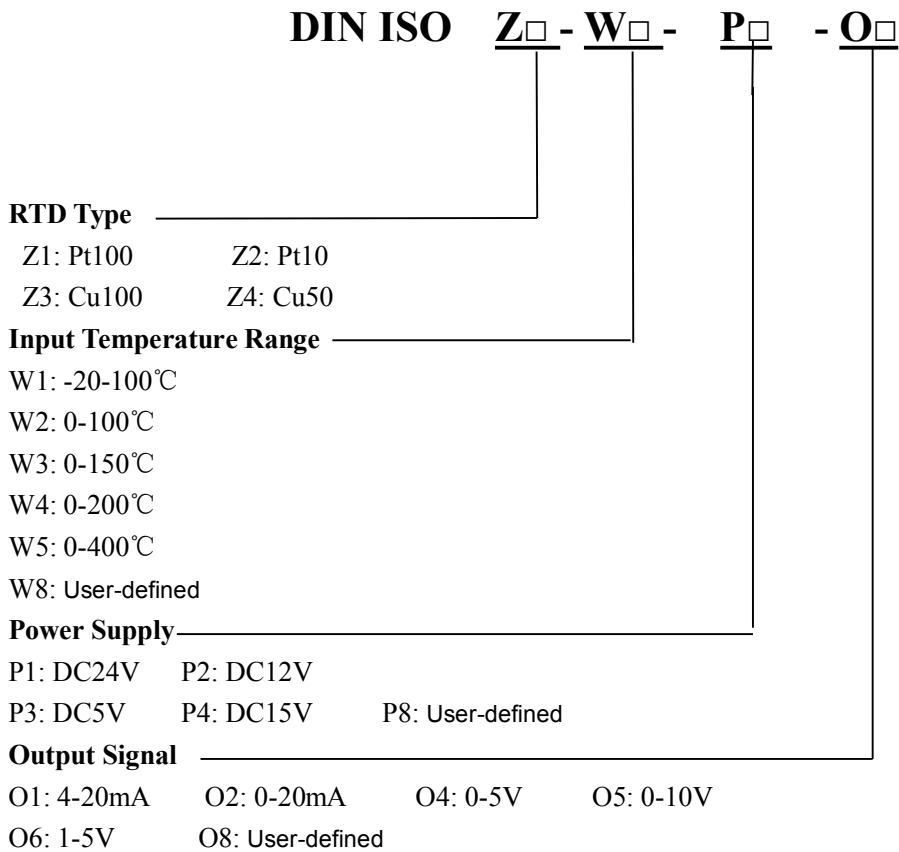


DIN Rail-mounted Thermal Resistance Isolated Transmitter

Features:

- Three-wire, four-wire or two-wire PT100/PT1000 thermal resistance signal input
- Accuracy, Linearization error grade: 0.2
- Linearization disposal and long line compensate circuit
- Isolation Voltage: 3000VDC input/power/output
- Power: 5V/12V/15V/24VDC or 110VAC/220VAC
- International standard signal output: 4-20mA/0-5V/0-10V etc.
- Small size, low cost
- Standard DIN Rail-mounted :DIN 1x1
- Industrial temperature range: - 45 ~ + 85 °C

Model Selection and Description:



Examples:

1. signal Input: Pt100, temperature range: 0~100°C; signal output: 4-20mA; power: 24V

Part No.: **DIN1x1 ISO Z1-W1-P1-O1**

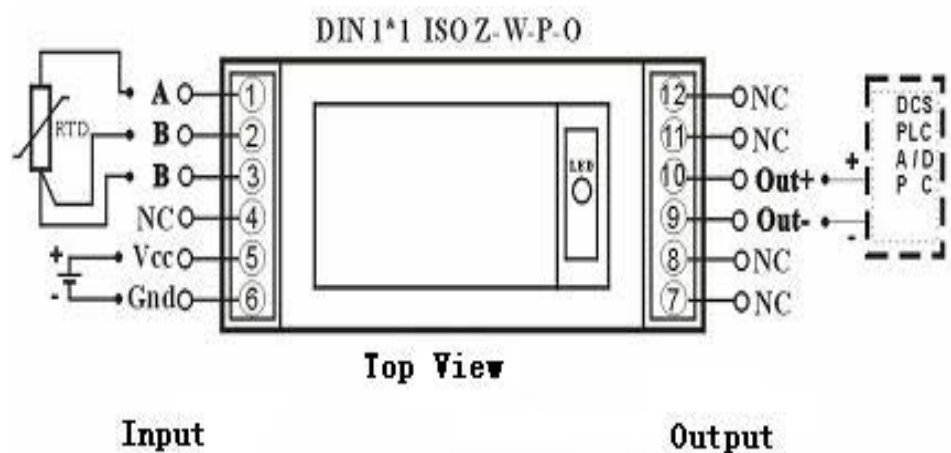
Technic parameter:

- | | |
|--|--|
| 1. Accuracy, Linearization error grade: 0.2 | 2. Frequency response: ≤ 10ms |
| 3. Power: DC5V, 12V, 24V, ± 10%
or AC110V, 220V | 4. Power loss: Single output: < 0.75W
Dual Output: < 1.5W |
| 5. Three-wire, four-wire or two-wire PT100 thermal resistance signal input | |
| 6. Load capability: voltage output: ≥ 2 k ohm
Current output: ≤ 650 ohm | 7. Temperature drift: 50ppm/°C |

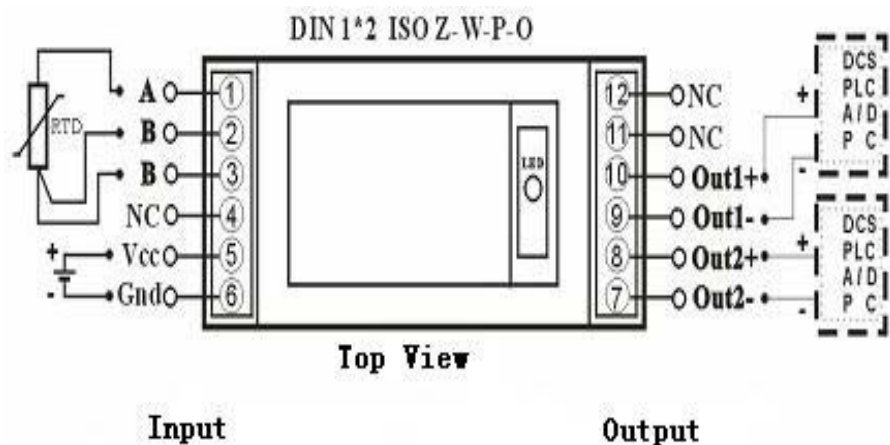
- 8. Isolation Voltage: 3000VDC input/power/output 1/output 2
- 9. Operating temperature: -25 ~ +70°C
- 10. Insulated resistance : $\geq 20M\Omega$
- 11. Storage Temperature: -45 ~ +80°C
- 12. Operation humidity: 10 ~ 90%
- 13. Storage humidity: 10 ~ 95%
- 14. Endure voltage: signal input/output 1/output 2/power
2500VDC, 1 minute, leak current: 1mA
- 15. Endure impact voltage: 3KV, 1.2/50us (peak value)

Dimensions and Pin Description: (Figure 1)
1. DIN 1X1 (single input, single output)

PIN	Function	
1	A	Input A
2	B	Input B
3	B	Input B
4	NC	
5	Vcc	Power+
6	GND	Power-
7	NC	
8	NC	
9	Out -	
10	Out+	
11	NC	
12	NC	


2. DIN 1X2 (single input, dual output)

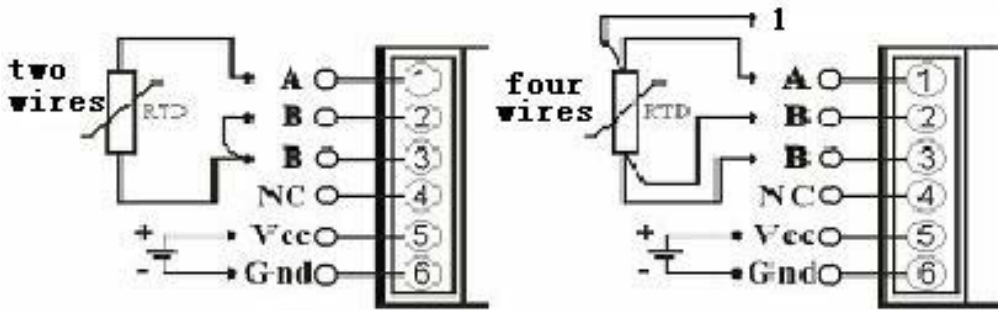
PIN	Function	
1	A	Input A
2	B	Input B
3	B	Input B
4	NC	
5	Vcc	Power+
6	GND	Power-
7	Out2-	
8	Out2+	
9	Out1 -	
10	Out1+	
11	NC	
12	NC	



Note: 1. when two-wire or four wires input, refer to Figure 1.

2. Break test

a. output Max: the line that connecting PIN1, 3 is broken.



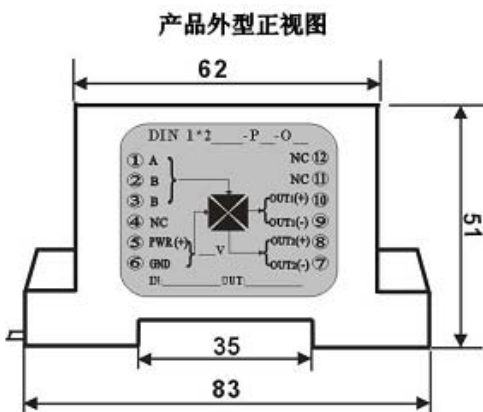
Note: Point "1" need not be connected or connect to PIN 4.

Figure 1

Dimension (Unit: mm) :

Front View

Bottom View



ISO9001:2008

