

5 DIGITAL MICROPROCESS SIGNAL ISOLATED TRANSMITTER

ATM-A

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)
- High brightness 0.4" LED display range: -19999~99999; decimal point selectable
- Surge test of AC 2000V / min between input / output / power
- High stability, non-flammable case (PC), high safety



ORDER INFORMATION: ATM-A- [Code 1] [Code 2] - [Code 3] - [Code 4]

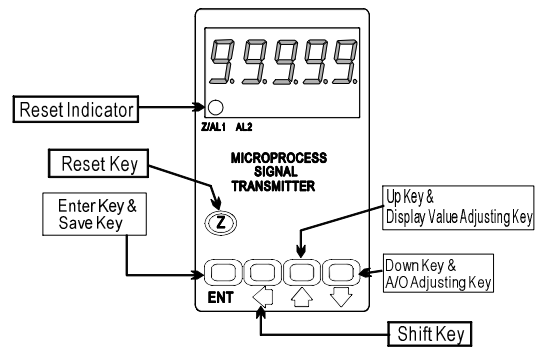
Code 1 Input Type	Code 2 Voltage	Code 2 Current	Code 2 Potentiometer	Code 2 Resistor	Code 2 RTD (PT-100)	Code 2 Load Cell	Code 3 Aux. Power	Code 4 Analog Output
D DC	V1 0~50mV	A1 0~20uA	P1 500 Ω ~10K Ω	I1 0~10 Ω	T1 -50~50 $^{\circ}$ C	L1 1mV/V EX.5V	A AC 110V	1 4~20mA
A AC AVG	V2 0~5V	A2 0~200uA	P2 10K Ω ~100K Ω	I2 0~100 Ω	T2 0~50 $^{\circ}$ C	L2 2mV/V EX.5V	B AC 220V	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	C DC 24V	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	AO Option			TO Option	LO Option		
2 2, 3 Wire Sensor	VO Option							
4 4 Wire Sensor								

**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.

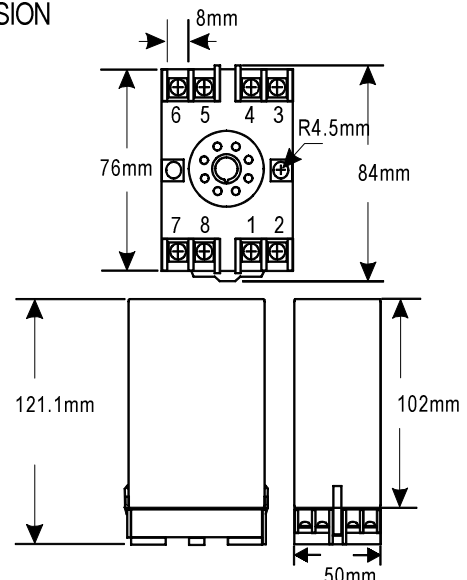
SPECIFICATION

- ◆ Accuracy: $\pm 0.1\%$ F.S. (DC / Potentiometer / Resistor / PT-100 / Load Cell)
 $\pm 0.2\%$ F.S. (AC)
- ◆ Display Screen: High brightness red LED; 10.16mm (0.4")
- ◆ Display Range: -19999~99999
- ◆ Zero Adjustment: ± 9999
- ◆ Span Adjustment: ± 9999
- ◆ Over Range Indication: doFL / ioFL or -doFL / -ioFL
- ◆ Polarity Indication: Automatic with "-" indication
- ◆ Parameters Setting: Push buttons
- ◆ Back Up Memory: EEPROM
- ◆ Analog Output Resolution: 15 bit
- ◆ 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 110V, AC 220V
- ◆ 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

FRONT PANEL & KEY FUNCTIONS

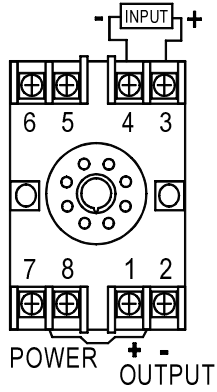


DIMENSION

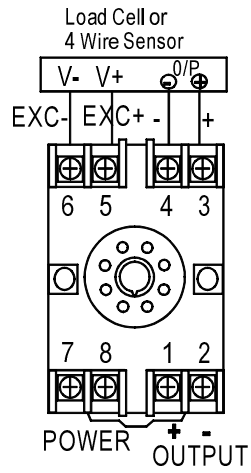


■ WIRING CONNECTION

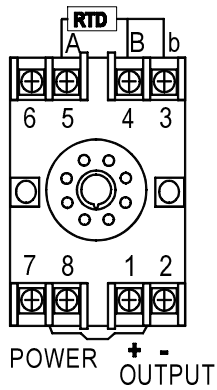
- Voltage, Current (AC, DC)



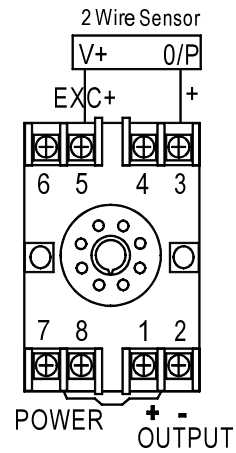
- 4 Wire Sensor or Load cell



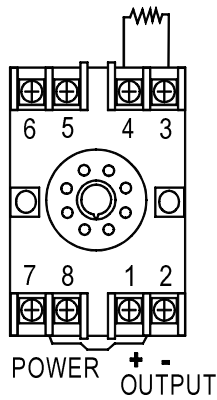
- Temperature (RTD)



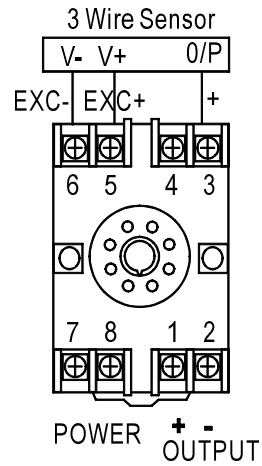
- 2 Wire Sensor



- 2 Wire Resistor



- 3 Wire Sensor



- 3 Wire Potentiometer

