

General Specifications

2 ISOLATED OUTPUTS R.T.D. CONVERTER



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

Also developed feed back circuit by our company is actualized high accurate linearization and compensation of line resistance. Especially, it is advantageous to construct loop as that the input & output is separated completely and is isolated between 2 outputs.

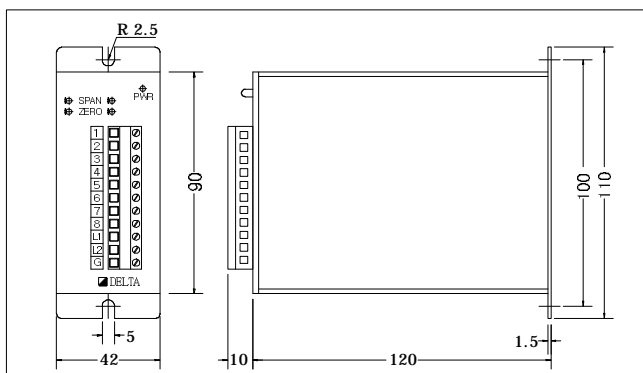
SPECIFICATIONS

ITEMS	DESCRIPTIONS	
INPUT	JPt 100Ω 3wire (Over 50deg) Adjustment needed for 2 wire bulb Permissible resistance of cable less than 200Ω	
SUPPLY CURRENT TO Pt BULB	DC 2mA	
OUTPUT	DC Current or DC Voltage Signal	
ACCURACY	¼ 0.2% Max.	
TEMP. COEFFICIENT	¼ 0.02% / °F	
LINEARITY	¼ 0.02% F.S	
REPEATABILITY	¼ 0.05% F.S	
RESPONSE TIME	Less than 0.5sec (0-90%)	
INSULATION RESISTANCE	Greater than 100MΩ at DC 500V	
DIRECTRIC-STRENGTH	Input-Power AC1,500V	1 minute
	Input-1st Out-2nd Out AC1,500V	
	Input-Ground AC1,500V	
BURN-OUT	Upper Limit	
POWER SUPPLY	AC110V AC220V ¼ 10% 50-60Hz 4VA	
AMBIENT-TEMP	-5~+55°C (20~130°F)	
HUMIDITY	Less than 90% RH (no condensation)	
LINEARIZER	Standard function	
CASE MATERIAL	AL	
COLOR	BLACK	
WEIGHT	About 500g	
DIMENSION	W42 x H90 x D120mm	
MOUNTING	WALL	
OUTPUT		
LOAD RESISTANCE	Refer to Attached Technical Sheet.	

† STANDARD INPUT RANGE (UNIT: °F)

INPUT	RANGE
JPt 100Ω	0~50, 0~100, 0~150, 0~200, 0~250, 0~300, 0~400, 0~500, -20~+80, -50~+50, -50~+150, 50~100, 50~150, 100~200, 100~300, 200~400

DIMENSION



ORDERING CODE

MODEL : D T R B - [] [] [] [] - []

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

1ST OUTPUT SIGNAL
 7 DC 4~20mA
 F DC 1~5V
 G Others

2ND OUTPUT SIGNAL
 7 DC 4~20mA
 F DC 1~5V
 G Others

POWER SUPPLY
 1 AC110V 2 AC220V

BURN OUT
 U: Up scale

* Please Specify the input range When you Order.

WIRING DIAGRAM

