C Series
Double Channel
Temperature Transmitter

Nanjing New Power Electric Co., Ltd.

Input	Range	Accuracy
K/E/J/N/T	< 300 ℃	± 0.3 ℃
	≥ 300 ℃	± 0.1% F.S.
S/B/R/WRe-series	< 500 ℃	± 0.5 ℃
	≥ 500 ℃	± 0.1 % F.S.
Pt100/Cu100 Cu50/BA1/BA2	< 100 ℃	± 0.1 ℃
	≥ 100 ℃	± 0.1 % F.S.

Dielectric strength (1 mA leakage current, 1 minute test time):

≥ 1500 V AC (Input /Output/Power supply)

Insulation resistance: ≥ 100 MΩ (Input /Output/Power supply)

Ambient conditions:

Operation temperature: −20 ℃ ~ +60 ℃

Relative humidity: 10% RH ~ 90% RH (40 ℃)

Atmosphere pressure: 80 kPa ~ 106 kPa

Storage temperature: −40 ℃ ~ +80 ℃

Power dissipation:

1.2 W (24 V DC, double output)

➔ Model rules

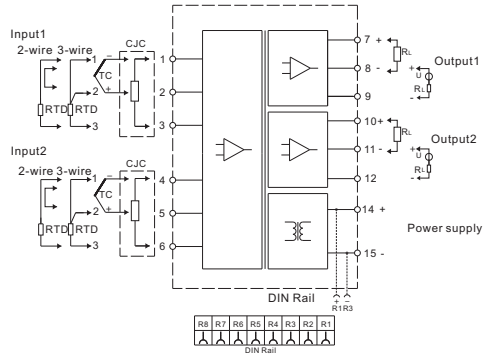
NPWD-CD [X] [X] D [X] [X]

- [X]: .TC: thermocouple input; .RTD: thermal resistance input; Default: thermocouple or thermal resistance input
- [X]: PB: BUS powered; Default: Terminals powered
- [X]: The second output signal [note]
- [X]: The first output signal [note]

NOTE : Output signal

Number	Output signal
1	4 mA ~ 20 mA
2	1 V ~ 5 V
3	0 mA ~ 10 mA
4	0 V ~ 5 V
5	0 V ~ 10 V
6	0 mA ~ 20 mA
X	User customized signal type

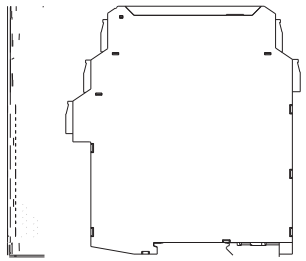
➔ Wiring diagram



- Follow mode: Whatever input fault status (except breakage), the output follows the input within measuring range. And the maximum value would not exceed the 110% of the upper limit of the measuring range (e.g. When the output signal type is 0 ~ 20 mA, the minimum output value may be 0 mA, the maximum output value would not exceed 22 mA).
- When the thermocouple input, compensation conductor should be directly connected to the input terminals, do not connect other material lead, otherwise will cause measurement error.
- DIN rail power supply function is selectable at ordering.

➔ Dimension

Width × Height × Depth: 17.8 mm × 110 mm × 117 mm



➔ BUS Specification

➔ Installation

- The apparatus can be installed on the DIN 35 mm standard rail which is corresponding to DIN IEC 60715. The must be snapped onto the rail, and never slanted or tipped to the side.
- Installation and disassembly steps are shown in following figures:

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A. Snap the BUS socket on the DIN 35 rail, as figure A;

B. Snap metal lock onto mounting rail, then rotate the device, as figure B, press down the device onto mounting rail, make sure that the BUS