

Loop Powered Potentiometer Transmitter User Manual

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1. Introduction

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2. Functional Diagram

The.

3. Input Options

4. Setting Up Input Solder Links

5. Signal Source with Digital Input Control/Discrete Digital Inputs

6. DIP SW1 Run/Operational Settings

7. Output Range Selection

8. Dimensions

[Details to follow]

[needs photos of sides top and bottom with dimensions]

9. Applications

[Details to follow]

10. Specifications

- ✚ Din Rail Mounting.
- ✚ 12 way plug-in screw terminal connection.
- ✚ Inputs either switch to +Vsupply, to 0V supply or Digital Input with common 0V (specify on order, default is switching to 0V).
- ✚ Input resistance > 4 k Ω .
- ✚ LED indication of each digital input.
- ✚ BCD, binary or discrete, any number of active inputs up to eight.
- ✚ Isolated output – 4-20 mA, 0-20 mA, 0-10 V, ± 10 V.
- ✚ Output load >2 k Ω for the voltage output and 500 Ω maximum for the current output.
- ✚ Output accuracy better than 0.05 mA.

Terminal	Function
1	Din 1
2	Din 2
3	Din 3
4	Din 4
5	Din 5
6	Din 6
7	Din 7
8	Din 8
9	Out -
10	Out+
11	Power In -
12	Power In +

- ✚ Supply 24 VDC +10 %, -5 % at approximately 100 mA or less.
- ✚ Microprocessor controlled.
- ✚ Bipolar output configuration possible.
- ✚ Customized output range on request.
- ✚ Step response approximately 200 mS or less.
- ✚ Isolation between input, output and auxiliary power supply 1,000 VDC.
- ✚ Relay 2 A @ 30 VDC; 1 A @ 125 VAC (resistive load).
- ✚ RS485 isolated to >500 VDC, baud rates up to 119,200, with up 32 devices.
- ✚ Operating temperature -10°C to 70°C.
- ✚ 24 hour operational burn-in.
- ✚ Calibration sheet provided for each unit manufactured.
- ✚ High quality, self-extinguishing polyamide enclosure.
- ✚ DIN rail mounting with dimensions 25 x 80 x 85 mm (W x H x D).

11. Part Numbering

[Details to follow]

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