

5-Digit, Microprocessor-based Transmitter

Analogue input -- Isolated -- for General Use

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]

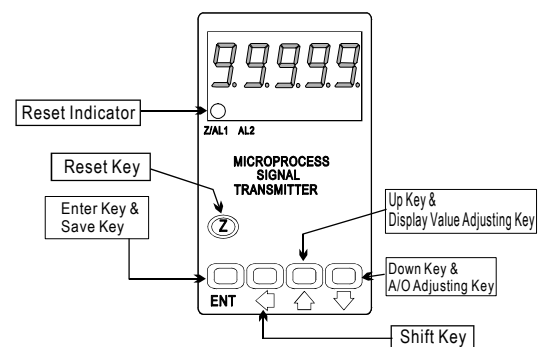
Code 1	Input Type	Code 2	Voltage	Code 2	Current	Code 2	Potentiometer	Code 2	Resistor	Code 2	RTD (PT-100)	Code 2	Load Cell	Code 3	Aux. Power	Code 4	Analog Output
D	DC	V1	0~50mV	A1	0~20uA	P1	500 Ω ~10K Ω	I1	0~10 Ω	T1	-50~50 $^{\circ}$ C	L1	1mV/V EX.5V	A	AC 110V	1	4~20mA
A	AC AVG	V2	0~5V	A2	0~200uA	P2	10K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

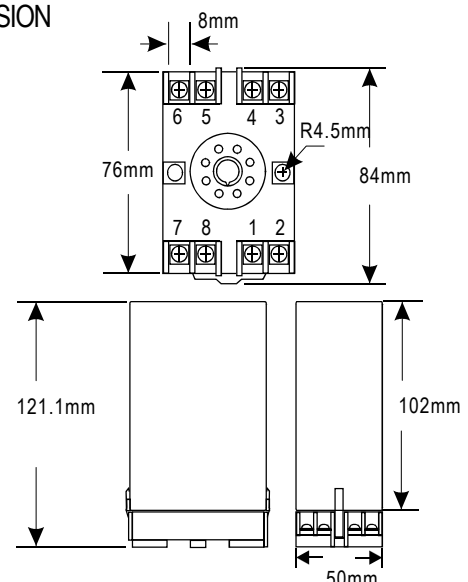
SPECIFICATION

- ◆ 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

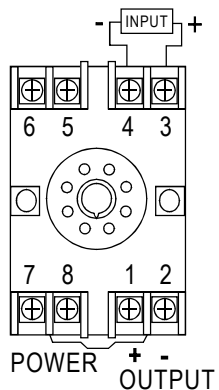


DIMENSION

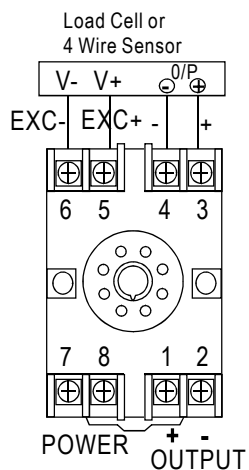


■ WIRING CONNECTION

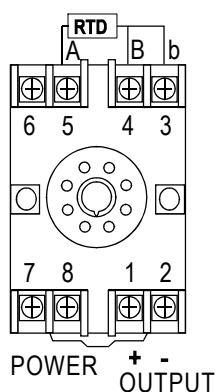
● Voltage, Current (AC, DC)



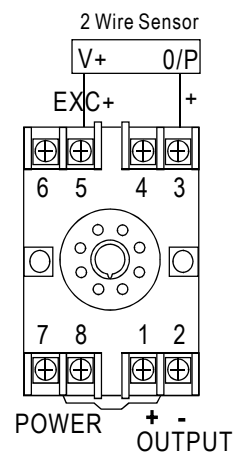
● 4 Wire Sensor or Load cell



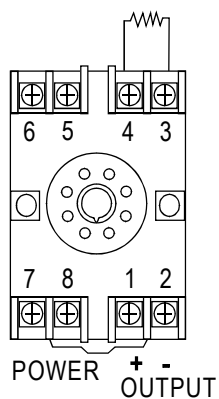
● Temperature (RTD)



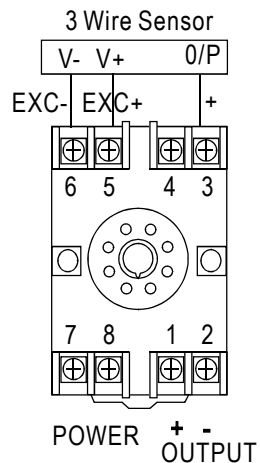
● 2 Wire Sensor



● 2 Wire Resistor



● 3 Wire Sensor



● 3 Wire Potentiometer

