

NPGLB-CM11D

Single input, single output

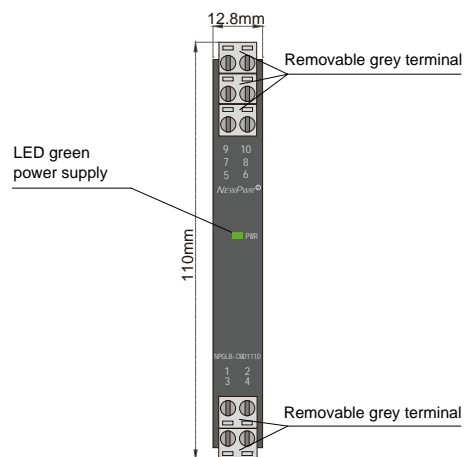
NPGLB-CMD111D

Dual input, dual output

Input: 4 ~ 20 mA

Output: 4 ~ 20 mA

This isolator accepts 4 ~ 20 mA signal to drive executive mechanisms. It allows transmission of HART communication 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 ~ 60 V DC (Reverse power protection)
Power dissipation:	1 W (24 V, single output full-load) 2.2 W (24 V, double output full-load)
Input signal:	4 ~ 20 mA, HART
Output signal:	4 ~ 20 mA, HART
Load resistance:	$R_L \leq 800 \Omega$
Input voltage drop:	$\leq 1.2 V$
Accuracy:	0.1%F.S.
Temperature drift:	30 ppm/°C
Response time:	$\leq 2 ms$
Electromagnetic compatibility:	IEC 61326-3-1
Dielectric strength:	$\geq 1500 V AC$ (Input/Output/Power supply)
Insulation resistance:	$\geq 100 M\Omega$ (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)

Wiring diagram

