

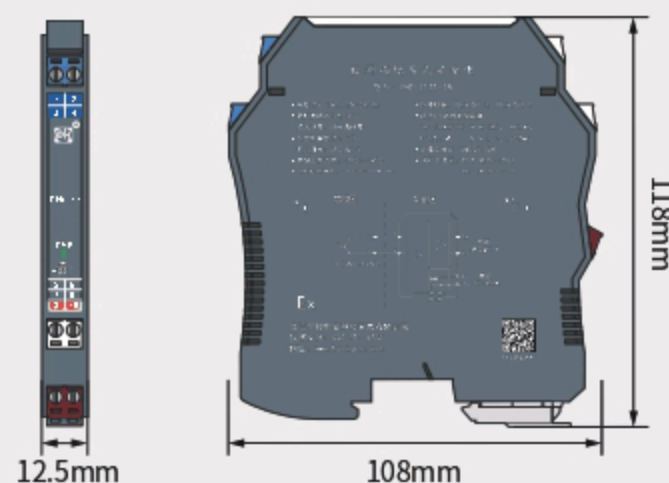
TC input temperature converter

PHG-11TT-*8

1 input 1 output

Input: TC signal

Output: 1:1 millivolt signal



Overview

PHG-11TT-*8 series thermocouple input temperature converter can output the millivolt signal sent by the thermocouple (TC) at a ratio of 1:1.

This product needs to be powered independently, and the power supply, input and output terminals are isolated between each other.

Specifications

Input:

Input signal: K, S, E, J, B, T, R, N thermocouple signals

Signal range: -20~80mV

Output:

Output signal: Thermocouple 1:1

Basic parameters:

Supply voltage: 20~35V DC

Power consumption: <0.8W(when powered by 24V DC)

LED indicator: Green——Power indicator

Output accuracy: 0.05%F.S

Response time: Reaching 90% of the final value within 300ms

Temperature drift: 0.005%F.S/°C

Temperature parameters: Working temperature: -20°C~+60°C

Storage temperature:-40°C~+80°C

Relative humidity: 10%~95% RH no condensation

Insulation strength: ≥2000VAC/min (between input/output/power supply)

Insulation resistance: ≥100MΩ (500 V DC)

(between input/output/power supply)

EMC: GB/T 18268(IEC 61326-3-1)

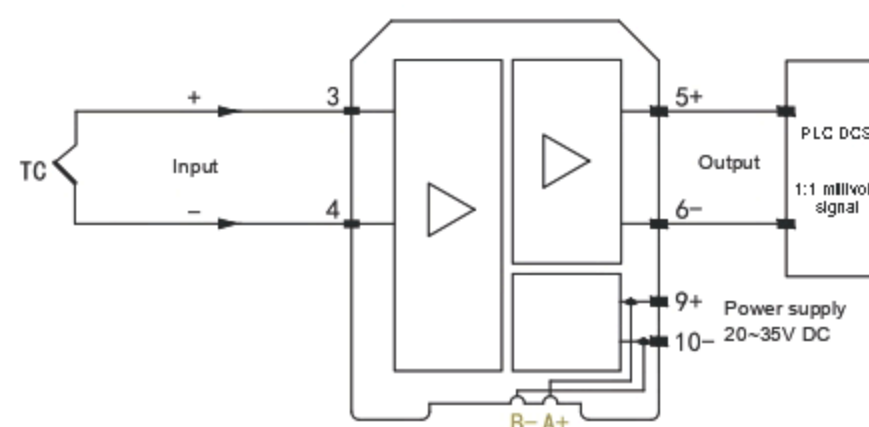
MTBF: 80000h

Wire requirements: Horizontal cutting surface ≥0.5mm²

Insulation strength ≥500V

Applicable field equipments: K, S, E, J, B, T, R, N TC sensors

Connection wiring



Note: The power rail function is an optional function, and users need to specify the power supply method when placing an order
The selection of power rail connectors can refer to page 89 of the "Annex"