DIN12 PT100 Temperature Signal Isolated Splitter

Features:

>> One input: Pt100 (-200 ~ +600 ℃) (scope optional)

   Also can choose Pt1000/Cu50/Pt10/Cu100

>> Two output signal: 4-20mA / 0-5V/0-10V standard signal

>> Accuracy: 0.2 (FSR%)

>> Containing linear and long-term compensation

>> Power supply: 5V/12V/15V/24VDC

>> Isolation voltage: 2500VDC (1mA, 60S)

>> Four isolation: input/output 1/output 2/power supply

>> Installation: DIN35 rail

>> Industrial temperature range: - 40 ~ + 85 deg.C

>> Size:106.7x79.0x25.0mm

Product description:

The product is isolated Pt100/PT1000/PT10/Cu50/Cu100 temperature sensor transmitter, in industry mainly used for measuring the temperature of -200 ~ +600deg.C. The transmitter has linear and long-term compensation, the factory in accordance with national standard Pt100 indexing table calibration, fully meets 0.2accuracy. Input, output 1, output 2 and auxiliary power supply is completely isolated (four isolation), can withstand 2500VDC isolation voltage. Products using international standards for rail mounting DIN35, small size, high precision, stable performance, cost-effective, can be widely used in petroleum, chemical, power, instrumentation and industrial control industries.

Product Listing:

DIN12 - Z□ - T□ - P□ - A/V□

Input Signal: Z		Range: T		Power Supply: P		Output Signal: A or V			
	Code	T	Code	P	Code	Current: A	Code	Voltage: V	Code
PT100	Z1	-20-100℃	T1	24VDC	P1	0-20ma	A3	0-5V	V1
PT10	Z2	0-100℃	T2	12VDC	P2	4-20ma	A4	0-10V	V2
Cu100	Z3	0-150℃	T3	5VDC	P3	User-defined	Au	1-5V	V6
Cu50	Z4	0-200℃	T4	15VDC	P4			User-defined	Vu
Pt1000	Z5	0-400℃	T5						
		User-defined	Tu						

Samples:

signal Input: Pt100,temperature range:0~100℃; signal output 1:4-20mA; signal output 2:4-20mA , power:24VDC

Part No.: **DIN12-Z1-T2-P1-A4**

signal Input: Pt1000,temperature range:0~200℃; signal output:0-10V; signal output:0-10V , power:12VDC

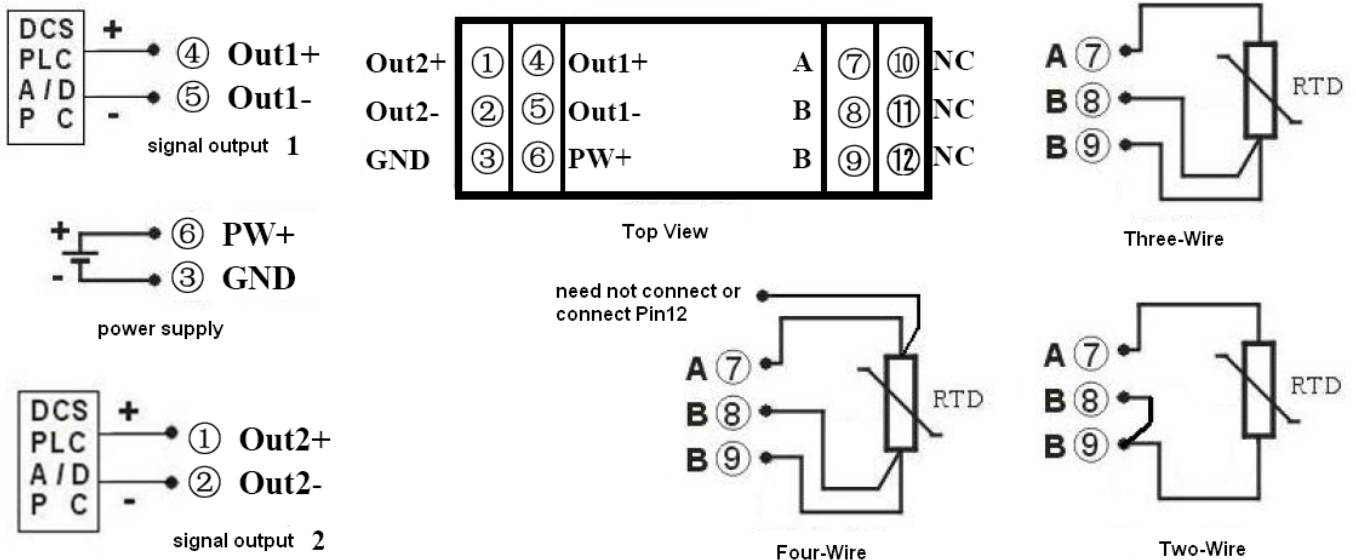Part No.: **DIN12-Z5-T4-P2-V2**

General parameters:

>> Accuracy ------- 0.2% (relative to temperature)

>> Input ------- three-wire, four-wire or two-wire RTD signal, you can choose Pt100, Pt1000, Pt10, Cu50, Cu100 thermal resistance.(Need to select a temperature range and a output signal)

>> Output ------- standard voltage or current signal. Can also be user-defined

>> Response time ------- ≤ 100mS

>> Auxiliary power ------- DC5V, 9V, 12V, 15V, 24V

>> Power ------- <2W

>> Temperature drift ------- 50ppm / ℃ (typical)

>> Load capacity ------- voltage output: ≥ 2 kΩ

>> Current output: ≤ 450Ω

>> Isolation ------- signal input / output 1 / output 2/ auxiliary power isolation

>> Isolation voltage ------- 2500VDC, 1 minute, leakage current (1mA)

>> Impact resistance voltage ------- 3KV, 1.2/50us (peak value)

>> Operating Temperature -------- -40 to +85 ° C

>> Storage Temperature -------- -45 ~ +80 ℃

>> Operating Humidity ------- 10 ~ 90% (no condensation)

>> Storage Humidity ------- 10 ~ 95% (no condensation)

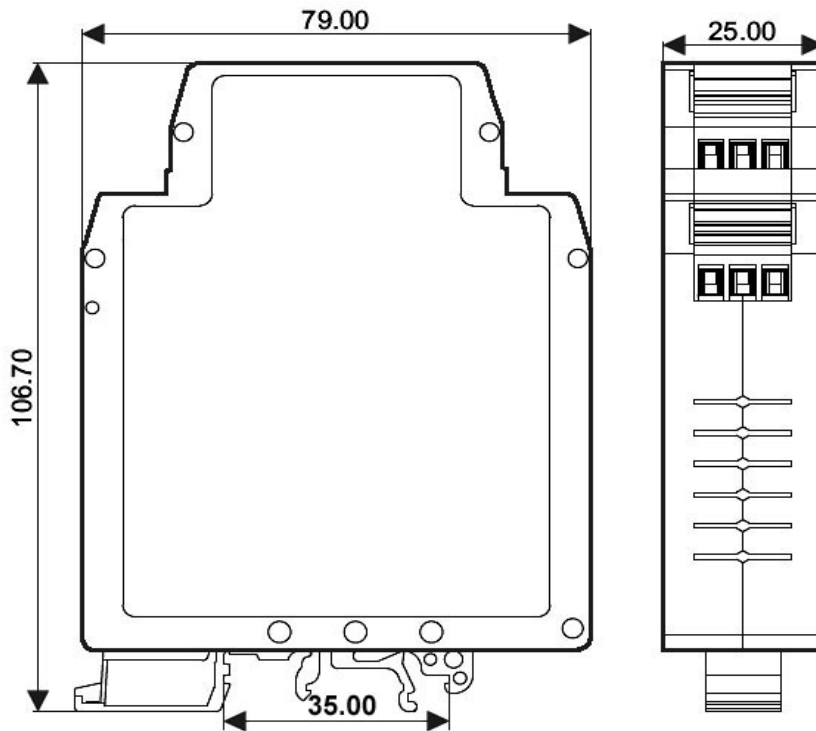**Products Connecting Diagram:**

Pin	Function		Pin	Function	
1	Out 2+	Output Signal 2+	7	A	RTD signal Input A
2	Out 2-	Output Signal 2-	8	B	RTD signal Input B
3	GND	Power Supply -	9	B	RTD signal Input B
4	Out 1+	Output Signal 1+	10	NC	No Pin
5	Out 1-	Output Signal 1-	11	NC	No Pin
6	Vcc	Power Supply +	12	NC	No Pin

Wiring Digram:

Size (unit:mm)

Warranty

Two years (but violate operating rules and requirements to create damage, clients need pay maintenance costs)

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