AT Series

Analog Signal Isolated Transmitter

CE

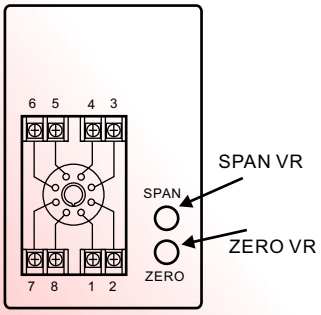
Features

- **Versatile Input selection : DC / AC / PT-100 / Potentiometer / Resistor / Load Cell**
- **Versatile output selection : 4~20mA, 0~20mA, 0~5V, 0~10V**
- **Accuracy : ± 0.1% F.S. (Others); ± 0.2% F.S. (AC)**
- **Surge test of AC 2000V / 1min between input / output / power**
- **High stability, non-flammable case (PC), high safety**

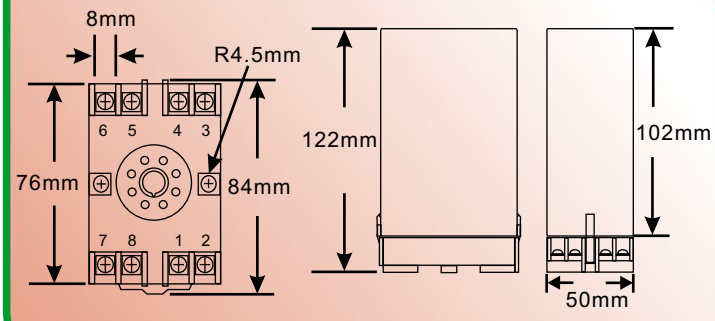
Calibration

STEPS:

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



Dimensions



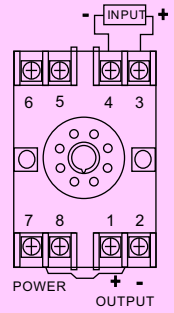
Specifications

- Input Selection : DC / AC / PT-100 / Potentiometer / Resistor / Load Cell
- Output Selection : 4~20mA, 0~20mA, 0~5V, 0~10V
- Accuracy : ±0.1% F.S. (Others)
  ±0.2% F.S. (AC)
- Zero Adjustment : ≦±5% F.S.
- Span Adjustment : ≦±10% F.S.
- Output Ripple : ≦± 0.1% F.S.
- Temperature Coefficient : 100ppm/ °C (0 °C ~ 60 °C)
- Output Response Time : ＜250 msec (0~90%)
- Isolation : Input / Output / Power / Case
- Insulation Resistance : ＞100MΩ with 500Vdc
- Surge Test : 2KVac/1min
- Input Impendence :
  Voltage : ＞2V for 20KΩ/V; ≦2V for ＞200MΩ
  Current : ≧0.2A at 100mV; ＜0.2A at 1V
- Output Capability : Voltage Output : ＜10V
  Current Output : ＜20mA
- Operating Temperature : 0 °C ~ 60 °C
- Operating Humidity : 20~90% RH, non-condensing
- Storage Temperature : -10 °C ~ 70 °C
- Storage Humidity : 20~90% RH, non-condensing
- Installation : Socket / Plug-in

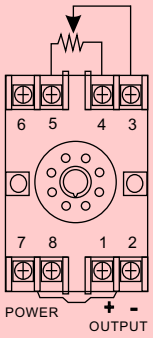
Note

Wiring Connection

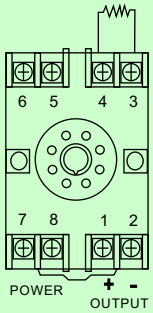
● Voltage (V), Current (A)(AC, DC)



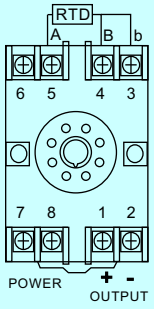
● 3 Wire Potentiometer



● 2 Wire Resistor



● Temperature (RTD)



Ordering Information

AT - Code 1 Code 2 - Code 3 - Code 4

Code 1	Input Type
D	DC
A	AC AVG
M	AC TRMS
P	3 Wire Potentiometer
I	2 Wire Resistor
T	RTD (PT-100)
L	Load Cell
2	2,3 Wire Sensor
4	4 Wire Sensor

Code 2	Type	Range
V1	Voltage	0~50mV
V2		0~5V
V3		1~5V
V4		0~10V
V5		0~36V
V6		0~300V
V7		0~600V
VO		Option
A1	Current	0~20μA
A2		0~200μA
A3		0~2mA
A4		0~20mA
A5		0~200mA
A6		4~20mA
A7		0~2A
A8		0~5A
AO		Option
P1	Potentiometer	500Ω~10KΩ
P2		10KΩ~100KΩ
P3		100KΩ~1MΩ
PO		Option
I1	Resistor	0~10Ω
I2		0~100Ω
I3		0~1KΩ
I4		0~10KΩ
I5		0~100KΩ
IO		Option
T1	RTD (PT-100)	-50~50℃
T2		0~50℃
T3		0~100℃
T4		0~200℃
T5		0~400℃
T6		0~600℃
TO		Option

Code 2	Load Cell
L1	1mV/V EX.5V
L2	2mV/V EX.5V
L3	3mV/ V EX. 5V
L4	1mV/ V EX. 10V
L5	2mV/ V EX. 10V
L6	3mV/ V EX. 10V
LO	Option

Code 3	Aux. Power
A	AC/DC 100~240V
D	AC/DC 24~60V

Code 4	Analog Output
1	4~20mA
2	0~20mA
3	0~5V
4	0~10V
O	Option

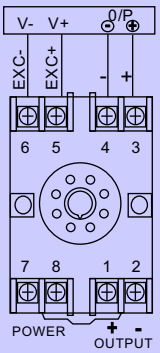
➤1 : 2 wire type offers excitation power DC 24V for 2 wire (Loop Power) pressure, temperature, humidity sensors using.

➤2 : 3.4 wire type offers excitation power DC 24V for 3, 4 wire (Loop power) pressure, temperature, humidity sensors using.

➤3 : Load Cell type of excitation power DC 5V can have 2 load cell in parallel; 10Vdc only can offer 1 load cell to use.

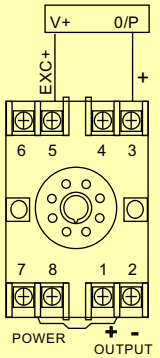
● 4 Wire Sensor Or Load Cell

Load Cell or 4 Wire Sensor



● 2 Wire Sensor

Sensor



● 3 Wire Sensor

Sensor