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Precise Sensors
"Defining Higher Expectations"

Encapsulated Power Supply

Model PS10/PS24

Description

The Models PS10 and PS24 power supplies provide a versatile excitation source for low level or high level strain gage type sensors, 2 wire transmitters, loop powered meters, or for any instrumentation requiring 10 or 24 Volts DC operation. The conservative design and rugged construction contributes to the MTBF in excess of 100,000 hours. A 4-40 threaded insert is molded into the power supply's case to provide a means of securing the module without stressing the connection pins. Screw terminals are provided for connection using either crimp lugs or stripped wires.



Features

- 10 or 24 Volt DC output
- Regulation line and load 0.02% and 0.05%
- Chassis mounting with terminal barrier strip
- Short circuit protection
- AC operation; 115, 220, 240 VAC, 50 to 440 Hz

Applications

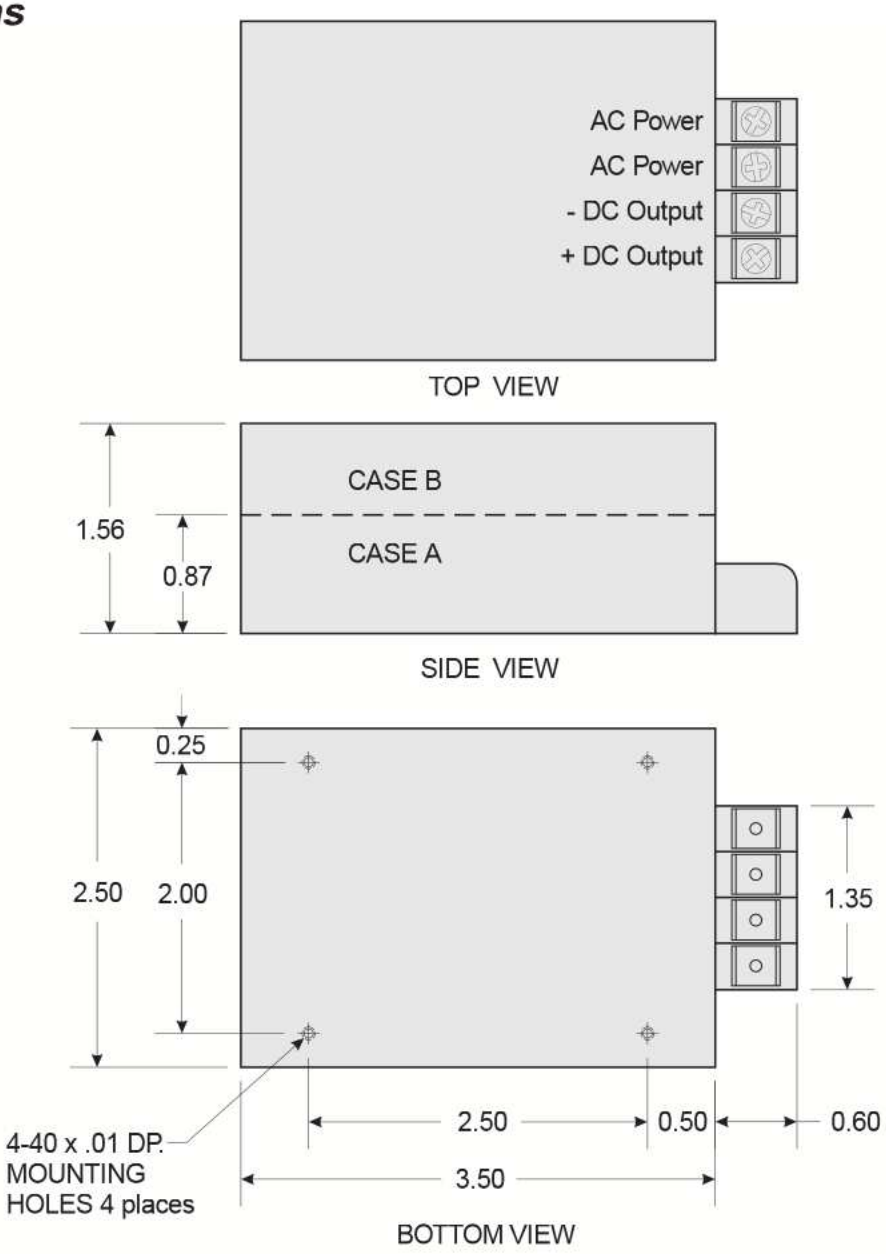
- 2 Wire transmitters
- Loop powered meters
- Strain gage type sensors
- Instrumentation requiring 10 or 24 volts DC operation

Specifications

Voltage output tolerance	Factory set at ±1% (fixed)
Temperature Coefficient	0.02%/°C (typical)
Input Isolation	50 Megohms
Operating temperature	-13°F (-25°C) to 160°F (+71°C)
Storage temperature	-13°F (-25°C) to 185°F (+85°C)
Input voltage and frequency	115, 220, or 240 VAC; 50 to 440 Hz
Ripple & noise	1.0mV RMS
Current Output	
10VDC	150mA or 500mA
24VDC	100mA or 300mA
Regulation line and load 100, 150, 300mA	0.1% line & 0.1% load
Regulation line and load 500mA	0.02% line 0.05% load

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Dimensions



Specifications are subject to change without notice.

How to order

Example: PS 24 - 100 115

PS □□ - □□□ □□□

BASIC MODEL

OUTPUT VOLTAGE
- **10** = 10VDC
- **24** = 24VDC

OUTPUT CURRENT

10 VDC
- **150** = 150mA (Case A)
- **500** = 500mA (Case B)

24 VDC
- **100** = 100mA (Case A)
- **300** = 300mA (Case B)

INPUT VOLTAGE
- **115** = 115 VAC
- **220** = 220 VAC
- **240** = 240 VAC

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We're here to make your life easier. How can we help you today?

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