

Transmitter PT100-2ch. Output



Inputs

Type : PT100 3 wire, 2 wire
Range : 0-50 °C, 0-100 °C, 0-200 °C, 0-400 °C, 0-800 °C,
-50...0...50 °C, -100...0...100 °C others by request.

Sensing current : <2mA (<0.2V)

Typical overload : 2 x rated continuous
: 4 x rated for 10 seconds

Output

Capacity : 2 channel
Type : Analog
Voltage DC : 1-5V, 0-10V others by request.
Current DC : 0-1mA, 4-20mA others by request.
Response time : <250msec. (0-90%)
Drive Capability : <10mA for voltage
: <10 V for current

Accuracy : $\pm 0.25\%FS \pm 1\text{Digits}$.
Zero range : $\pm 5.0\%FS$
Span range : $\pm 10\%FS$

Power supply : AC/DC 90-260V
: AC/DC 18 - 60V
: AC 110V or 220V 50/60Hz.
Consumption: : 3VA
Isolation : Input/Output/Power/Case

Environmental conditions

Operating temperature : -10 °C to +60 °C
Storage temperature : -30 °C to +75 °C
Relative humidity : 95% max. non-condensation
Enclosure : IEC 529 (IP52)
Temp. Coefficient : 100 ppm/°C (0-50 °C)

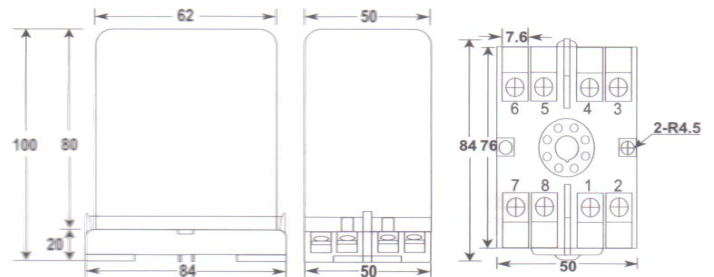
Insulation Test Voltage

Input _Output / Housing : AC 4 kV ANSI c37.90a, DIN-IEC255-4
Output _Housing : 500 V

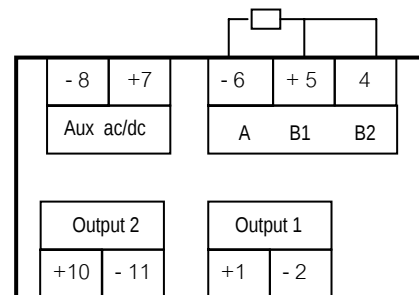
Mechanical characteristics

Material plastic : NORYL UL94 V-0 self extinguishing
Protection degree EN60529 : IP54 (front panel); IP20 (terminals)
Terminals : Screw type 2.5mm.
Front dimension : 84 x 100 x 50 mm.
Mounting : Din Rail
Weight : 450 g.

Dimensional Drawing.



Wiring Connection



ORDERING INFORMATION DTP+X1+X2+X3+X4

Example Ordering

Input 0-100% Output 2x4-20ma Aux ac/dc 90-260V

Ordering code DTP + 7 + I + I + B

X1	Temperature Range	X1	Temperature Range	X2	Output Ch1	X3	Output Ch2	X4	Aux. Supply
1	0-50 °C	6	-50...-0...50 °C	C	1-5V	C	1-5V	A	AC/DC18-60V
2	0-100 °C	7	-100...-0...100 °C	D	0-10V	D	0-10V	B	AC/DC90-260V
3	0-200 °C	9	By request	F	0-1mA	F	0-1mA	Less than 4VA	
4	0-400 °C	DIN standard TCR = 385 ppm / °C		I	4-20mA	I	4-20mA		
5	0-800 °C			R	By request	R	By request		