

NPFC-H1D

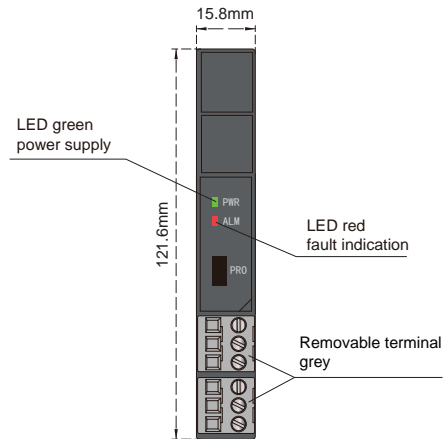
Single input, single output

NPFC-H11D

Single input, double output

Input: Frequency
Output: 4 ~ 20 mA

This frequency transmitter converts the frequency signals to current or voltage signals. The input, output, and power supply are galvanically isolated from each other. A self-test feature is also available on this device. You can use PC or handheld programmer to modify parameters.



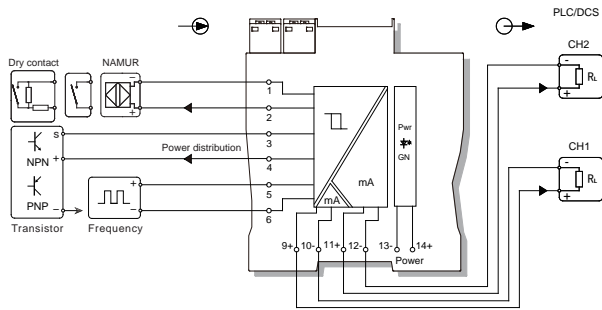
Technical data

Power supply:	18 V DC~32 V DC (Reverse power protection)
Power dissipation:	0.8 W (24V DC, single output) 1.8 W (24V DC, double output)
Input signal:	<p>Frequency Max. Input voltage: 30V_{pp} Min. Input amplitude: 2V Frequency range: 0.1Hz~100kHz</p> <p>PNP/NPN Distribution voltage: 12V or 24V Current: ≤ 20mA Frequency range: 0.1Hz~10kHz</p> <p>NAMUR switch Distribution voltage: approx.8.2V Short-circuit current: approx.8mA Frequency range: 0.1Hz~10kHz</p>
Output signal:	<p>Current: 0/4 ~ 20mA; 0 ~ 10mA Voltage: 0/1 ~ 5V; 0 ~ 10V relay contact</p>
Load resistance:	<p>0/4 ~ 20mA: R_L ≤ 500Ω; 0 ~ 10mA: R_L ≤ 1kΩ 0/1 ~ 5V: R_L ≥ 1MΩ; 0 ~ 10V: R_L ≥ 2MΩ relay contact: 0.5A/35V DC</p>
Accuracy:	± 0.1%F.S.
Temperature drift:	≤ 0.01%F.S./°C
Response time:	≤ 500ms
Electromagnetic compatibility:	IEC 61326-3-1
Dielectric strength:	<p>≥ 1500 V AC (Input/Output) ≥ 500 V AC (Power supply/Output)</p>
Insulation resistance:	≥ 100 MΩ (Input /Output/Power supply)
Operation temperature:	-20°C ~ +60°C
Storage temperature:	-40°C ~ +80°C
Dimension:	15.8 mm (W) × 121.6 mm (H) × 104.8 mm (D)
Fault states:	Input signal state indicator (red), it is remain bright when input over-range. it is flicker when input breakage.

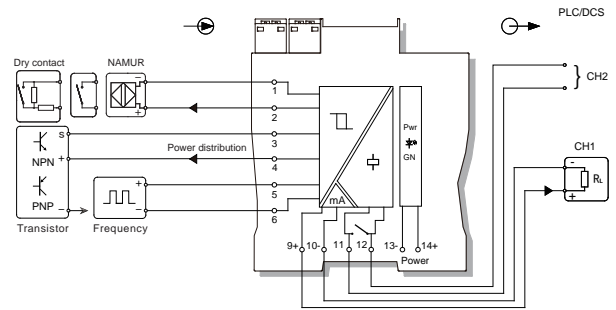
Model rules

Model		Description
NPFC-H	□ □ □	Frequency transmitter
Output1	1	4~20mA
	2	1~5V
	3	0~10mA
	4	0~5V
	5	0~10V
	6	0~20mA
Output2		None as default
	1	4~20mA
	2	1~5V
	3	0~10mA
	4	0~5V
	5	0~10V
	6	0~20mA
A	relay contact output	
Power supply	D	24V DC

Wiring diagram



24V DC, single input, double current / voltage output



24V DC, single input, single current and single relay contact output