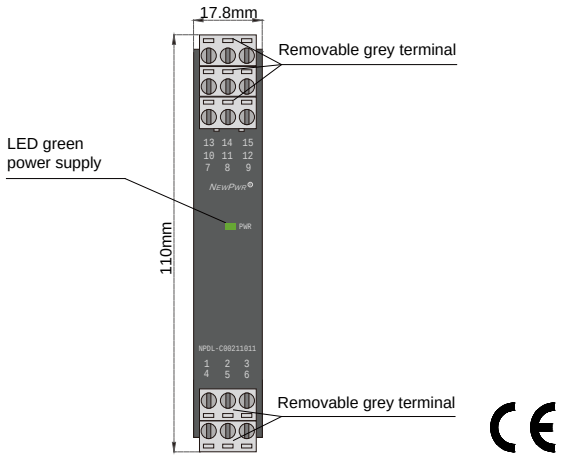
NPDL-C00211011

Single input, single output

Input: 0 ~ 1A AC
Output: 4 ~ 20 mA

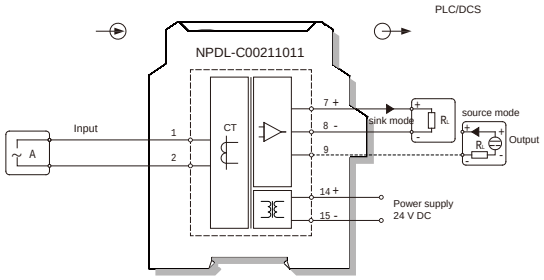
This AC current transmitter converts the 0 ~ 1 A AC signals to current signals. It needs an independent power supply. The input, output, and power supply are galvanically isolated from each other.



Parameters

Power supply:	18 V DC ~ 32 V DC (Reverse power protection)
Power dissipation:	< 1 W
Input signal:	0 ~ 1 A AC
Frequency range:	40 Hz ~ 400 Hz
Overload capacity:	double input nominal value
Output signal:	4 ~ 20mA (sink/source)
Load resistance:	source: R_L ≤ 550Ω sink: R_L < [(U-3)/0.024]Ω; U: Loop power supply
Accuracy:	0.2% F.S. (0 ~ 120%)
Temperature drift:	50ppm/°C
Response time:	≤ 330 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:	17.8 mm (W) × 110 mm (H) × 117 mm (D)

Wiring diagram



Model rules

NPDL-C002☒☒011

The output signal[note2]

The input signal[note1]

note1 : input signal

Number	Input signal
1	0 ~ 1 A AC
2	0 ~ 2.5 A AC
3	0 ~ 5 A AC
4	0 ~ 10 A AC
7	User customized signal type

note2 : output signal

Number	Input 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
7	User customized signal type