

ANALOG SIGNAL ISOLATED TRANSMITTER

AT

FEATURES

- Accuracy: $\pm 0.1\%$ F.S. (DC / Potentiometer / Resistor / PT-100 / Load Cell)
 $\pm 0.2\%$ F.S. (AC)
- Measuring AC, DC Voltage / AC, DC Current / Potentiometer / Resistor / PT-100 / Load Cell)
- Surge test of AC 2000V / min between input / output / power
- High stability, non-flammable case (PC), high safety

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ORDER INFORMATION : AT - [Code 1] [Code 2] - [Code 3] - [Code 4]

Code 1	Input Type	Code 2	Voltage	Code 2	Current	Code 2	Potentiometer	Code 2	Resistor	Code 2	RTD (PT-100)	Code 2	Load Cell	Code 3	Aux. Power	Code 4	Analog Output
D	DC	V1	0~50mV	A1	0~20uA	P1	500 Ω ~10K Ω	I1	0~10 Ω	T1	-50~50 $^{\circ}$ C	L1	1mV/V EX.5V	A	AC/DC 100~240V	1	4~20mA
A	AC AVG	V2	0~5V	A2	0~200uA	P2	10K Ω ~100K Ω	I2	0~100 Ω	T2	0~50 $^{\circ}$ C	L2	2mV/V EX.5V	D	AC/DC 22~60V	2	0~20mA
M	AC TRMS	V3	1~5V	A3	0~2mA	P3	100K Ω ~1M Ω	I3	0~1K Ω	T3	0~100 $^{\circ}$ C	L3	3mV/V EX.5V			3	0~5V
P	3 Wire Potentiometer	V4	0~10V	A4	0~20mA	PO	Option	I4	0~10K Ω	T4	0~200 $^{\circ}$ C	L4	1mV/V EX.10V			4	0~10V
I	2 Wire Resistor	V5	0~36V	A5	0~200mA			I5	0~100K Ω	T5	0~400 $^{\circ}$ C	L5	2mV/V EX.10V			O	Option
T	RTD (PT-100)	V6	0~300V	A6	4~20mA			IO	Option	T6	0~600 $^{\circ}$ C	L6	3mV/V EX.10V				
L	Load Cell	V7	0~600V	A7	0~2A					TO	Option	LO	Option				
2	2, 3 Wire Sensor	VO	Option	A8	0~5A												
4	4 Wire Sensor			AO	Option												

**1: 2 wire type offers excitation power DC24V for 2 wire (Loop Power) pressure, temperature, humidity sensors using.
2: 3.4 wire type offers excitation power DC24V for 3, 4 wire (Loop Power) pressure, temperature, humidity sensors using.
3: Load Cell type of excitation power DC5V can have 2 load cell in parallel; DC10V only can offer 1 load cell to use.

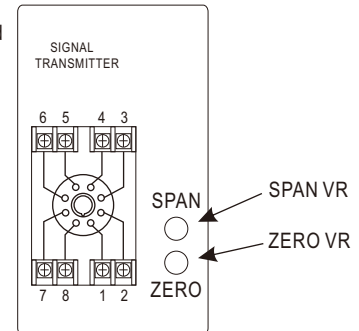
SPECIFICATION

- ◆ Accuracy: $\pm 0.1\%$ F.S. (DC / Potentiometer / Resistor / PT-100 / Load Cell)
 $\pm 0.2\%$ F.S. (AC)
- ◆ Zero Adjustment: $\leq \pm 5\%$ F.S.
- ◆ Span Adjustment: $\leq \pm 10\%$ F.S.
- ◆ Output Response Time: <250 msec (0~90%)
- ◆ Output Capability: Voltage Output: <20mA
Current Output: <10V
- ◆ Output Ripple: $\leq \pm 0.1\%$ F.S.
- ◆ Isolation: Input / Output / Power / Case
- ◆ Temperature Coefficient: 100ppm / $^{\circ}$ C (0~60 $^{\circ}$ C)
- ◆ Operating Temperature: 0~60 $^{\circ}$ C
- ◆ Operating Humidity: 20~90% RH (non-condensing)
- ◆ Storage Temperature: -10~70 $^{\circ}$ C
- ◆ Storage Humidity: 20~90% RH (non-condensing)
- ◆ Power Supply: AC/DC 100~240V, AC/DC 22~60V
- ◆ Surge Test: 2KVac / 1min
- ◆ Insulation Resistance: >100M Ω with 500Vdc
- ◆ Input Impedence: Voltage: >2V for 20K Ω / V; $\leq 2V$ for >200M Ω
Current: $\geq 0.2A$ at 100mV; <0.2A at 1V
- ◆ Installation: Socket / Plug in

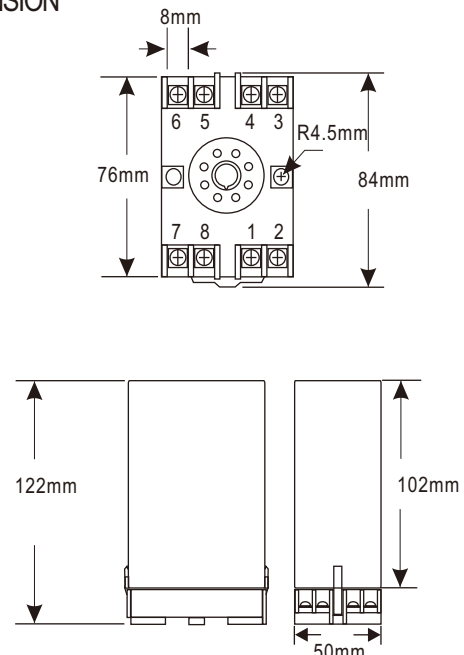
CALIBRATION

Steps:

1. Input the zero value and adjust the ZERO VR to the zero point.
2. Input the span value and adjust the SPAN VR to the span point.



DIMENSION



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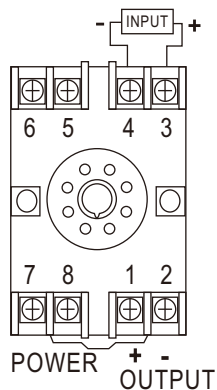
- Power Semiconductors
- Electrical Measurement
- Process Control

9B Lakewood Blvd
Braeside VIC 3195 Australia

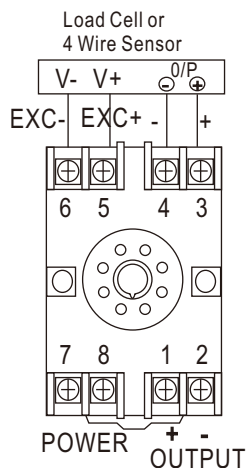
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■ WIRING CONNECTION

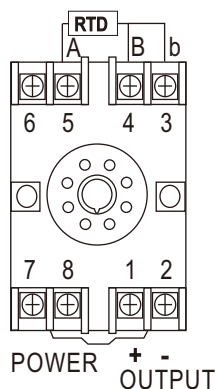
● Voltage, Current (AC, DC)



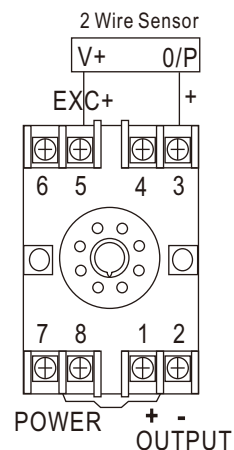
● 4 Wire Sensor or Load cell



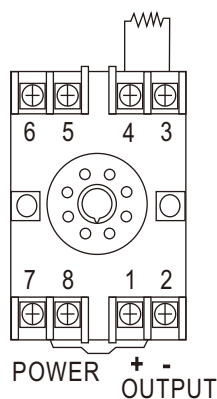
● Temperature (RTD)



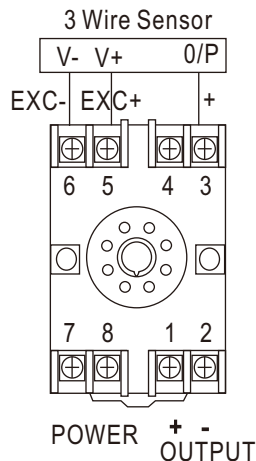
● 2 Wire Sensor



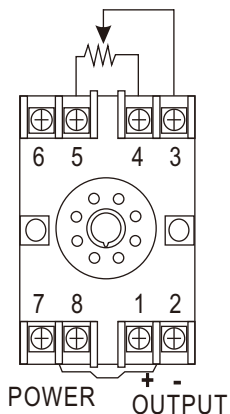
● 2 Wire Resistor



● 3 Wire Sensor



● 3 Wire Potentiometer



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