

# S1101

# User's Manual



**Beijing ART Technology Development Co., Ltd.**

## S1101 Thermocouple Isolation and Conversion Module

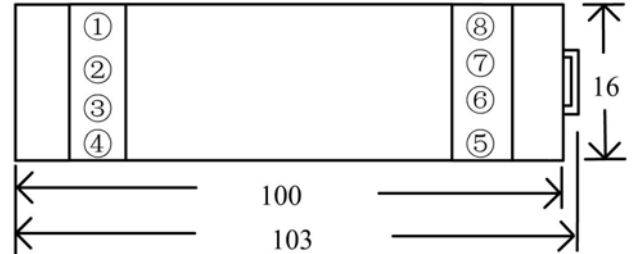
Single Input and Single Output

### Features

- Can be directly connected to the thermocouple K, E, J, T, B, R, S, N
- Contains intelligent linear
- With cold junction compensation
- With disconnection detection function
- Three-port isolation, DIN T-type rail mounting

### Dimension: (mm)

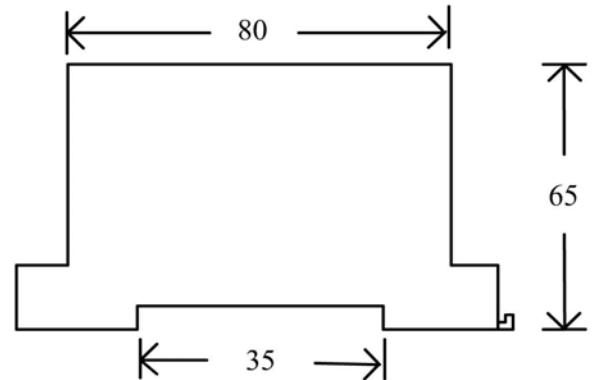
#### Top View:



### The Range of Input and Output

Type	Input Range	Output Range
J	0~1200℃	0~20mA
K	0~1300℃	4~20mA
T	-200~400℃	0~5V
E	-200~1000℃	1~5V
R	0~1700℃	-5~5V
S	0~1768℃	0~10V
B	0~1800℃	-10~10V
N	0~1300℃	

#### Side View

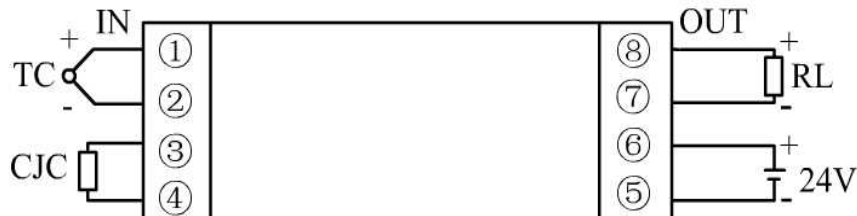


### Technical Parameters:

- Input Impedance:  $\geq 50K\Omega$
- Output Load Resistance: Voltage:  $\geq 10K\Omega$   
Current: 0~500 $\Omega$
- Disconnection Indicator: the red light is on, and output the min value of the output range.
- Isolation: input, output and power isolated
- Isolation Voltage: 1000V DC/1min
- Power Supply: 24VDC $\pm 10\%$
- Power Current: < 40mA
- Precision: 0.2%
- Frequency Response: 10Hz
- Operating Temperature: -20℃~70℃

**NOTE:** Before using the module, it should be preheated for 15 minutes.

### The Method of Wiring



## Warranty Policy

Thank you for choosing ART. To understand your rights and enjoy all the after-sales services we offer, please read the following carefully.

1. Before using ART products please read the user manual and follow the instructions exactly. When sending in damaged products for repair, please attach an RMA application form which can be downloaded from: [www.art-control.com](http://www.art-control.com).
2. All ART products come with a limited two-year warranty:
  - The warranty period starts on the day the product is shipped from ART factory
  - For products containing storage devices (hard drives, flash cards, etc.), please back up your data before sending them for repair. ART is not responsible for any loss of data.
  - Please ensure the use of properly licensed software with our systems. ART does not condone the use of pirated software and will not service systems using such software. ART will not be held legally responsible for products shipped with unlicensed software installed by the user.
3. Our repair service is not covered by ART guarantee in the following situations:
  - Damage caused by not following instructions in the User's Manual.
  - Damage caused by carelessness on the user's part during product transportation.
  - Damage caused by unsuitable storage environments (i.e. high temperatures, high humidity, or volatile chemicals).
  - Damage from improper repair by unauthorized ART technicians.
  - Products with altered and/or damaged serial numbers are not entitled to our service.
4. Customers are responsible for shipping costs to transport damaged products to our company or sales office.
5. To ensure the speed and quality of product repair, please download an RMA application form from our company website.