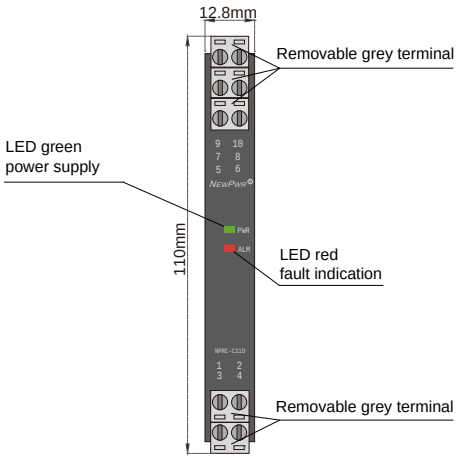
NPRC-C1D
Single input, single output

NPRC-C11D
Single input, dual output

Input: Resistance
Output: 4 ~ 20 mA

This resistance transmitter converts the resistance signals to current signals. It needs an independent power supply. The input, output, and power supply are galvanically isolated from each other. Modify parameters by using PC or a handheld programmer.

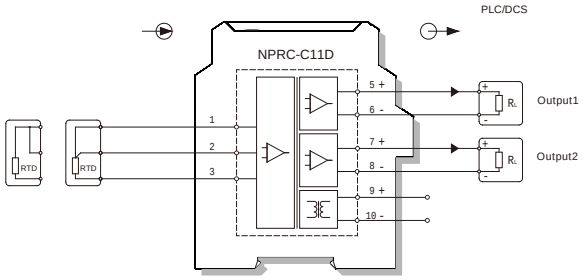


RTD

Parameters

Power supply:	18 V DC ~ 60 V DC (Reverse power protection)
Power dissipation:	0.8 W (single output)
	1.2 W (double output)
Input signal:	18 Ω ~ 400 Ω
Output signal:	4 ~ 20 mA（sink/source）
Load resistance:	R_L ≤ 550 Ω
Temperature drift:	30 ppm/°C
Response time:	≤ 500 ms
Electromagnetic compatibility:	IEC 61326-3-1
Dielectric strength:	≥ 1500 V AC (Input/Output/Power supply)
Insulation resistance:	≥ 100 MΩ (Input/Output/Power supply)
Operation temperature:	-20 °C ~ +60 °C
Storage temperature:	-40 °C ~ +80 °C
Dimension:	12.8 mm (W) × 110 mm (H) × 117 mm (D)
Output states:	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)

Wiring diagram



Model rules

NPRC-C D

PB：BUS powered
Default: Terminals powered

The second output signal[note1]
Default: null

The first output signal[note1]

note1：output signal

Number	Output signal
1	4 ~ 20 mA
2	1 ~ 5 V
3	0 ~ 10 mA
4	0 ~ 5 V
5	0 ~ 10 V
6	0 ~ 20 mA