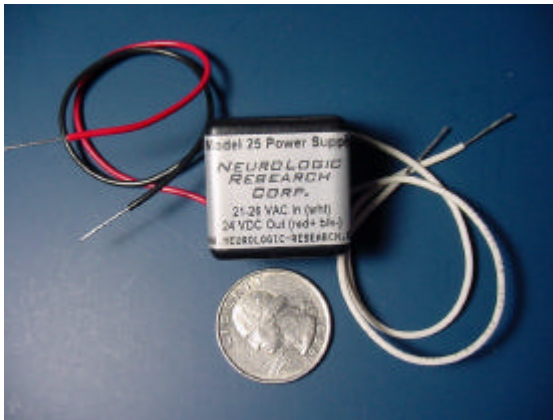


MODEL 25 - LOW VOLTAGE AC / DC POWER SUPPLY

- 21- 26 VAC Input (50 to 400 Hz.)
 - 24 VDC output at 250 mA
 - Low output ripple (70 mV typical)
 - Wide temperature range of -20 to 70 C operation
 - Input power has over current and transient voltage suppression
 - Output is short circuit protected with auto recovery.
 - DC power present diagnostic LED
 - Allows use of DC powered devices in low voltage AC systems
- Efficient switching power supply design runs cool without the need for external cooling
 - Very compact 1.0" x 1.0" x 0.78" H encapsulated module can fit into almost any wiring conduit box
 - Flying leads for easy installation
 - Low Cost

DESCRIPTION

The Model 25 is a low voltage AC to DC switching power supply that allows very efficient power transfer. The unit itself does not generate any significant heat and requires no external cooling. It is encapsulated and very compact at 1" x 1" x 0.78" in size. The entire unit can be dropped into any wiring conduit box for installation.

The Model 25 allows integration of low power DC instrumentation into 24 VAC systems. The input voltage can be 21 - 26 VAC or 28 - 36 VDC. The power input has transient voltage suppression as well as over current protection using a self-resetting fuse. This provides protection to the unit under most fault conditions.

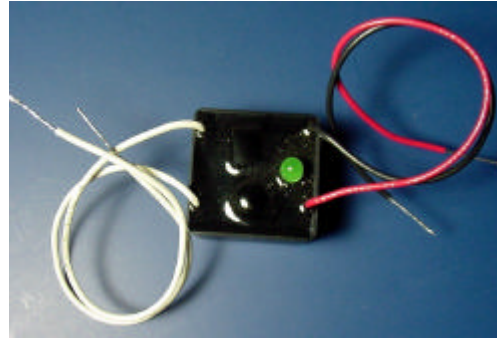
The output is 24 VDC at 250 mA maximum. Output voltage ripple is low at 70 mV typical. A diagnostic LED on the output indicates the availability of DC power. Output has short circuit protection and will recover automatically when the short is removed. Please contact the factory for other AC input or DC output voltage ranges.

WIRING, INSTALLATION, AND MOUNTING

All wiring is done via two input and two output wires. The two white wires are used to connect the low voltage AC input. A red wire and a black wire are used to connect the DC output of the supply to devices requiring DC power. The red wire is the positive DC output and the black is the negative of the DC output.

MODEL 25

Since the entire unit is encapsulated it can be simply dropped into any conduit box or enclosure without regard to mounting hardware. The switching power supply design generates very little heat and requires no external fans. A green LED indicates DC power available.



SPECIFICATIONS

Operating Environment	-20 to 70 C, 0-90% RH non-condensing
Input Power	21 – 26 VAC or 28 – 36 VDC @ 300 mA maximum. Polarity insensitive wiring.
Output Voltage	24 VDC (+/- 3% maximum)
Output Voltage Ripple	70 mV peak to peak typical.
Output Current	250 mA maximum
External Dimension	1.030" W x 1.030" L x 0.78" H
Enclosure Type / Material	Black ABS thermoplastic 94_VO rating.
Protection	Input power is fused and transient voltage protected. Fuse automatically resets when fault is removed.

ORDERING INFORMATION

0025	Model 25 Low Voltage AC/DC Power Supply.
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Code	Input Voltage Option
-24	24 VAC Nominal

Code	Output Voltage Option
-24	24 VDC

Code	Output Current Rating
-025	250 mA

0025	-24	-24	-025	Model 25 Low Voltage AC/DC power supply with 24 VAC input, 24 VDC output at 250 mA.
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