Signal Isolated Transmitter (5-digit analog input display type)

Model: SIT-5AID

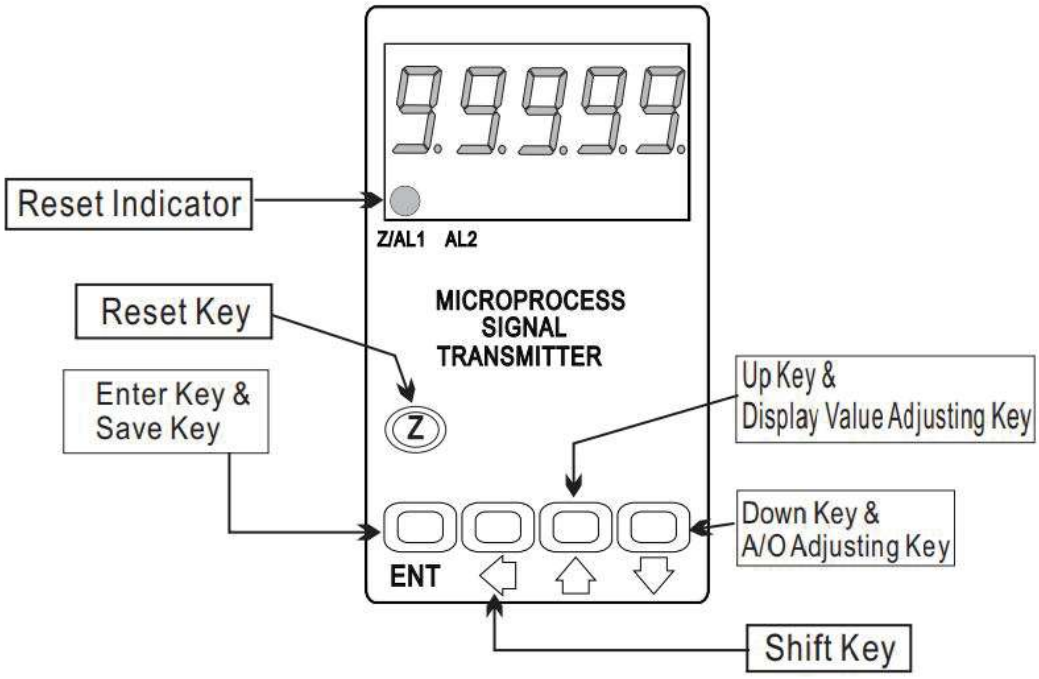
Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales.
(If there is any change on specification, please take the latest version as standard.)

Features

- Measuring AC/DC voltage, current, potentiometer, resistance, transmitter, PT-100, load cell and other signals are available
- Highlight 0.4" 5-digit LED display, decimal point can be set by user
- Surge test of AC 2000V/min between any 2 of input / output / power
- Output corresponding range can be set by user
- Case material adopts flameproof PC for hig stability and security

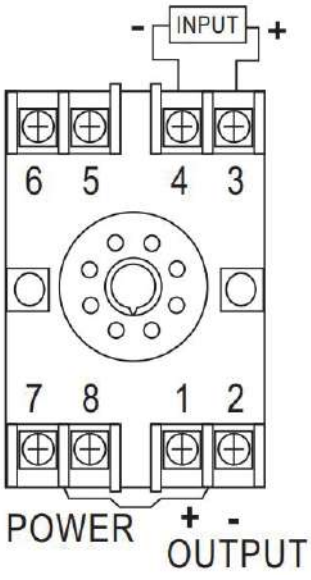
Main Specifications	Other Specifications
▼Size 121.1 x 50 mm ▼Installation type Socket / Plug-in ▼Operating ambient temp. -0°C to +60°C ▼Storage temperature -10°C to 70°C ▼Ambient humidity 20-90% R.H. (non-condensing) ▼Storage temperature 20-90% R.H. (non-condensing) ▼Temperature coefficient 100ppm/℃ (0~60℃) ▼Temperature drift <±0.015%F.S./year @25°C	▼Accuracy For DC / potentiometer / resistor / PT-100 / load cell: ±0.1% F.S., ±1-digit For AC: ±0.2%F.S., ±1-digit ▼Display Highlight red LED Type-high 10.16mm (0.4") ▼Sampling time 16 cycles/sec. ▼Display range -19999~99999 Zero adjustment range: ±9999 Span adjustment range: ±9999 ▼Overload display doFL / ioFL or -doFl / -ioFL ▼Polarity indication Display "-" when input signal is opposite ▼Parameter setting Push buttons ▼Data memory mode EEPROM ▼Output ripple ≦±0.1%F.S. ▼Isolation Input / output / power / case ▼Power supply AC/DC 100~240V ; AC/DC 22~60V ▼Analog output Resolution: 15 bit Response time: <250ms (0-90%) Output capacity: Voltage output <20ma Current output <10V ▼Surge test 2KVac / min. (Input / Power) ▼Insulation resistance >100MΩ with 500Vdc ▼Input impedance Voltage: >2V: 20KΩ/V ≦2V: >200MΩ Current: ≧0.2A: 100mV < 0.2A: 1V ▼Other requests (Option) Third party notarized documents Inspection report

Front panel & key functions

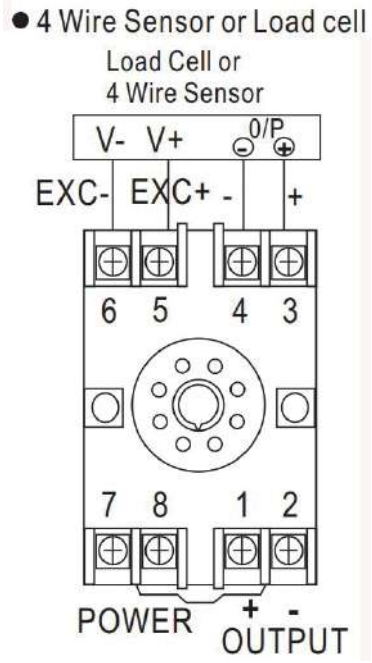


Wiring connection

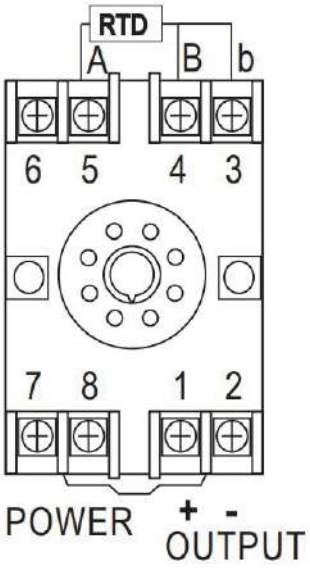
● Voltage, Current (AC, DC)



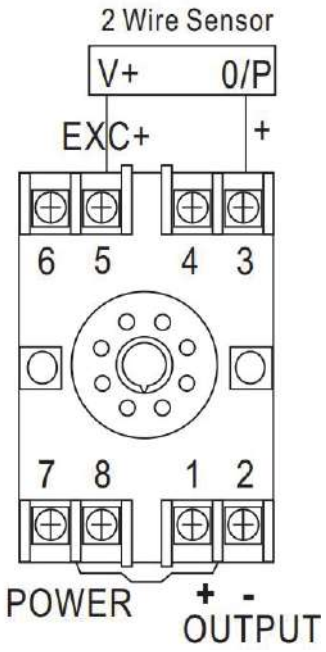
● 4 Wire Sensor or Load cell



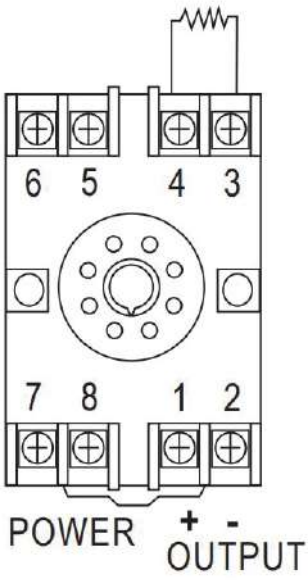
● Temperature (RTD)



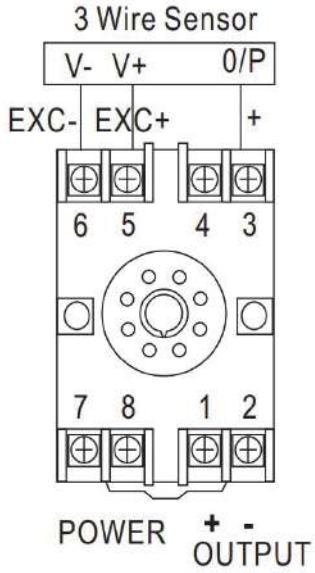
● 2 Wire Sensor



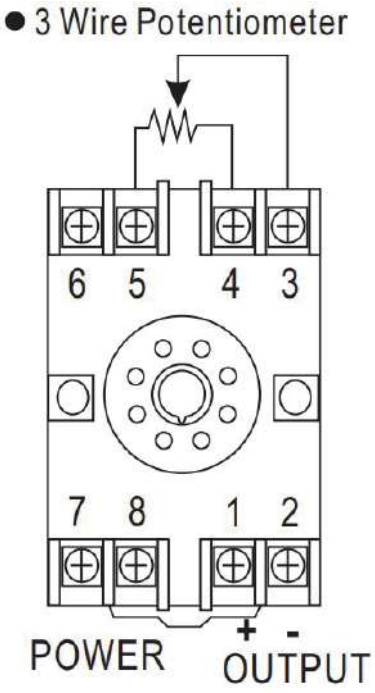
● 2 Wire Resistor



● 3 Wire Sensor



● 3 Wire Potentiometer



How to order

SIT-5AID	3-wire sensor	0~50mV	0~20μA	AC/DC 100~240V	4~20mA
Model	Input type	Voltage (V)	Current (A)	Power supply	Analog output
SIT-5AID	DC	0~50mV	0~20μA	AC/DC 100~240V	4~20mA
	AC AVG	5~5V	0~200μA	AC/DC 22~60V	0~20mA
	AC TRMS	1~5V	0~2mA	Others	0~5V
	3-wire potentiometer*	0~10V	0~20mA		0~10V
	2-wire resistor*	0~36V	0~200mA		Power circuit 15~30Vdc Output current 4~20mA
	RTD(Pt-100)*	0~300V	4~20mA		Others
	Load cell*	0~600V	Others		
	2-wire sensor	Others			
	3-wire sensor				
	4-wire sensor				

Note:

(1) 2-wire sensor equips built-in 24VDC excitation power, suitable for pressure, temperature, and humidity of 2-wire (power circuit), direct wiring

(2) 3, 4-wire sensor provides 24VDC excitation power, suitable for pressure, temperature, and humidity of 3-wire, direct wiring

(3) The excitation power EX.5V of the load cell can be connected in parallel, and the EX10V is only used for one

* If the input type is 3-wire potentiometer/2-wire resistor/RTD (Pt-100)/load cell, please select the range from the following table

3-wire potentiometer	2-wire resistor	RTD (Pt-100)	Load cell
500Ω-10KΩ	0~10Ω	-50~50℃	1mV/V EX, 5V
10KΩ-100KΩ	0~100Ω	0~50℃	2mV/V EX, 5V
100KΩ-1MΩ	0~1KΩ	0~100℃	3mV/V EX, 5V
Others	0~10KΩ	0~200℃	1mV/V EX, 10V
	0~100KΩ	0~400℃	2mV/V EX, 5V
	Others	0~600℃	3mV/V EX, 5V
		Others	Others