

THS-IP Series Current Input Distribution Isolator

- The THS-IP series current input distribution isolator uses DC24V power supply to provide isolation distribution power for on-site transmitters, while transmitting the current signal generated by the transmitter from the on-site isolation to the control room, PLC, DCS, etc.
- Input interface current source, universal for two wire and three wire transmitters; Internally, efficient magnetoelectric isolation technology is used, with input, output, and power sources isolated from each other, featuring high accuracy, high linearity, extremely low temperature drift, and short response time.
- DIN rail independent installation method; The 12.8mm ultra-thin shell adopts the latest energy-saving circuit, with almost no heat dissipation and minimal temperature rise, making it suitable for dense installation of guide rails.

| Selection Table | | | | |
|---|---|---|---|--------------|
| THS-IP | X | X | X | INSTRUCTIONS |
| Channel | 1 | | | 1 IN 1 OUT |
| | 2 | | | 1 IN 2 OUT |
| Input Signal | 1 | | | 4-20mA |
| | 2 | | | 0-20mA |
| Output Signal | 1 | | | 4-20mA |
| | 2 | | | 0-20mA |
| | 4 | | | 0-5V |
| | 6 | | | 0-10V |
| Note: Customers need to determine the input signal form and output signal form when placing an order. If there are special needs, they can customize it | | | | |

Product Selection

THS-IPXXX
Eg: THS-IP111,1 IN 1 OUT, Both input and output are 4-20mA

MAIN TECHNICAL PARAMETERS

Input

Input signal: 4-20mA; 0-20mA
Maximum input current: 25mA
Distribution voltage: ≥ 21VDC
Input impedance: ≤ 25 Ω

Output

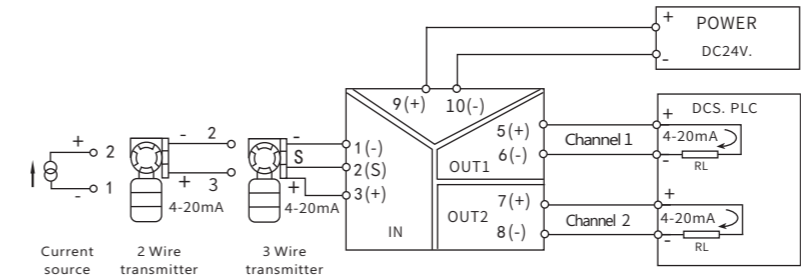
Output signal: 4-20mA; 0-20mA; 0-5V; 0-10V
Maximum output current: 25mA
Output load resistance: RL ≤ 800 Ω (output is current signal)
RL ≥ 1M Ω (output is voltage signal)

General Technical Parameters

Number of channels: 1 IN 1 OUT (THS-IP1XX)
1 IN 2 OUT (THS-IP2XX)
Power supply: DC24V, voltage range: DC20-40V
Consumption current: ≤ 39mA (1 IN 1 OUT, 24V power supply, distribution input, 20mA output, when load resistance=550 Ω)
≤ 58mA (1 IN 2 OUT, 24V power supply, distribution input, 20mA output, when load resistance=550 Ω)
Basic accuracy: ± 0.1% FS
Temperature drift: Typical value ≤ ± 1uA/10 °C
Response time: ≤ 10mS (0-90%) (TYP)
Power on stability time: ≤ 1s



WIRING DIAGRAM



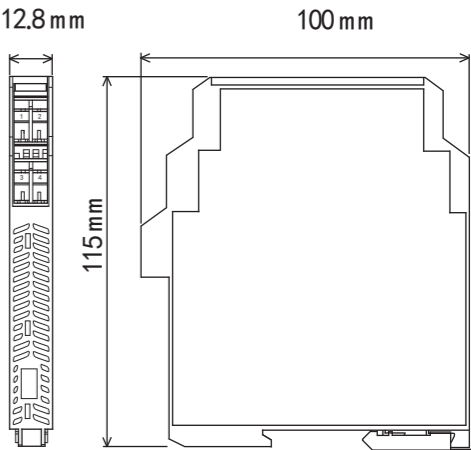
THS-IP211 1 IN 2 OUT

Note:
THS-IP111 only includes input and output part 1

Protection parameters:

- ◆ Power on impact protection, power on slow start>20ms
 - ◆ Power supply reverse connection protection, reverse connection voltage < -40V
 - ◆ Distribution protection, distribution output clamp current 28mA (± 4mA)
 - ◆ Output protection, output clamp current 25mA (± 1mA)
- Port Misconnection and Surge Protection:
- A. Between the two ports of the power input output circuit, it can withstand an external circuit voltage of<± 24V
- B. Short circuit, open circuit, and undamaged caused by incorrect connection between input output power supply. Can withstand external voltage of 2500V (1 minute without damage)
- Insulation strength: 2500V AC/1 minute (between input, output, and power supply)
- Insulation resistance: ≥ 100M Ω (between input, output, and power supply)
- Working temperature range: -20~+55 °C
- Electromagnetic compatibility: In accordance with GB/T 18268 (IEC61326-1)
- Suitable for on-site equipment: two wire, three wire transmitters, current sources.

OVERALL DIMENSION



THS-IP Series Current Input Distribution Isolator (2 IN 2 OUT)

- The THS-IP series current input distribution isolator uses DC24V power supply to provide isolation distribution power for on-site transmitters, while transmitting the current signal generated by the transmitter from the on-site isolation to the control room, PLC, DCS, etc.
- Input interface current source, universal for two wire transmitters; Internally, efficient magnetoelectric isolation technology is used, with input, output, and power sources isolated from each other, featuring high accuracy, high linearity, extremely low temperature drift, and short response time.
- DIN rail independent installation method; The 12.8mm ultra-thin shell adopts the latest energy-saving circuit, with almost no heat dissipation and minimal temperature rise, making it suitable for dense installation of guide rails.

| Selection Table | | | | |
|---|---|---|---|--------------|
| THS-IP | X | X | X | INSTRUCTIONS |
| Channel | 5 | | | 2 IN 2 OUT |
| | | | | |
| | | | | |
| Input Signal | 1 | | | 4-20mA |
| | 2 | | | 0-20mA |
| Output Signal | 1 | | | 4-20mA |
| | 2 | | | 0-20mA |
| | 4 | | | 0-5V |
| | 6 | | | 0-10V |
| Note: Customers need to determine the input signal form and output signal form when placing an order. If there are special needs, they can customize it | | | | |

Product Selection

THS-IPXXX
Eg: THS-IP511, 2 IN 2 OUT, Both input and output are 4-20mA

MAIN TECHNICAL PARAMETERS

Input

Input signal: 4-20mA; 0-20mA
Maximum input current: 25mA
Distribution voltage: ≥ 21VDC
Input impedance: ≤ 25 Ω

Output

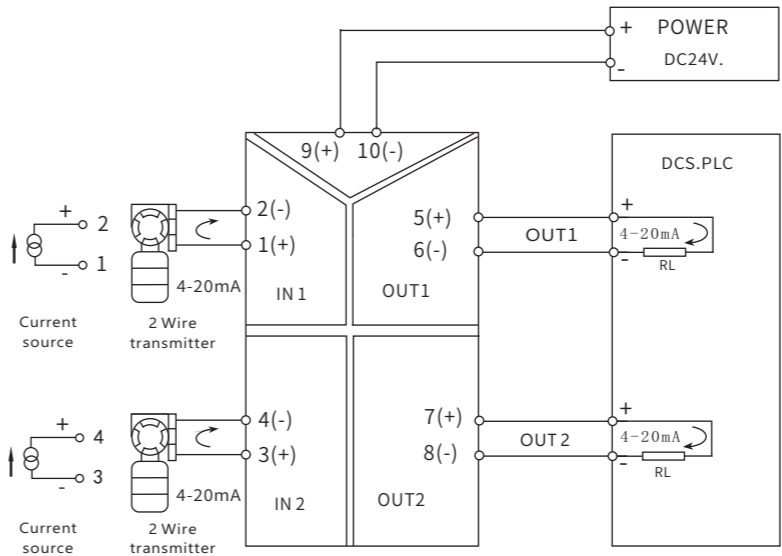
Output signal: 4-20mA; 0-20mA; 0-5V; 0-10V
Maximum output current: 25mA
Output load resistance: RL ≤ 800 Ω (output is current signal)
RL ≥ 1M Ω (output is voltage signal)

General Technical Parameters

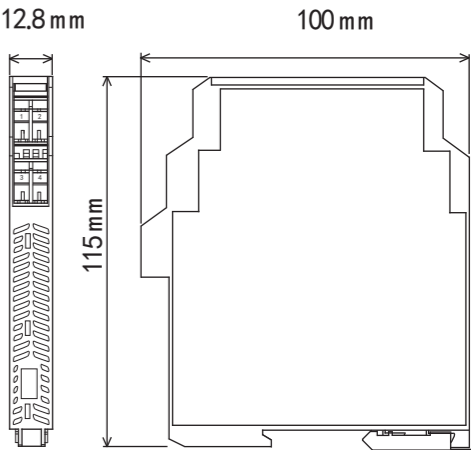
Number of channels: 2 IN 2 OUT (THS-IP5XX)
Power supply: DC24V, voltage range: DC20-40V
Consumption current: ≤ 93mA (2 IN 2 OUT, 24V power supply, distribution input, 20mA output, when load resistance=550 Ω)
Basic accuracy: ± 0.1% F.S
Temperature drift: Typical value ≤ ± 1uA/10 °C
Response time: ≤ 10mS (0-90%) (TYP)
Power on stability time: ≤ 1s
Insulation strength: 2500V AC/1 minute (between input, output, and power supply)
Insulation resistance: ≥ 100M Ω (between input, output, and power supply)
Working temperature range: -20~+55 °C
Electromagnetic compatibility: In accordance with GB/T 18268 (IEC61326-1)
Suitable for on-site equipment: Two wire transmitter, current source.



WIRING DIAGRAM



OVERALL DIMENSION



Note:
When connecting the input terminal to a two wire transmitter, it is necessary to turn the input signal selection switch below the end cover to the P position; When connecting the current source signal to the input terminal, the switch needs to be turned to the I position.

Protection parameters:

- ◆ Power on impact protection, power on slow start>20ms
 - ◆ Power supply reverse connection protection, reverse connection voltage < -40V
 - ◆ Distribution protection, distribution output clamp current 28mA (± 4mA)
 - ◆ Output protection, output clamp current 25mA (± 1mA)
- Port Misconnection and Surge Protection:
- A. Between the two ports of the power input output circuit, it can withstand an external circuit voltage of<± 24V
- B. Short circuit, open circuit, and undamaged caused by incorrect connection between input output power supply. Can withstand external voltage of 2500V (1 minute without damage)

THS-TP Series Universal Signal Isolator (intelligent)

● The THS-TP series universal signal input isolator is used for current, voltage millivolts, thermal resistors, thermocouples, potentiometers, and other signal inputs. After isolation, it outputs standard current/voltage signals to the control room, PLC, DCS, display instruments, etc. It can also provide power distribution for on-site transmitters.

● Distribution, current, voltage, millivolts, thermal resistance, thermocouples, potentiometers, and other signal inputs can be switched through different wiring methods. The signal type, measurement range, alarm parameters, etc. can be programmed through PC software.

● High reliable isolation of input, output, and power supply three ports; DIN rail independent installation method; 12.8mm ultra-thin shell, using the latest energy-saving circuit, with minimal temperature rise, suitable for dense installation of guide rails.energy-saving circuit, with almost no heat dissipation and minimal temperature rise, making it

| Selection Table | | | | |
|---|---|---|---|---|
| THS-TP | X | X | X | INSTRUCTIONS |
| Channel | 1 | | | 1 IN 1 OUT |
| | 2 | | | 1 IN 2 OUT |
| Input Signal | | U | | General Signal (Including signals such as power distribution, current, voltage, millivolts, thermal resistance, thermocouples, potentiometers, etc.) Note: When ordering, it is necessary to indicate the signal type and range |
| Output Signal | | | 1 | 4-20mA |
| | | | 2 | 0-20mA |
| | | | 4 | 0-5V |
| | | | 6 | 0-10V |
| Note: Customers need to determine the input signal form and output signal form when placing an order. If there are special needs, they can customize it | | | | |

Product Selection

THS-TPXX
Eg: THS-TP2U1/PT100,0-100
2 IN 2 OUT, input signal PT100 (0-100 °C), output 4-20mA

MAIN TECHNICAL PARAMETERS

Input

Input signal: PT100, Cu50, Ni1000 and other thermal resistors
B, E, J, K, N, R, S, T, etc thermocouple
Voltage (range: 0-10V)
Millivolts (range: -100mV~+100mV)
Current source (range: 0-20mA)
Transmitter (power distribution), (range: 0-20mA)
Resistance, potentiometer (maximum range 0-5K)
Distribution voltage: ≥ 21V
Measurement range: Depends on the type of sensor used

Output

Output signal: 4-20mA; 0-20mA; 0-5V; 0-10V
Output load resistance: $RL \leq 350 \Omega$ (output is current signal)
 $RL \geq 10K\Omega$ (output is voltage signal)

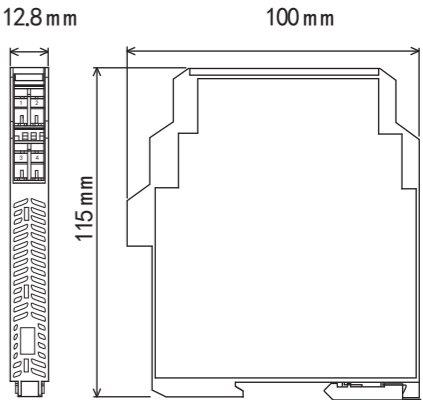
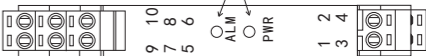
General Technical Parameters

Power supply: DC24V, voltage range: DC18-32V
Consumption current: ≤ 50mA (1 IN 1 OUT, 24V power supply, 20mA output)
≤ 70mA (one in two out, 24V power supply, 20mA output)
Basic accuracy: 0.2% F.S
Response time: ≤ 1s
Insulation strength: 1500V AC/1min (between input, output, and power supply)
Insulation resistance: ≥ 100M Ω (between input, output, and power supply)
Working temperature range: -20~+55 °C
Electromagnetic compatibility: In accordance with GB/T 18268 (IEC61326-1)

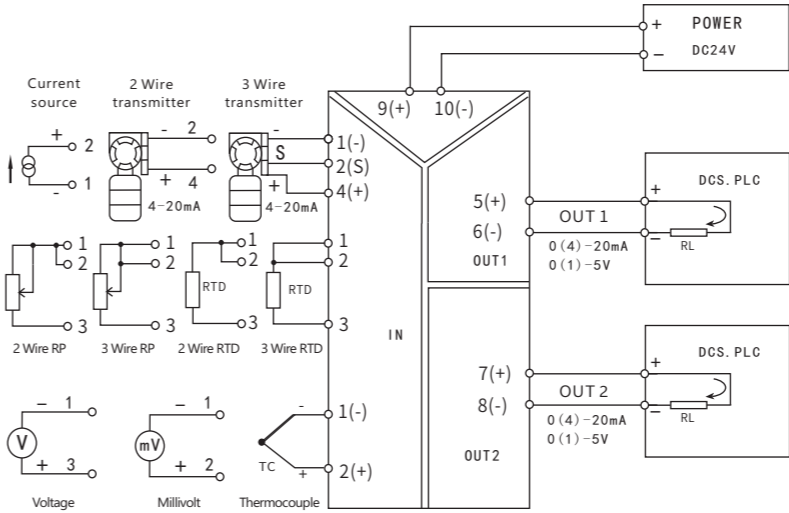


OVERALL DIMENSION

ALM Red signal indicator light
Green power indicator light



WIRING DIAGRAM



Panel Description:
PWR: Power indicator light (green), constantly on during operation.
ALM: Input signal status indicator light (red). Flashing when signal is open or short circuited; It often lights up when the range is exceeded, but does not light up when the signal is normal.

THS-TP2XX 1 IN 2 OUT

Note:
THS-TP1XX only includes input and output part 1

THS-WY Series Passive Isolator

- The THS-WY series passive isolator is a signal isolator with 4-20mA current signal input and 4-20mA current signal output, which takes power from the input signal and does not require additional power supply.
- Internally, efficient magnetoelectric isolation technology and magnetic power compensation technology are adopted, greatly improving the load capacity and transmission accuracy of passive isolation. It has the characteristics of high accuracy, high linearity, extremely low temperature drift, and short response time.
- DIN rail independent installation method; The 12.8mm ultra-thin shell adopts the latest energy-saving circuit, with almost no heat dissipation and minimal temperature rise, making it suitable for dense installation of guide rails.

| Selection Table | | | | |
|---|---|---|---|--------------|
| THS-WY | X | X | X | INSTRUCTIONS |
| Channel | 1 | | | 1 IN 1 OUT |
| | 2 | | | 1 IN 2 OUT |
| | 5 | | | 2 IN 2 OUT |
| Input Signal | | 0 | | 4-20mA |
| | | | | |
| Output Signal | | 1 | | 4-20mA |
| | | | | |
| | | | | |
| Note: Customers need to determine the input signal form and output signal form when placing an order. If there are special needs, they can customize it | | | | |

Product Selection

THS-WYXXX
Eg: THS-WY101, 1 IN 1 OUT, Both input and output are 4-20mA

MAIN TECHNICAL PARAMETERS

Input

Input signal: 4-20mA
Voltage drop: ≤ 2V (20mA)
Input impedance: 100 Ω+ output load resistance

Output

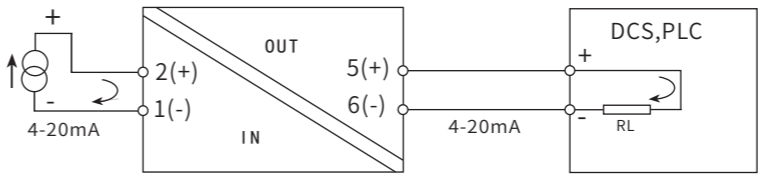
Output signal: 4-20mA
Output load resistance: RL ≤ 750 Ω (indicator light off)
RL ≤ 650 Ω (indicator light on)

General Technical Parameters

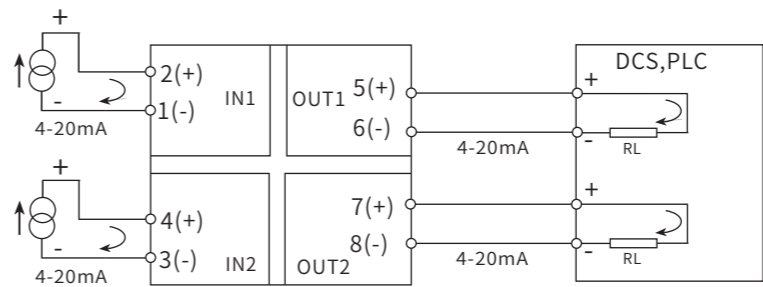
Number of channels: 1 IN 1 OUT (THS-I101)
2 IN 2 OUT(THS-I501)
Basic accuracy: ± 0.1% F.S
Temperature drift: Typical value ≤ ± 0.005FS/°C
Response time: ≤ 10mS (0-90%) (TYP)
Impact of load change: ± 0.05%
Insulation strength: 2500V AC/1 minute (between input and output)
Insulation resistance: ≥ 100M Ω (between input and output)
Working temperature range: -20~+55 °C
Electromagnetic compatibility: In accordance with GB/T 18268 (IEC61326-1)



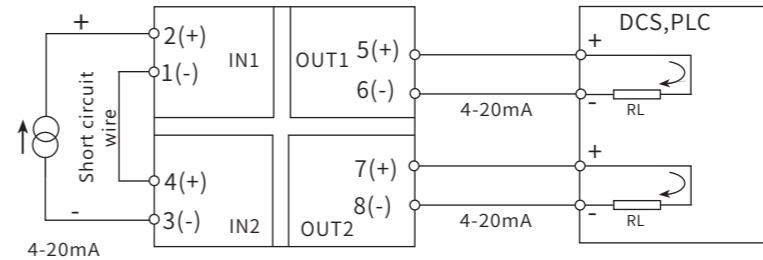
WIRING DIAGRAM



THS-WY101 1 IN 1 OUT



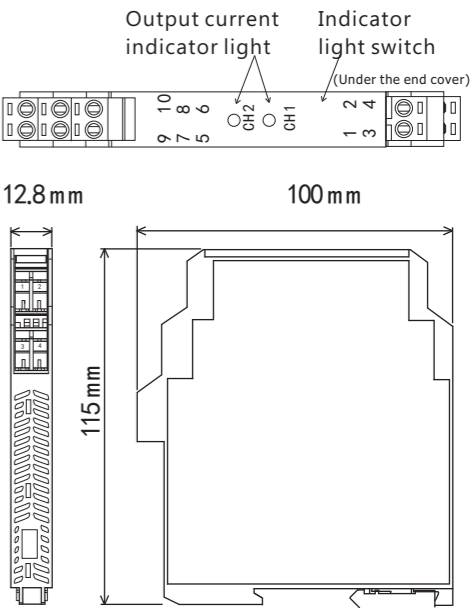
THS-WY501 2 IN 2 OUT



THS-WY201

Change from 2 IN 2 OUT to 1 IN 1 OUT connection method

OVERALL DIMENSION



THS-F Series Frequency Signal Isolator

- Isolate and convert industrial site frequency signals into standard signals such as 4-20mA and 0-5V.
- DIN rail independent installation method

Selection Table

| THS-F | X | X | X | INSTRUCTIONS |
|---|---|---|---|------------------------|
| Channel | 1 | | | 1 IN 1 OUT |
| | | | | |
| | | | | |
| Input Signal | | A | | 0-60Hz |
| | | B | | 45-55Hz |
| | | C | | 0-1KHz |
| | | D | | 0-10KHz |
| | | E | | Customer customization |
| Output Signal | | | 1 | 4-20mA |
| | | | 2 | 0-20mA |
| | | | 5 | 0-5V |
| | | | 7 | 0-10V |
| Note: Customers need to determine the input signal form and output signal form when placing an order. If there are special needs, they can customize it | | | | |

Product Selection

THS-F1XX

Eg: THS-F1D1, 1 IN 1 OUT, input 0-10KHz, output 4-20mA

MAIN TECHNICAL PARAMETERS

Input

Signal type: Pulse square wave or sine wave

Frequency range: 1Hz-100KHz (signals below 1Hz are treated as 0Hz and cut off)

Customizable 0.1Hz-100KHz

Level: $V_L \leq 1V$; $4V \leq V_H \leq 12V$ (customizable)

Distribution voltage: 24V ± 2V or 12V ± 1V

Distribution power: $< 0.8\text{W}$

Output

Output signal: 4-20mA; 0-20mA; 0-5V; 0-10V

Output load resistance: $R_L \leq 500 \, \Omega$ (when the output is a current signal)

 $R_L \geq 10K \Omega$ (when outputting is a voltage signal)

General Technical Parameters

Power supply: DC24V Voltage range: DC20-40V

Consumption current: $\leq 50\text{mA}$ (1 IN 1 OUT, 24V power supply, 20mA output)

Basic accuracy: 0.1% F.S

Temperature drift: 0.005% F.S./°C (-20 °C to +55 °C)

Response time: $\leq 0.5S$ (0-90%) (TYP)

Insulation strength: 1500V AC/1min (between input, output, and power supply)

Insulation resistance: $\geq 100\text{M } \Omega$ (between input, output, and power supply)

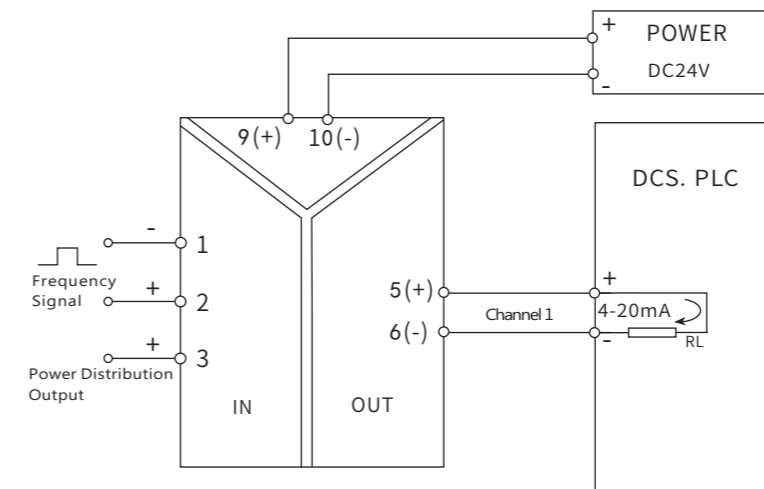
Working temperature range: -20~+55 °C

Electromagnetic compatibility: In accordance with GB/T 18268 (IEC61326-1)

Applicable on-site equipment: Frequency signal source

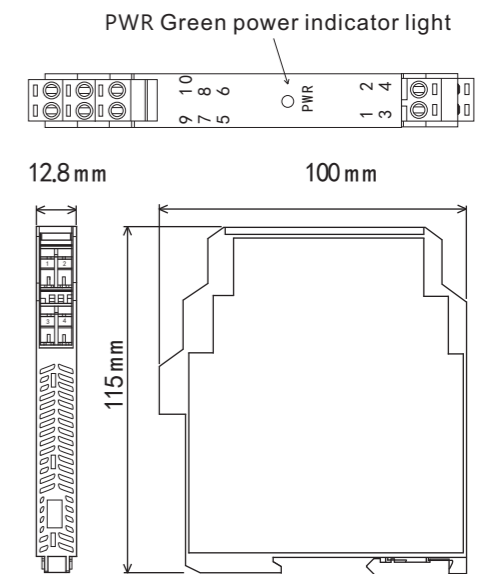


WIRING DIAGRAM



THS-F1X1 1 IN 1 OUT

OVERALL DIMENSION



Panel Description:

PWR: The power indicator light (green) is constantly on during operation.

THS-TR Series Thermal Resistance Temperature Isolation Transmitter

- Receive thermal resistance signals from the site, transmit them through isolation, output standard current/voltage signals to the control room, PLC, DCS, and display instruments.
- The signal type, measurement range, alarm parameters, etc. can be programmed through PC software.
- High reliable isolation of input, output, and power supply three ports; DIN rail independent installation method.

| Selection Table | | | | |
|---|----|---|---|--------------------|
| THS-TR | X | X | X | INSTRUCTIONS |
| Channel | 1 | | | 1 IN 1 OUT |
| | 2 | | | 1 IN 2 OUT |
| Input Signal | C5 | | | Cu50(-50~+150℃) |
| | C1 | | | Cu100(-50~+150℃) |
| | P1 | | | Pt100(-200~+850℃) |
| | P2 | | | Pt1000(-200~+250℃) |
| | N1 | | | Ni100(-60~+180℃) |
| | N2 | | | Ni1000(-60~+150℃) |
| Output Signal | | 1 | | 4-20mA |
| | | 2 | | 0-20mA |
| | | 4 | | 0-5V |
| | | 6 | | 0-10V |
| Note: Customers need to determine the input signal form and output signal form when placing an order. If there are special needs, they can customize it | | | | |

Product Selection

THS-TRXX
Eg: THS-TR1P11/0-100, input signal PT100 (0-100 °C), output DC 4-20mA

MAIN TECHNICAL PARAMETERS

Input

Input signals: PT100, Cu50, Ni1000 and other thermal resistance signals
Allowable line resistance: ≤ 22 Ω

Output

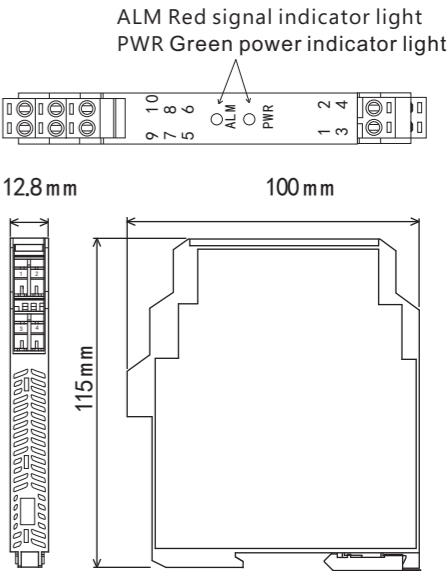
Output signal: 4-20mA; 0-20mA; 0-5V; 0-10V
Output load resistance: RL ≤ 500 Ω (when the output is a current signal)
RL ≥ 10K Ω (when outputting is a voltage signal)

General Technical Parameters

Power supply: DC24V, voltage range: DC18-32V
Consumption current: ≤ 50mA (1 IN 1 OUT, 24V power supply, 20mA output)
≤ 70mA (1 IN 2 OUT, 24V power supply, 20mA output)
Over limit alarm: below the lower temperature limit, output 3.8mA, (at 4-20mA output)
Above the upper temperature limit, output 20.5mA
Wire breakage alarm: Output 22mA (users can set specific values as alarm values within the range of 0-22mA)
Basic accuracy: 0.2% F.S
Temperature drift: 0.005% F.S./°C (-20 °C to +55 °C)
Insulation strength: 1500V AC/1min (between input, output, and power supply)
Insulation resistance: ≥ 100M Ω (between input, output, and power supply)
Working temperature range: -20~+55 °C
Electromagnetic compatibility: In accordance with GB/T 18268 (IEC61326-1)
Applicable on-site equipment: Two wire and three wire thermal resistors

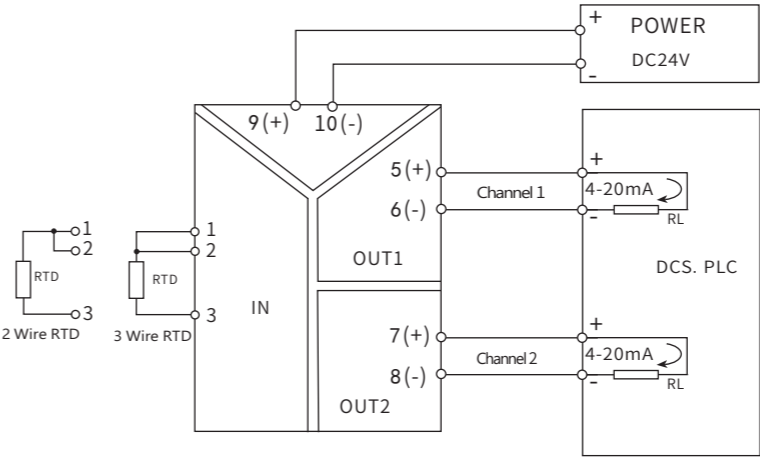


OVERALL DIMENSION



Panel Description:
PWR: Power indicator light (green), constantly on during operation.
ALM: Input signal status indicator light (red). Flashing when signal is open or short circuited; It often lights up when the range is exceeded, but does not light up when the signal is normal.

WIRING DIAGRAM



THS-TR2XX1
1 IN 2 OUT

Note:THS-TR1XX1 1 IN 1 OUT only includes channel 1 part
Note: When inputting the signal of a two wire heating resistor, terminals 1 and 2 must be short circuited.
When inputting the signal of the three wire heating resistor, it is necessary to ensure that the resistance values of the three wires are equal as much as possible.

THS-TC Series Thermocouple Temperature Isolation Transmitter

- Receive thermocouple signals from the site, isolate and transmit standard current/voltage signals to the control room, PLC, DCS, and display instruments.
- The signal type, measurement range, alarm parameters, etc. can be programmed through PC software.
- High reliable isolation of input, output, and power supply three ports; DIN rail independent installation method.

| Selection Table | | | | |
|---|---|---|---|--------------|
| THS-TC | X | X | X | INSTRUCTIONS |
| Channel | 1 | | | 1 IN 1 OUT |
| | 2 | | | 1 IN 2 OUT |
| Input Signal | B | | | 400~+1820℃ |
| | E | | | -100~-+1000℃ |
| | J | | | -100~-+1200℃ |
| | K | | | -180~-+1372℃ |
| | N | | | -180~-+1300℃ |
| | R | | | -50~-+1768℃ |
| | S | | | -50~-+1768℃ |
| | T | | | -200~-+400℃ |
| Output Signal | | 1 | | 4-20mA |
| | | 2 | | 0-20mA |
| | | 4 | | 0-5V |
| | | 6 | | 0-10V |
| Note: Customers need to determine the input signal form and output signal form when placing an order. If there are special needs, they can customize it | | | | |

Product Selection

THS-TCXX
Eg: THS-TC1K1/0-500, input signal K-type thermocouple (0-500 °C), output DC 4-20mA

MAIN TECHNICAL PARAMETERS

Input

Input signals: B, E, J, K, N, R, S, T, etc thermocouple signal
Cold end compensation: compensation range: -20 °C~+60 °C
Compensation method: Internal compensation
Cold end compensation accuracy: ± 1 °C

Output

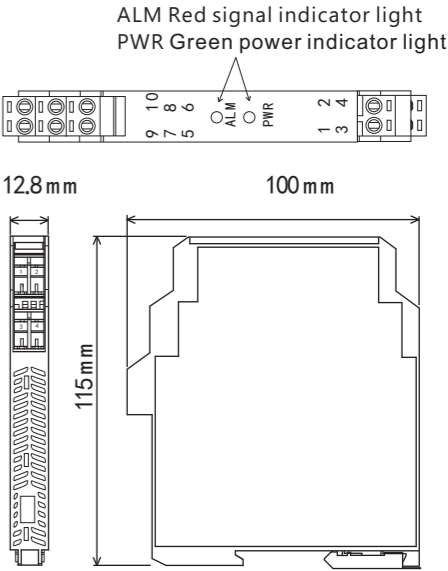
Output signal: 4-20mA; 0-20mA; 0-5V; 0-10V
Output load resistance: RL ≤ 500 Ω (when the output is a current signal)
RL ≥ 10K Ω (when outputting as a voltage signal)

General Technical Parameters

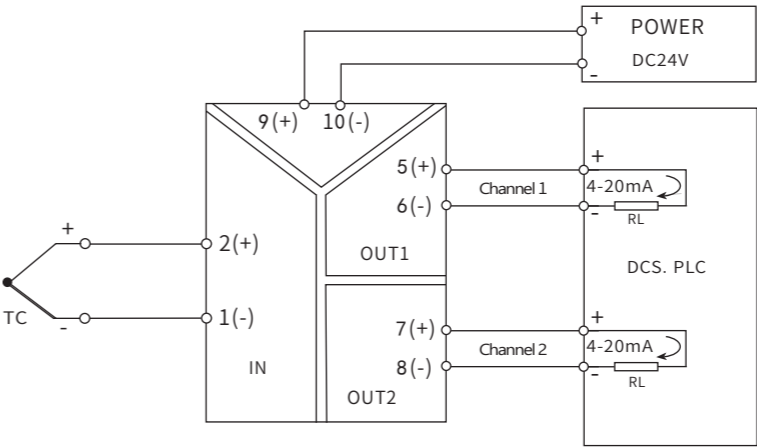
Power supply: DC24V, voltage range: DC18-32V
Consumption current: ≤ 50mA (1 IN 1 OUT, 24V power supply, 20mA output)
≤ 70mA (1 IN 2 OUT, 24V power supply, 20mA output)
Over limit alarm: below the lower temperature limit, output 3.8mA, (at 4-20mA output)
Above the upper temperature limit, output 20.5mA
Break even alarm: Output 22mA (users can set specific values as alarm values within the range of 0-22mA)
Basic accuracy: 0.2% F.S. (excluding cold end compensation error)
Temperature drift: 0.005% F.S./°C (-20 °C to+55 °C)
Insulation strength: 1500V AC/1min (between input, output, and power supply)
Insulation resistance: ≥ 100M Ω (between input, output, and power supply)
Working temperature range: -20~+55 °C
Electromagnetic compatibility: In accordance with GB/T 18268 (IEC61326-1)
Applicable on-site equipment: Thermocouples



OVERALL DIMENSION



WIRING DIAGRAM



THS-TC2XX1 1 IN 2 OUT

Note: THS-TC1XX0 1 IN 1 OUT only includes channel 1 part

Panel Description:
PWR: Power indicator light (green), constantly on during operation.
ALM: Input signal status indicator light (red). Flashing when signal is open or short circuited; It often lights up when the range is exceeded, but does not light up when the signal is normal.

Anhui Taihua instrument Co., LTD

THS-AC Series AC Signal Isolation Transmitter

- The THS-AC series AC signal isolation transmitter outputs standard current/voltage signals to the control room, PLC, DCS, and display instruments through isolation and transmission of AC current signals with effective values of 0-5A and AC voltage signals with effective values of 0-500V.
- Internally, efficient optical and magnetic isolation technology is adopted, and the input, output, and power supply are isolated from each other, with strong anti-interference ability. It has the characteristics of high accuracy, high linearity, extremely low temperature drift, and short response time.
- DIN rail independent installation method; 12.8mm ultra-thin shell, using the latest energy-saving circuit, with minimal temperature rise, suitable for dense installation of guide rails.

| Selection Table | | | | |
|---|---|---|---|------------------------|
| THS-AC | X | X | X | INSTRUCTIONS |
| Channel | 1 | | | 1 IN 1 OUT |
| | 2 | | | 1 IN 2 OUT |
| | 3 | | | 2 IN 2 OUT |
| Input Signal | A | | | 0-1A AC |
| | B | | | 0-2A AC |
| | C | | | 0-5A AC |
| | D | | | 0-50V AC |
| | E | | | 0-100V AC |
| | F | | | 0-250V AC |
| | Z | | | Customer customization |
| | | | | |
| Output Signal | | 1 | | 4-20mA |
| | | 2 | | 0-20mA |
| | | 4 | | 0-5V |
| | | 6 | | 0-10V |
| Note: Customers need to determine the input signal form and output signal form when placing an order. If there are special needs, they can customize it | | | | |

Product Selection

THS-ACXXXXX
Eg: THS-AC5C1F4, 2 IN 2 OUT, first channel: input 0-5A, output 4-20mA,Second circuit: input 0-250V, output 0-5V
The first input terminal adopts perforated input, with an aperture of 5mm, and can only input AC current;
The second input terminal adopts wiring terminals, which can input AC current and AC voltage. To avoid terminal heating, the first perforated input method should be preferred for high current input

MAIN TECHNICAL PARAMETERS

Input

Input current range: AC 0-5A, AC 0-100mA
Input voltage range: AC 0-500V, AC 0-100mV
Frequency range: 40Hz-60Hz

Output

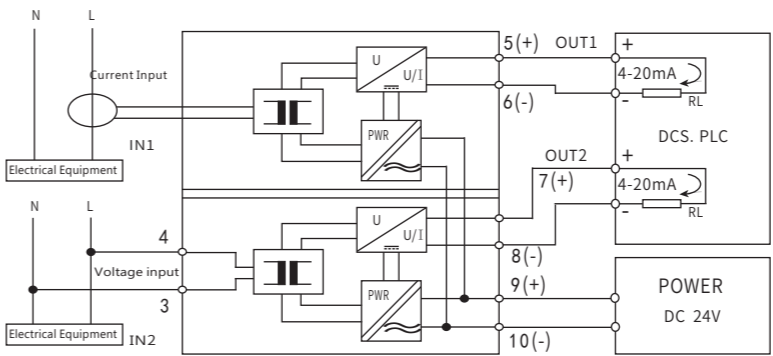
Output signal: 4-20mA; 0-20mA; 0-5V; 0-10V
Output load resistance: $RL \leq 500 \Omega$ (when the output is a current signal)
 $RL \geq 10K \Omega$ (when outputting is a voltage signal)

General Technical Parameters

Power supply: DC24V
Voltage range: DC20-40V
Rated power consumption: $\leq 1W$ (1 IN 1 OUT, DC24V power supply, 20mA output)
Basic accuracy: $\leq 0.5\%$ F.S
Temperature drift: 0.02% F.S./ $^{\circ}C$ (-20 $^{\circ}C$ to +55 $^{\circ}C$)
Response time: $\leq 400mS$ (0-90%) (TYP)
Insulation strength: 2000V AC/1min (between input, output, and power supply)
Insulation resistance: $\geq 100M \Omega$ (between input, output, and power supply)



WIRING DIAGRAM



THS-AC5XXXX 2 IN 2 OUT

Note:
THS-AC1XXXX 1 IN 1 OUT, only includes input 1 and output 1 parts
THS-AC2XXXX 1 IN 2 OUT, input only includes channel 1 input
This wiring diagram is for reference only. As the product upgrades, the wiring method may be changed in the future. The specific drawings on the user manual provided with the product shall prevail.

OVERALL DIMENSION

