



AP9046-101

Action PAK® AP9046

DC Output Power Supply

Provides a Regulated 24VDC Output at up to 65mA



- Ideal for Two-Wire Transmitters
- Plug-in Installation
- Regulated & Unregulated Outputs
- AC Line Powered

Application

The AP9046 is useful in any two-wire transmission application to power the current loop. The 24VDC regulated output provides maximum loop drive capability without exceeding intrinsically safe voltage requirements. For installations where intrinsic safety is not a factor, the 40V unregulated output provides increased loop drive. The current rating of the AP9046 allows it to power up to three standard 4-20mA current loops simultaneously.

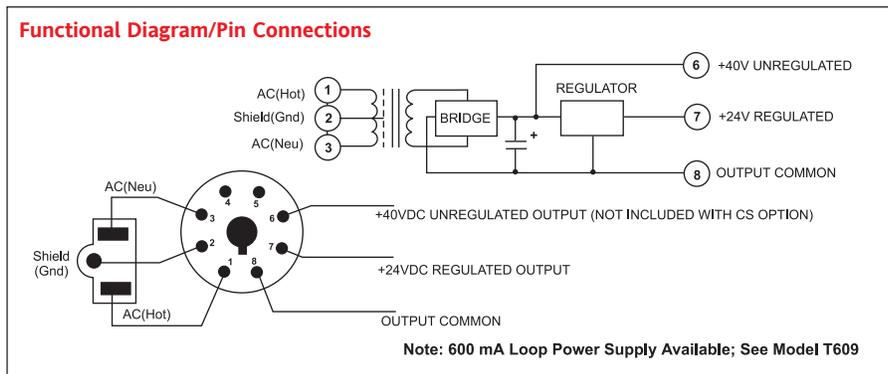
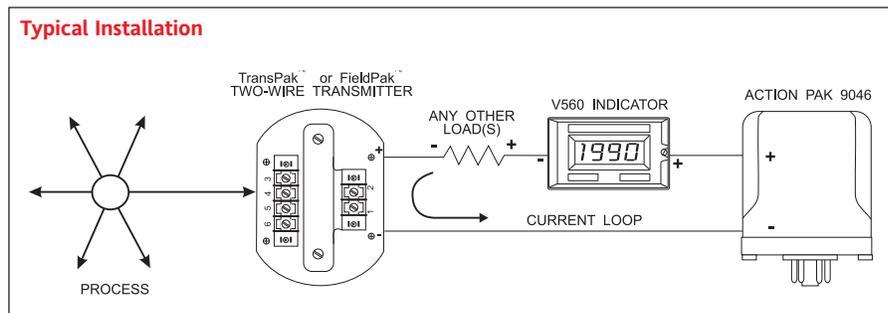
The AP9046 can also be used as a general purpose DC power supply for alarms and indicators, or any application requiring 24/40VDC at up to 65mA. *(Note: 24 VDC only with CS option)*

Options

- CS** Canadian Standards Association Certification.
- U** Urethane coating of internal circuitry for protection from corrosive atmospheres.

Mounting

All Action Paks feature plug-in design for ease of service or system modification, and low MTTR (mean-time-to-repair). Mounting hardware options for the AP9046 Power Supply include a surface/track socket (M008), a surface/DIN rail socket (MD08), and a retaining spring (M801) for high vibration applications.



Specifications

Output Voltage:

24VDC $\pm 5\%$ and 40VDC unregulated

Regulation (24VDC Output Only):

Line: within 1% (@ 120VAC10%)

Load: within 1% to rated current

Ripple: less than 15mV peak-to-peak

Output Current:

65mA @ 24VDC, max (short-circuit protected)

Operating Temperature Range (Ambient):

0 to 60°C (32 to 140°F)

Power:

120VAC $\pm 10\%$, 50 to 400Hz, standard:

3 Watts, typical; 5 Watts, maximum

Weight:

0.52lbs

Agency Approvals:

CSA certified per standard C22.2, No. 0-M1982

(File No. LR42272-8,9)

Ordering Information

Specify:

1. Model: **AP9046-101**
2. Options: CS or U (see text)
3. Line Power (if not 120VAC): 240VAC

Accessories:

- M801-0000 Retaining Spring
M008-A 8 pin Track Mount Socket
M004-0000 4 ft Long Channel Track
MD08-0000 8 pin DIN Mount Socket

Pin Connections

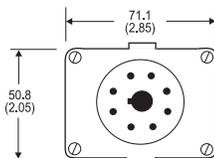
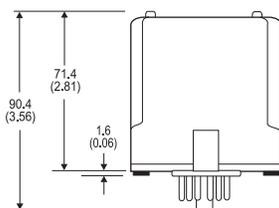
- 1 AC Power (Hot)
- 2 Shield (Gnd)
- 3 AC Power (Neu)
- 4 No Connection
- 5 No Connection
- 6 +40V unregulated
- 7 +24V regulated
- 8 Output Common

Mounting

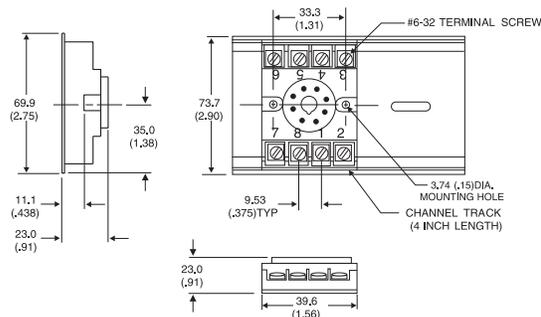
All Action Paks feature plug-in installation. The Action Pak AP9046 uses an 8-pin base either molded socket M008 or DIN-Rail MD08 mounting sockets.

Dimensions

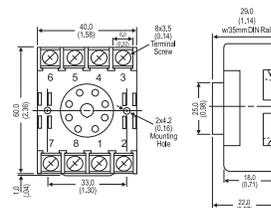
Dimensions are in millimeters (inches)



Mark II



M008 (Track/Surface)



MD08 (DIN Rail)

Eurotherm®

by **Schneider Electric**

Schneider Electric Systems USA, Inc.

44621 Guilford Drive, Suite 100

Ashburn, VA 20147

703-724-7300

info.eurotherm.us@schneider-electric.com



Printed on recycled paper

www.eurotherm.com

Factory Assistance

For additional information on calibration, operation and installation contact our Technical Services Group:

703-724-7314

US.Support@schneider-electric.com

721-0149-00-W 06/08 Copyright© Eurotherm, Inc 2008