

POSITION TRANSMITTER 2 WIRE- RESISTIVE

MODEL: RMG-2WRPT-2012



DESCRIPTION

RMG-2WRPT-2012 is a 2wire Electronic Position Transmitter based on resistive sensor (ranging from 2 K Ω potentiometer to 16K Ω potentiometer) inputs capable of transmitting precisely the changes in position. The sensor is a potentiometer and is used for transmitting signals proportional to the rotary / linear movements, resulting in resistance changes. Position Transmitter RMG-2WRPT-2012 produces a linear current signal proportional to the position of the actuator/valve in a position feedback monitoring application.

SALIENT FEATURES

- Very high Position Accuracy
- Encapsulated – To protect from moisture,vibration and tampering of the circuitry
- Operates over a wide temperature range
- Rugged engineering design and packaging
- Reverse polarity protected
- Operates over a wide supply voltage range
- Wide range of resistance values as transducer
- Long term reliability
- Fool-proof design
- User friendly controls
- Robust construction
- Competitive pricing.

APPLICATION

Used in power generation & various process control applications



SPECIFICATION

SI No	Characteristics	Specified Value
1	Transducer Configuration	Two Wire
2	Supply Voltage (Typical)	24 V DC
3	Input Supply Voltage Range	6V DC to 60 V DC
4	Influence of Input Supply Voltage	≤0.5% of span
5	Input Transducer (Resistive)	2K to 16K Potentiometer
6	Output Current	4.00 to 20.00mA
7	Load Impedance Max	900 Ω at 24 V DC
8	Adjustability of Span	+0.5%, -25% of span
9	Adjustability of Zero	+50%, -5% of span
10	Linearity Error	≤0.2% of span
11	Hysteresis Error	≤0.05% of span
12	Operating Temperature Range	-20 °C to +80 °C
13	Effect of Temperature	≤0.3%/10° C
14	Built in Protection	Housed in a Glass- filled - nylon G6 enclosure
		Epoxy moulded for protection from moisture, vibration and tampering of circuitry
		Reverse Polarity Protected
15	Size	72L x 52W x 21 H mm
16	Weight	150 gm approx
17	Enclosure	Glass Filled Nylon G6

In addition, we design and manufacture POSITION TRANSMITTER as per customer requirements/specifications.

Note 1 : Due to continuous product improvement initiatives, specification is subject to change.

Note 2: Images provided are for indicative purpose only.