

NPEXA-C21

Single input, single output

NPEXA-C211

Single input, double outputs

Input: RTD

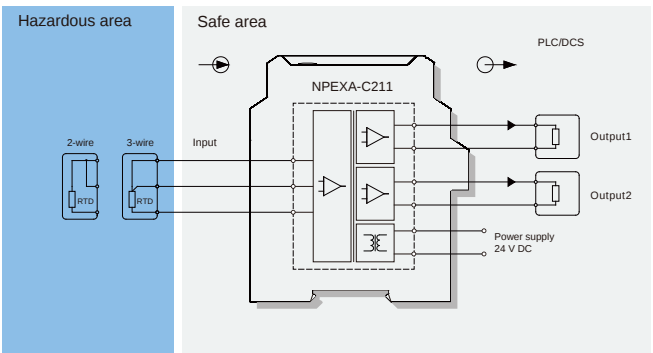
Output: 4 ~ 20 mA

Temperature input isolated barrier, it converts the thermal resistance signals from a hazardous area into 4~20mA signals to a safe area by isolation. It needs an independent power supply. The input, output, and power supply are galvanically isolated from each other. The self-test function is also available on this device. Calibrate the apparatus or modify parameters by using a handheld programmer.

Parameters

Power supply:	18V DC ~ 60V DC (Reverse power protection)
Power dissipation:	0.8W (single output) 1.2W (double outputs)
Input signal:	RTD
Line resistance:	0 20 _Ω per line (RTD)
Output signal:	4 ~ 20mA
Load resistance:	RL 0 550 _Ω
Temperature drift:	30ppm/°C
Response time:	0 500ms
Electromagnetic compatibility:	IEC 61326-3-1
Dielectric strength:	0 3000V AC (intrinsically safe side / non-intrinsically safe side) 0 1500V AC (Power supply /non-intrinsically safe side)
Insulation resistance:	0 100M _Ω (Input /Output/Power supply)
Operation temperature:	-20°C ~ +60°C
Storage temperature:	-40°C ~ +80°C
Dimension:	12.8mm (W) × 110mm (H) × 117mm (D)
Output states:	Default following mode, it can be configured as 4mA~20mA NE43 mode or fixed output mode.

Wiring diagram



Explosive-proof parameters

National Supervision and Inspection Center for Explosion Protection and Safety of Instrumentation (NEPSI)

Ex marking:

Um: 250V

Certified parameters (Terminals 1, 2, 3):

Uo=8.7V, Io=33mA, Po=72mW

: Co=5>F, Lo=28mH

: Co=49>F, Lo=84mH

Model rules

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PB: BUS powered
Default: Terminals powered

The second output signal^{note}
Default: null

The first output signal^{note}

note1: output signal

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