



Type 8501-1020

The 8501-1020 Isolated four wire 4 to 20 mA Transmitter converts potentiometer position into a standard analog current signal.

The integrated voltage source supplies the potentiometer with a reference voltage. The measurement signal obtained at the wiper of the potentiometer is converted in the module and output as an analog signal.

FEATURES:

- Nominal 12 V_{DC} or 24 V_{DC} power supply
- Accepts standard potentiometer input signals
- Provides 4 to 20 mA output signal
- Isolated output
- Separate Input Zero and Span adjustments
- Removable terminal blocks
- TS35x7,5 rail mount

APPLICATIONS:

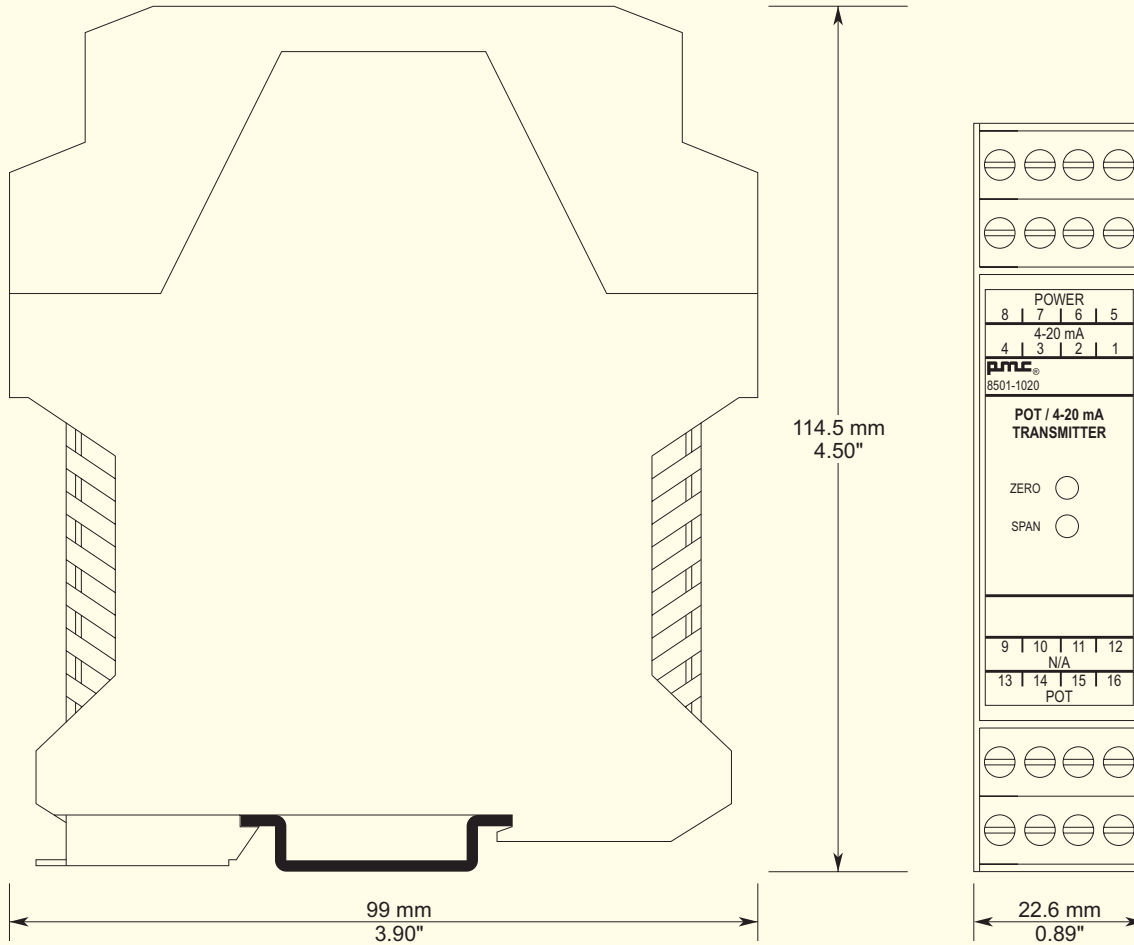
- Interface between control head potentiometer and PLC

ISOLATED 4-WIRE 4 to 20 mA TRANSMITTER

POTENTIOMETER SOURCE



DIMENSIONS FOR 8501-1020 ISOLATED 4-WIRE 4 to 20 mA TRANSMITTER



SCALE 1:1

SPECIFICATIONS:

Supply:

- Nominal 12 V_{DC} or 24 V_{DC}, range 8 to 34 V_{DC}
- Reverse voltage protection
- Nominal 82 mA, peak 308 mA

Environmental:

- Operating temperature -25 to +70°C
- Storage temperature -40 to +85°C
- Vibration: Frequency range 2 to 100 Hz
Peak to peak amplitude 2 mm below 13.2 Hz
Acceleration amplitude 0.7 g above 13.2 Hz
- CE compliant for EMC (IEC/EN60945)

Physical:

- IP30 Enclosure
- DIN rail mounting
- Dimensions:
99 mm L × 22.6 mm W × 114.5 mm H
(3.9" L × 0.89" W × 4.5" H)
- Weight, typical 127 g (0.3 lbs)
- Removable terminal blocks for 14 to 20 AWG wires

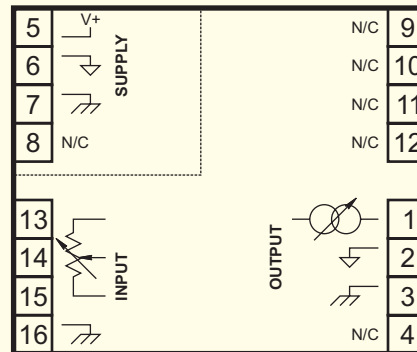
Input:

- Potentiometer 1 k / 5 k
- Reference voltage ±2.65 V_{DC} / ±10 V_{DC}

Output:

- Isolated 4 to 20 mA
- Output load <500 (20 mA max)
- Zero and span adjustments

ELECTRICAL DIAGRAM



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