



# PS1.5, LPR POWER SUPPLIES

## Adjustable External Power Supply

The **A/PS1.5** adjustable power supply is a low cost, dependable external power supply. This unit will accept an input of up to 28 VAC or 35 VDC, and provides an adjustable 1.2 to 27 VDC output. The A/PS1.5 will supply 1.5A continuous when (Vin-Vout <15V). The maximum power dissipation is internally limited to 20W.

The **LPR** is an adjustable regulated power supply with a maximum output current of 1 amp. It accepts up to a 28 VAC or 40 VDC input voltage and outputs 2 to 25 VDC by adjusting a multi-turn potentiometer. Half wave rectification makes it possible to power the LPR from either AC or DC sources. These sources can be either grounded or floating without damage to the LPR.

**Applications:** DC Power Supply, Transducer Supply, Test Bench Supply, Analog Signal Simulator, DC Power Regulation from Control Transformer

The ACI Power Supply Series is covered by ACI's Two (2) Year Limited Warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's website, [www.workaci.com](http://www.workaci.com).

### PRODUCT SPECIFICATIONS

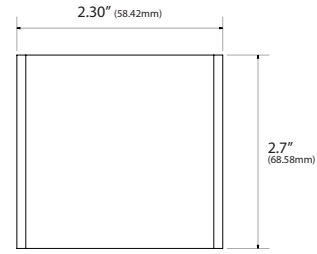
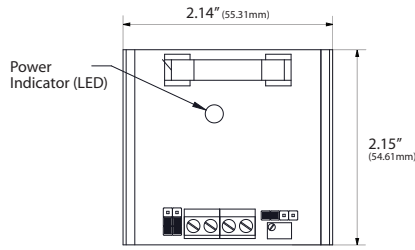
<b>PS1.5 Supply Voltage:</b>	22 to 28 VAC, or Regulated +30 to 35 VDC
<b>PS1.5 Output Voltage:</b>	24 VDC
<b>PS1.5 Output Adjustable Voltage Range:</b>	+1.3 to 27 VDC
<b>PS1.5 Overload Protection:</b>	1.5 Amp Maximum
<b>PS1.5 Protection:</b>	Fuse for ground loop protection   Internal protection is provided
<b>PS1.5 Operating Temperature Range:</b>	30 to 185°F (0 to 70°C)
<b>PS1.5 Operating Relative Humidity Range:</b>	0 to 95% non-condensing
<b>PS1.5 Connections   Wire Size:</b>	Screw Terminal Blocks   16 (1.31mm <sup>2</sup> ) to 26 AWG (0.129 mm <sup>2</sup> )
<b>PS1.5 Terminal Block Torque Rating:</b>	0.5 Nm (Minimum); 0.6 Nm (Maximum)
<b>PS1.5 Rectifier:</b>	Half-Wave or Full-Wave (Jumper Selectable)
<b>PS1.5 Snaptrack Material:</b>	Polyvinyl Chloride (PVC)
<b>PS1.5 Snaptrack Flammability Rating:</b>	UL94 V-0
<b>PS1.5 Product Dimensions:</b>	(L) 2.14" (54.36) x (W) 2.15" (54.61 mm) x (H) 1.56" (39.62 mm)
<b>PS1.5 Product Weight:</b>	0.14 lbs (0.064 kg)
<b>PS1.5 Agency Approvals:</b>	RoHS2, WEEE
<b>LPR Supply Voltage:</b>	24 VAC +/- 10%, or up to 40 VDC (DC input voltage should be 5 volts more than expected output)
<b>LPR Output Voltage:</b>	24 VDC
<b>LPR Output Adjustable Voltage Range:</b>	+2 to 25 VDC (Up to 35 VDC if 40 VDC input)
<b>LPR Output Current:</b>	1.0 Amp Maximum
<b>LPR Protection:</b>	Does not require fusing as internal protection is provided
<b>LPR Operating Temperature Range:</b>	32 to 120°F (0 to 48.9°C)
<b>LPR Operating Relative Humidity Range:</b>	10% to 95% non-condensing
<b>LPR Connections   Wire Size:</b>	45° Captive Screw Terminal Blocks   12 (3.31 mm <sup>2</sup> ) to 22 AWG (0.33 mm <sup>2</sup> )
<b>LPR Terminal Block Torque Rating:</b>	0.5 Nm (Minimum); 0.6 Nm (Maximum)
<b>LPR Rectifier:</b>	Half-Wave
<b>LPR Snaptrack Material:</b>	Polyvinyl Chloride (PVC)
<b>LPR Snaptrack Flammability Rating:</b>	UL94 V-0
<b>LPR Product Dimensions:</b>	(L) 3.22" (81.79 mm) x (W) 2.17" (55.12 mm) x (H) 2.09" (53.09 mm)
<b>LPR Product Weight :</b>	0.29 lbs (0.1315 kg)
<b>LPR Agency Approvals:</b>	RoHS2, WEEE



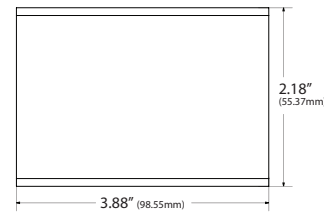
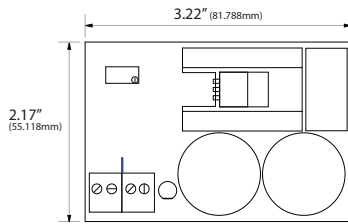


**DIMENSIONAL DRAWING**

**PS1.5 Transformer**



**LPR Transformer**



**Standard View**

**Snap Track**

**STANDARD ORDERING**

Model # Example: **A/PS1.5** -OR- **122486**

Model #	Item #	Description
<b>A/PS1.5</b>	122486	Adjustable External Power Supply
<b>LPR</b>	127763	Adjustable Regulated Power Supply with a Maximum Output Current of 1A

**ACCESSORIES ORDERING**

Model # Example: **A/DRC 2.7 X 2.3** -OR- **142625**

Model #	Item #	Description
<b>A/DO008</b>	142583	Transient Voltage Suppressor, Bi-directional, 56 VAC/DC, 1500W
<b>A/DRC 2.7 X 2.3</b>	142625	DIN Rail Adapter Kit for PS1.5
<b>A/DRC 3.88 X 2.18</b>	142623	DIN Rail Adapter Kit for LPR
<b>ENC1</b>	102472	20 Gauge Metal Enclosure

