

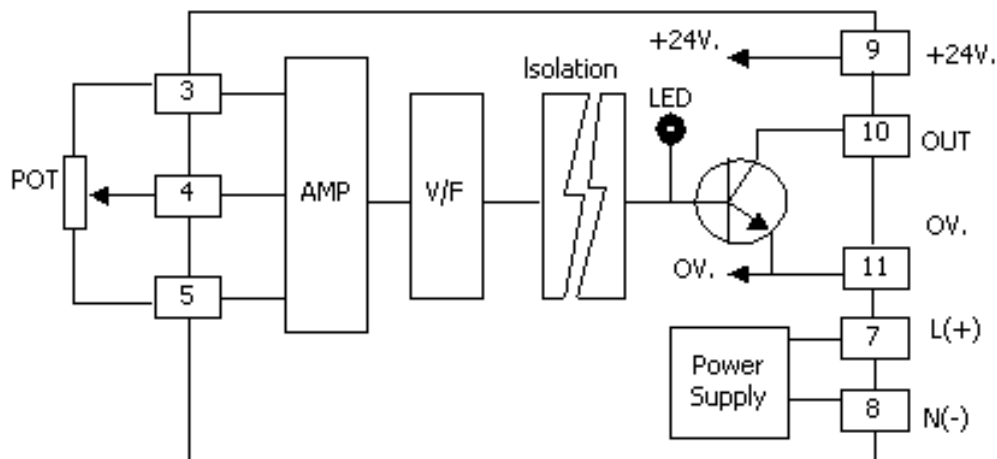
Potentiometer To Frequency

PF96



- Interface to PLC digital input
- Sense position of potentiometer
- Linearized output
- Isolation between input, Output and power supply

Potentiometer To Frequency PF96 This device enables a PLC to read the position of a potentiometer. The PF96 operates by converting the potentiometer's position into a frequency signal fed into the PLC's digital input; the PLC's high-speed counter then measures this signal's frequency, which varies in proportion to the potentiometer's position. The PF96 is useful for applications such as remote setpoint control or machinery position monitoring for instance, indicating the degree to which a damper is open and can also be adapted for liquid level measurement.



Specifications

Potentiometer Input

Number of channel: 1 Channel

Input type: Potentiometer

Input range: 100 Ω thru 50 K Ω

Linearity: $< \pm 0.2\%$ of span

Digital Output

Number of channel: 1 Channel

Output type: NPN open collector

I/O Mode: Pulse Output

Pulse Frequency: 0 KHz to 5 KHz

Isolation voltage: 500 VAC between
input, output and power supply

Power Requirements

Power Supply: 100, 110, 220 VAC
24 VDC (Optional)

Environmental Limits

Operating Temperature: 0 to 55 °C

Operating Humidity: 5 to 95% RH

Storage Temperature: 0 to 70 °C

Physical Characteristics

Dimension: W50 x H70 x D130 mm.

Mounting: Wall or DIN rail

Construction: Plug-in 11 pins socket

Warranty

Warranty Period: 5 Year

Ordering Information: Specify Output, Power supply

Example PF96/0kHz-5kHz/220VAC

Package Checklist

1. PF96