

General Specifications

R.T.D. TRANSMITTER



This is a high accurate converter which receives 3 lines RTD as input signal, converts variation of resistance following temperature to DC voltage and current output signal.

It is designed to 2 lines and has compact shape that can use by installing directly on the temperature sensor head.

SPECIFICATIONS

ITEMS	DESCRIPTIONS
INPUT	3 Wire RTD's
SUPPLY CURRENT TO Pt BULB	DC 1mA
OUTPUT	4~20mA DC
LOAD RESISTANCE	0~1200 Ω (at 36V DC Supply)
	LR=50(E-12)
	Where LR = Load Resistance (Ω)
	E = Supply Voltage (V)
ACCURACY	$\pm$ 0.2% of span
RESPONSE TIME	Less than 0.5Sec (0-90%)
TEMP. COEFFICIENT	$\pm$ 0.02% / $^{\circ}\text{C}$
LINEARITY	$\pm$ 0.02% of Span
BURN OUT	UP Scale
POWER SUPPLY	12~36V DC
OPERATING TEMP.	-20~+70 $^{\circ}\text{C}$
OPERATING HUM.	Less than 90% RH (no condensation)
ADJUSTMENT	ZERO and SPAN $\pm$ 5%
ANTI-HUM. TREATMENT	EPOXY molding
CASE MATERIAL	ABS (Ivory)
WEIGHT	About 40g
DIMENSION	49DIA ϕ 20(mm)
WIRING	Screw Terminal
MOUNTING	Head Mounting

ORDERING CODE

MODEL : D H R B -

INPUT SIGNAL

- 1 JPt 100 Ω (JIS) 3-wire
- 2 Pt 100 Ω (DIN) 3-wire
- 3 Others

OUTPUT SIGNAL

4 ~ 20mA

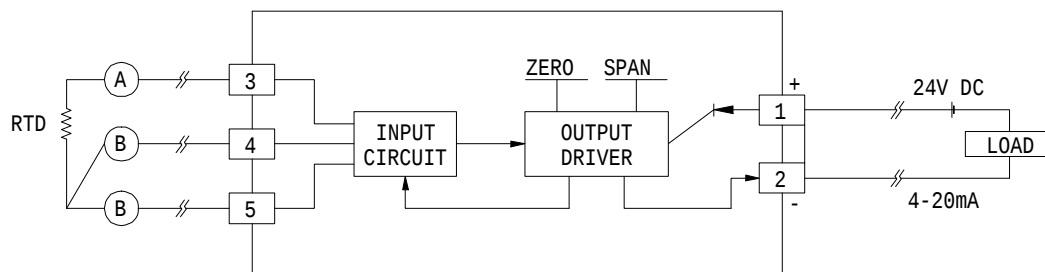
STANDARD INPUT RANGE

RTD	MIN. SPAN		USABLE RANGE	
	$^{\circ}\text{C}$	$^{\circ}\text{F}$	$^{\circ}\text{C}$	$^{\circ}\text{F}$
JPt 100 Ω (JIS)	50	90	-200 to 500	-328 to 932
Pt 1000 Ω (DIN)	50	90	-200 to 600	-328 to 1112

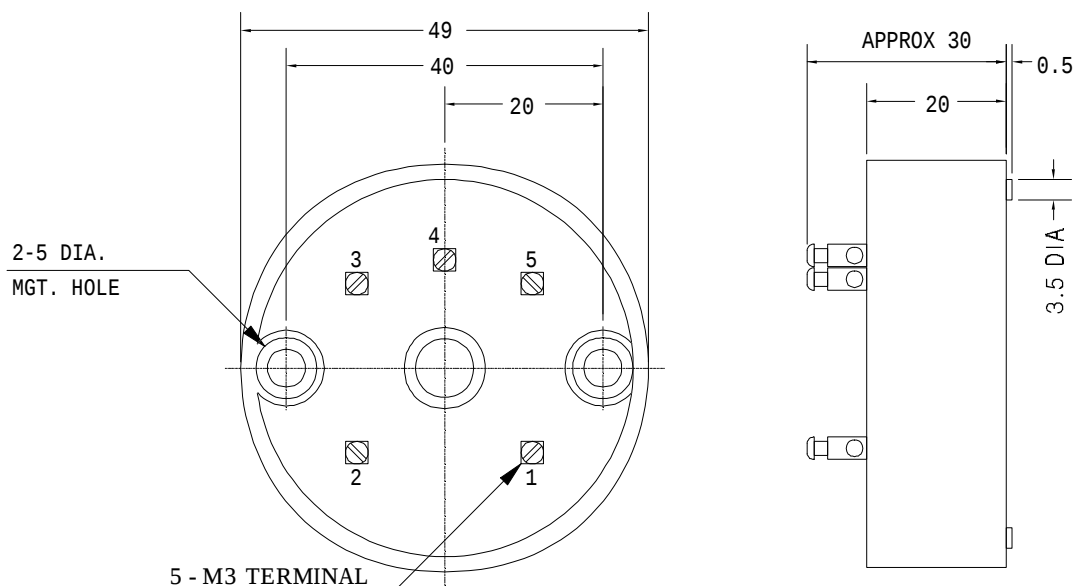
General Specifications

R.T.D. TRANSMITTER

◆ BLOCK DIAGRAM



◆ DIMENSIONS



◆ INSTALLATION INSTRUCTIONS

