



A/PS1.5

# POWER SUPPLY

## Adjustable Power Supplies

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  $(V_{in}-V_{out} < 15V)$ . 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.

The ACI Power Supply Series is covered by ACI's Five (5) Year Limited Warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's web site, [www.workaci.com](http://www.workaci.com).





**SPECIFICATIONS**

<b>Supply Voltage (LPR)</b>	24 VAC +/- 10%, or up to 40 VDC (DC input voltage should be 5 volts more than expected output) Does not require fusing as internal protection is provided.
<b>Supply Voltage (PS1.5)</b>	Regulated +30 to 35 VDC or 22 to 28 VAC
<b>Output Voltage (LPR)</b>	Adjustable from approximately 2 to 25 VDC (up to 35 VDC if 40 VDC input) Factory set at 24 VDC
<b>Output Voltage (PS1.5)</b>	Adjustable from +1.3 to 27 VDC
<b>Output Current (LPR)</b>	1.0A maximum
<b>Output Current (PS1.5)</b>	Internally Regulated Thermal Shutdown Fuse Protected for ground loop protection
<b>Overload Protection (PS1.5)</b>	1.5A maximum
<b>Power Dissipation (LPR)</b>	10 watts Watts = (VAC in /0.707) VDC out x Load Current Watts = (VDC in - VDC out) x Load Current
<b>Power Dissipation (PS1.5)</b>	20 Watts maximum
<b>Operating Temperature Range (LPR)</b>	32 to 120°F (0 to 48.9°C)
<b>Operating Temperature Range (PS1.5)</b>	30 to 185°F (0 to 70°C)
<b>Operating Relative Humidity Range (LPR)</b>	10% to 95% non-condensing
<b>Operating Relative Humidity Range (PS1.5)</b>	0 to 95% non-condensing
<b>Product Dimensions (LPR)</b>	(L) 3.25" (W) 2.30" (H) 2.09"
<b>Product Dimensions (A/PS1.5)</b>	(L) 2.14" (W) 2.14" (H) 2.10"

**ORDERING**

Please select Supply Type (A). If an Additional Option (1) is desired, please complete (1) and fill out the separate Part Number below.

**A** Supply Type

LPR

A/PS1.5

**1** Additional Configuration

ENC1 (Enclosure Fits LPR & A/PS1.5)

**BUILD PART NUMBER**

After completing (A) from the above table, fill in the Part Number Table below. (1) is an additional configuration. An example part number is offered.

**A**

EXAMPLE: LPR

**1**

EXAMPLE: ENC1

