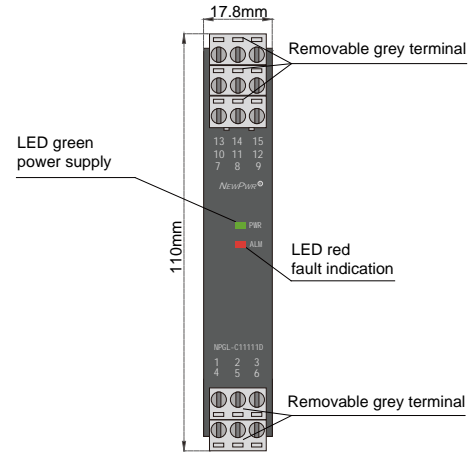## NPGL-C1111D
Single input, three outputst

NPGL-C11111D
Single input, four outputs

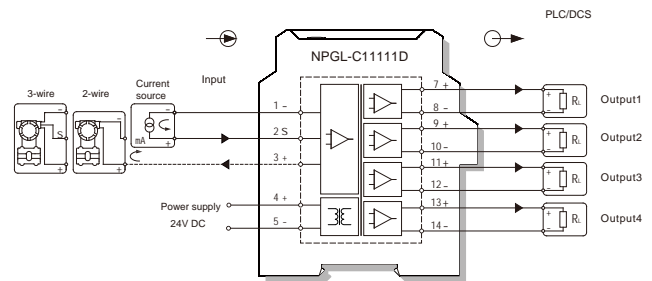Input: 4 ~ 20 mA
Output: 4 ~ 20 mA

This isolator converts the current signals into 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.

17.8mm
Removable grey terminal
LED green power supply
13 14 15
10 11 12
7 8 9
110mm
PWR
ALM
LED red fault indication
NPGL-C11111D
1 2 3
4 5 6
Removable grey terminal
C€

Parameters

Power supply:	18 V DC ~ 60 V DC (Reverse power protection)
Power dissipation:	1.5 W (single output)
	2.0 W (double output)
Input signal:	4 ~ 20 mA
Input resistance:	≤ 60 Ω
Available voltage:	open-circuit voltage ≤ 26 V
	voltage: ≥ 22 V at 20 mA
Output signal:	4 ~ 20 mA
Load resistance:	R_L ≤ 500 Ω
Accuracy:	0.1%F.S.
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 or short circuit, the output is 0 V/mA), 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

PLC/DCS
NPGL-C11111D
3-wire 2-wire Current source Input
1 –
2 S
3 +
4 +
5 –
Power supply 24V DC
7 +
8 –
9 +
10 –
11 +
12 –
13 +
14 –
Output1
Output2
Output3
Output4

Model rules

NPGL-C⊠⊠⊠⊠⊠D⊠

PB：BUS powered
Default: Terminals powered

The forth output signal[note1]
Default: null

The third output signal[note1]

The second output signal[note1]

The first output signal[note1]

The input signal[note1]

note1：input/output signal

Number	input/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

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