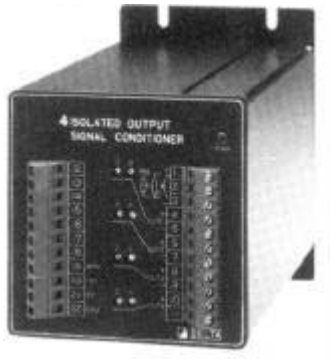
General Specifications

4 ISOLATED OUTPUTS RTD 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 voltage 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 4 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	±0.2% Max.		
TEMP. COEFFICIENT	±0.02% / ℃		
LINEARITY	±0.02% F.S		
REPEATABILITY	±0.05% F.S		
RESPONSE TIME	Less than 0.5sec (0-500%)		
INSULATION RESISTANCE	Greater than 100MΩ at DC 500V		
DIRECTRIC-STRENGTH	Input-Power	AC1,500V	1 minute
	Each Outputs	AC1,500V	
	Input-Ground	AC1,500V	
BURN-OUT	Upper Limit		
POWER SUPPLY	AC110V AC220V ±10% 50-60Hz 10VA		
AMBIENT-TEMP	-5~+55℃ (20~130℉)		
HUMIDITY	Less than 90% RH (no condensation)		
LINEARLIZER	Standard function		
CASE MATERIAL	AL		
COLOR	BLACK		
WEIGHT	About 1.3Kg		
DIMENSION	W90 x H90 x D180mm		
MOUNTING	WALL		
OUTPUT LOAD RESISTANCE	Refer to Attached Technical Sheet.		

STANDARD INPUT RANGE

(UNIT : ℃)

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

ORDERING CODE

MODEL : D M R B - □ □ □ □ □

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

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

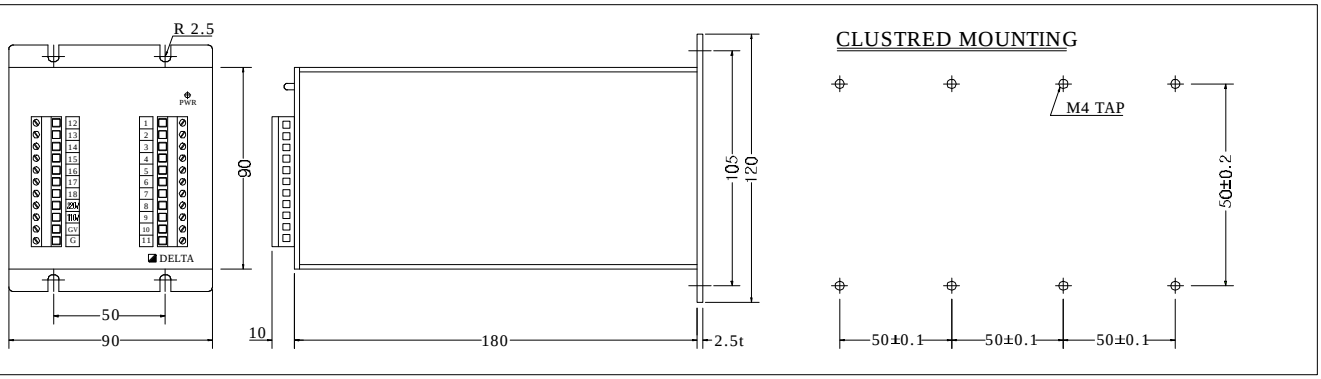
OUTPUT 2
- 7 DC 4~20mA
- F DC 1~5V
- G Others

OUTPUT 3
- 7 DC 4~20mA
- F DC 1~5V
- G Others

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

* Please Specify the input range When you Order.

DIMENSION



SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM