

AC current Transmitter

NPDL-C00211031

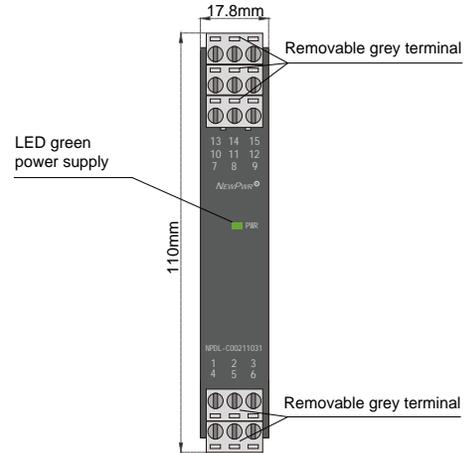
Single input, single output

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

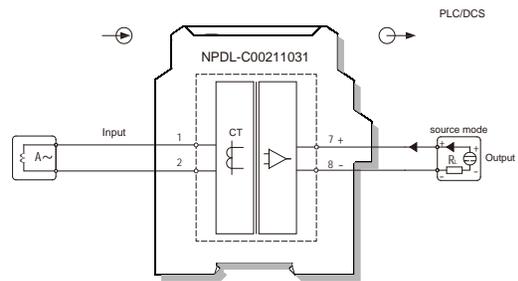
This AC current transmitter converts the 0 ~ 1 A AC signals to current signals. It can work without an independent power supply. The input, output are galvanically isolated from each other.

Parameters

Power supply:	12 V DC ~ 30 V DC (Reverse power protection)
Input signal:	0 ~ 1 A AC
Frequency range:	40 Hz ~ 400 Hz
Overload capacity:	double input nominal value
Output signal:	4 ~ 20 mA
Load resistance:	$R_L < [(U-12)/0.02]\Omega$; 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)
Insulation resistance:	≥ 100 MΩ (Input/Output)
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

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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

