

Maximum Output Current	650mA
Maximum Output Voltage	50VDC
Maximum LEDs (Per Output)	12 x 1W
Minimum Load (Master Output)	3W
Short Circuit Current	650mA



Environmental Specification

All Variants		
Unit Weight	600	g
Sealing Rating	IP2X	
Operating Temperature Range	-30 to 55	°C
MTBF Ground Mobile 40°C	350,000	Hrs

Compliance

The 752 Series Industrial LED Power Supplies comply with the following standards:

- EN61000-6-3:2001 + A11:2004 Residential Commercial & Light Industrial Generic Emissions.
- EN6100-6-2:2005 Industrial Generic Immunity
- EN61204-3:2001 Low Voltage DC Power Supplies (DC Output)
- EN60950-1:2006 Low Voltage Directive

Safety Specification

The 752 Series Industrial LED PSU is equipped with the following protection circuitry as standard:

- Input to output isolation.
- Output short circuit protection.
- Load inrush protection.
- Input and output transient protection.

Installation Guide

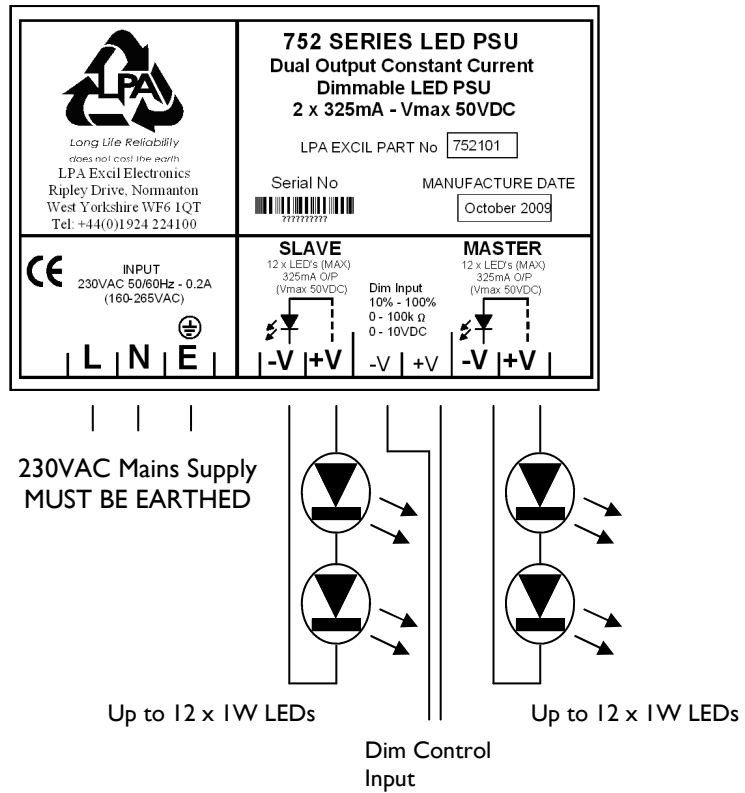
General Installation Notes:

The unit should be connected to the mains supply via a readily accessible disconnect device incorporated external to the equipment.
 The unit contains no user serviceable parts.
 The unit must be EARTHED
 The unit should be installed in a restricted access location.

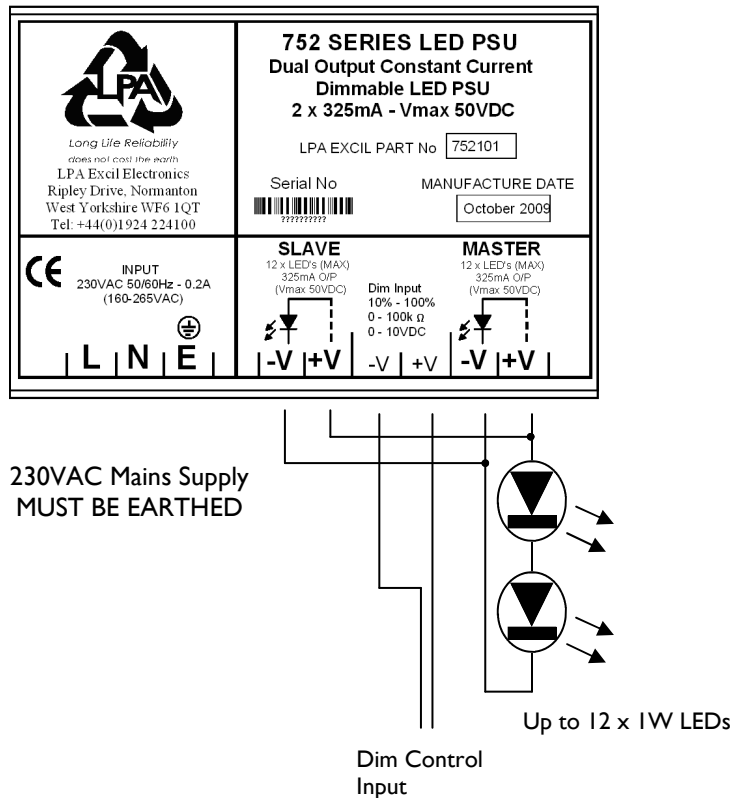
Maximum Supply Cable Impedance	
Input Voltage V AC	Impedance Ω*
160-265	2

Installation Diagrams

Two 325mA Outputs

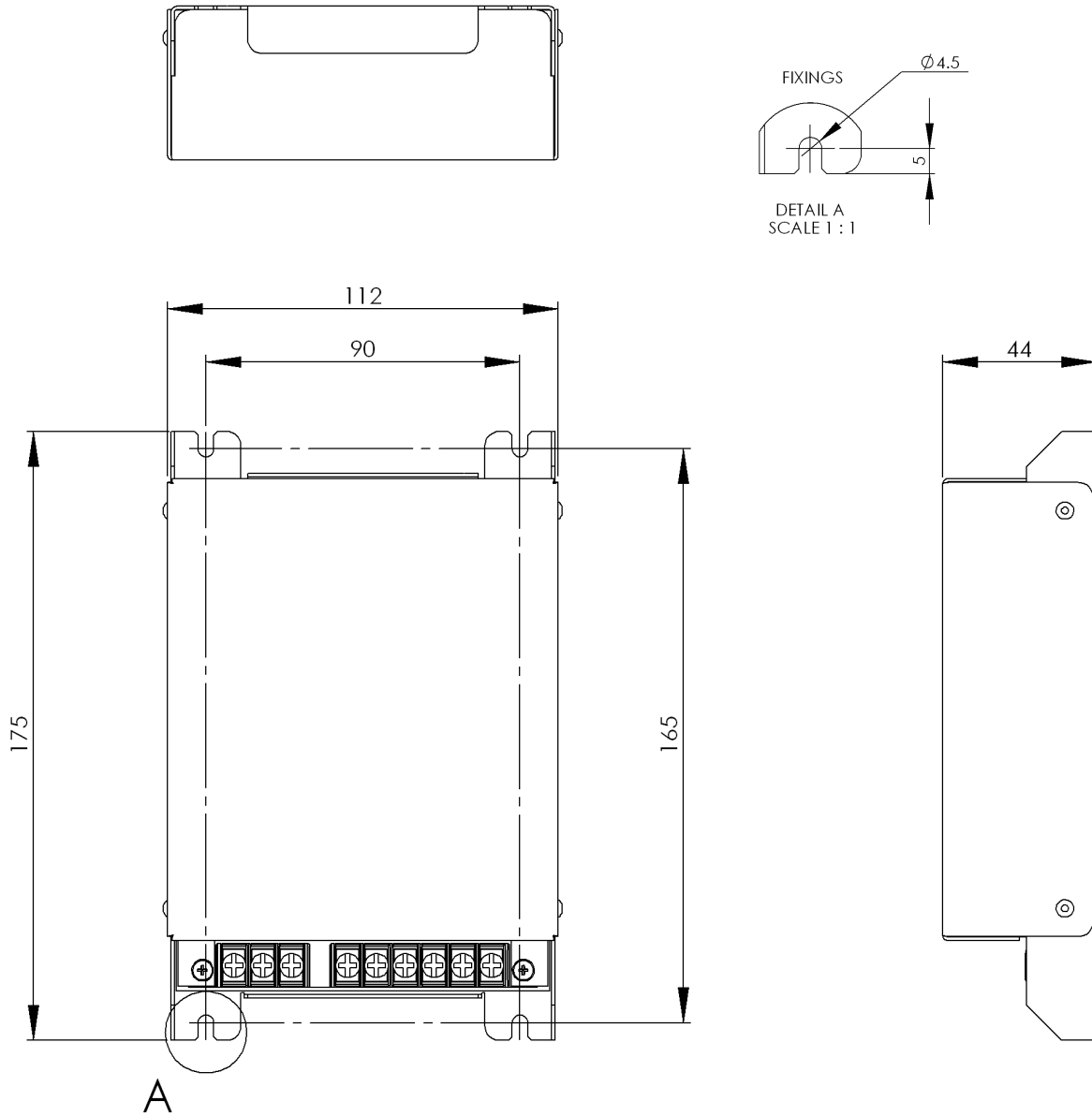


One 650mA Output (Outputs Paralleled)



Mechanical Specification

All Dimensions in mm unless stated otherwise



LPA-Excil makes every effort to ensure the accuracy of the information contained within this datasheet. However we reserve the right to withdraw and re-issue this datasheet at a later date.

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