



Input: 85-264 VAC or 90-375 VDC
Output: 24 VDC, 630 mA or 1300 mA

- Universal Power Input
- High Output Capability
- 2 Year Warranty
- Voltage Adjustment Potentiometer
- Power Indicator LED

Applications

- Power Passive 4-20 mA Sensors
- Inexpensive Loop Supply

Specifications

Power
 85-264 VAC 47-63 Hz or 90-375 VDC

Output Voltage and Current

DPP15-24: 24 VDC, 630 mA, 15 W

DPP30-24: 24 VDC, 1300 mA, 30 W

Other output voltages available. Consult factory with your requirements

Connections

Use copper wire 24 AWG to 12 AWG (0.5-2.5 mm²)

Noise and Ripple

Less than 50 mV

Regulation

Line: Less than ±0.5% of output

Load: Less than ±0.5%

Output Adjustment

Potentiometer for output adjustment

±1% of span adjustment range, approximately 22.5-28.5 VDC

24 VDC output pre-set to 24.5 VDC

Ambient Temperature Range

-10°C to +71°C operating ambient

Convection cooled

25 mm clearance required on all sides

Agency Approvals

UL1310 Class 2

UL60950-1

UL508

NEC Class 2(2)

EN60950-1

CE Mark

ISA 12.12

Dimensions

DPP15-24: 0.9" W x 2.95" H x 3.81" D

DPP30-24: 1.77" W x 2.95" H x 3.58" D



Description and Features

The **DPP15-24** and **DPP30-24** power supplies are designed to provide DC power to two-wire transmitters, panel meters, or any device requiring a source of well-regulated DC voltage.

The output voltage is factory set and may be fine-tuned by adjusting the voltage output potentiometer. The green power LED provides a visual indication that the unit is functioning. The **DPP15-24** and **DPP30-24** feature short-circuit protection for the output. Units can be mounted to an industry standard DIN rail sold separately.

Installation and Operation

ELECTRICAL CONNECTIONS

WARNING! All wiring must be performed by qualified personnel only.

Wire unit as shown on front of unit and apply power.

Power Input – Power supplies operate on any voltage within the ranges 85-264 VAC 47-63 Hz or 90-375 VDC

Power Output – Polarity must be observed when connecting the power output to the load.

In Case of Overload – Cycle input power to reset unit.

VOLTAGE ADJUSTMENT

The **DPP15-24** and **DPP30-24** are factory set to approximately 24.5 VDC. For best output voltage accuracy, allow a 20 minute warm-up time before adjusting voltage. Using an accurate voltmeter and with a normal load on the output, adjust the Vout ADJ. potentiometer to the desired voltage.

Models

Model	Voltage	Current	Power
DPP15-24	24 VDC	630 mA max.	Universal
DPP30-24	24 VDC	1300 mA max.	Universal

Accessories—Order as separate line item

API TK36 DIN rail, 35 mm W x 39" L, aluminum

