

Field-mounted Two-wire Signal Conditioners 6-UNIT

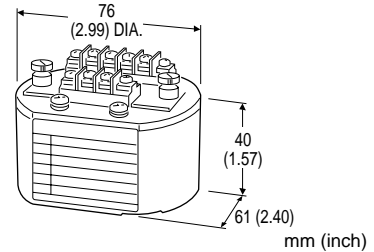
PT TRANSMITTER

MODEL 6PT

MODEL & SUFFIX CODE SELECTION

MODEL _____ 6PT-□
 INPUT _____
 1 : 0 – 110V AC
 5 : 0 – 150V AC
 OUTPUT _____
 4 – 20mA DC
 SUPPLY VOLTAGE _____
 13 – 28V DC

ISOLATION



Functions & Features

- Converting an alternating voltage from a potential (voltage) transformer into an isolated 4 – 20mA DC signal
- Minimal ripple
- True RMS sensing
- Rugged enclosure

Typical Applications

- Centralized monitoring and control of power line and power supply voltages measured at switch boards
- Monitoring abnormal voltage drops for detecting overload

ORDERING INFORMATION

Specify code number. (e.g. 6PT-1)

GENERAL SPECIFICATIONS

Connection: M3 screw terminals
 (nickel-plated steel; torque ≤0.6 N·m)
Housing material: die cast aluminium
Isolation: input to output
Input waveform: up to 15% of 3rd harmonic content
Adjustments: zero and span; ±5%
 (behind the access cover)

INPUT & OUTPUT

■INPUT: 0 – 110V AC or 0 – 150V AC
Frequency: 50 or 60 Hz
Input burden: 0.5VA maximum
Overload capacity: 200% of rating for 1 min., 120% continuous
Operational range: 0 – 120% of rating
 ■OUTPUT: 4 – 20mA DC
Load resistance vs. supply voltage:

$$\text{Load Resistance } (\Omega) = \frac{\text{Supply Voltage (V)} - 13 \text{ (V)}}{0.02 \text{ (A)}}$$

(including leadwire resistance)

