

Millivolt Repeater

NPMR-CM1D

Single input, single output

NPMR-CM2D

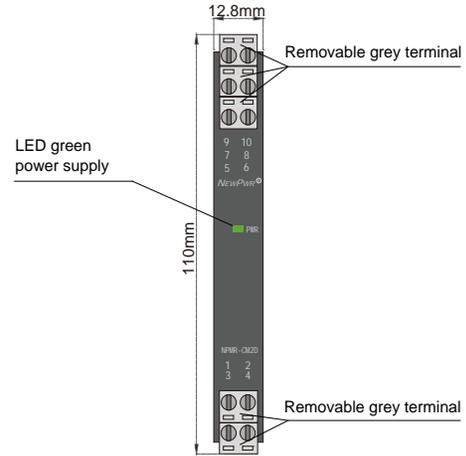
Single input, dual output

Input: Millivolt

Output: 1:1 mV



This millivolt repeater converts the millivolt signals to 1:1 millivolt signals. It can work without an independent power supply. The input, output are galvanically isolated from each other. It has the function of setting over range output when the input is disconnected.



Parameters

Power supply:	18V DC ~ 32V DC (Reverse power protection)
Power dissipation:	0.4W (single output) 0.8W (double output)
Input signal:	-100mV ~ 100mV
Input resistance:	≥ 20MΩ
Output signal:	1:1 mV
Output resistance:	55Ω
Compensation accuracy:	0.05%F.S.
Temperature drift:	0.005%F.S./°C
Response time:	≤ 2ms
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)

DIP switch settings

S1 and S2 cannot be set to ON at the same time

DIP Switch		Output (Input is disconnected)
S1	S2	
ON	OFF	< -100mV
OFF	ON	> 100mV

Wiring diagram

