



Bridging the Gap between Real World and Computer

ATM-A Series



5 Digit Micro Processor Signal Isolated Transmitter

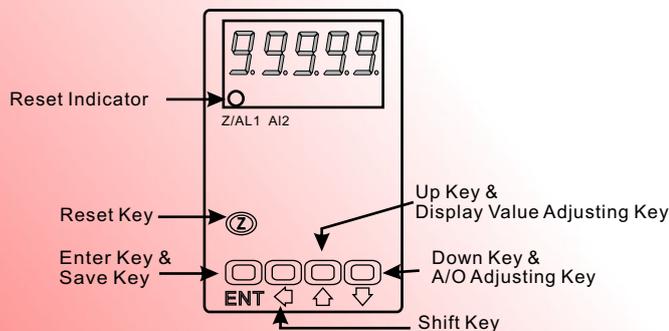
Features

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

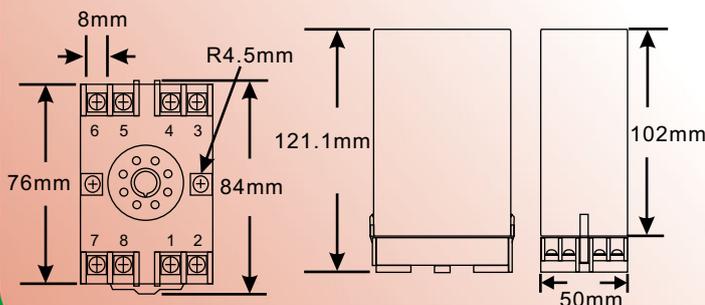
Specifications

- ▶ Input Selection : DC / AC / PT-100 / Potentiometer / Resistor / Load Cell
- ▶ Output Selection : 4~20mA, 0~20mA, 0~5V, 0~10V
- ▶ Accuracy : $\pm 0.1\%$ F.S. (Others); $\pm 0.2\%$ F.S. (AC)
- ▶ Display Screen : High brightness red LED; 10.16mm(0.4")
- ▶ Display Range : -19999~99999
- ▶ Zero Adjustment : ± 9999 ; Span Adjustment : ± 9999
- ▶ Parameters Setting : Push buttons
- ▶ Back Up Memory : EEPROM
- ▶ Over Range Indication : doFL/ioFL or -doFL/-ioFL
- ▶ Analog Output Resolution : 15-bit
- ▶ Output Ripple : $\leq \pm 0.1\%$ F.S.
- ▶ Output Response Time : < 250 msec (0~90%)
- ▶ Output Capability : Voltage Output : $< 10V$
Current Output : $< 20mA$
- ▶ Isolation : Input / Output / Power / Case
- ▶ Insulation Resistance : $> 100M\Omega$ with 500Vdc
- ▶ Surge Test : 2KVac/1min
- ▶ Input Impedence : Current : $\geq 0.2A$ at 100mV; $< 0.2A$ at 1V
Voltage : $> 2V$ for 20K Ω/V ; $\leq 2V$ for $> 200M\Omega$
- ▶ Temperature Coefficient : 100ppm/ $^{\circ}C$ (0 $^{\circ}C$ ~ 60 $^{\circ}C$)
- ▶ Operating Temperature : 0 $^{\circ}C$ ~ 60 $^{\circ}C$
- ▶ Operating Humidity : 20~90% RH, non-condensing
- ▶ Storage Temperature : -10 $^{\circ}C$ ~ 70 $^{\circ}C$
- ▶ Storage Humidity : 20~90% RH, non-condensing
- ▶ Power requirement : AC 110V, AC 220V
- ▶ Installation : Socket / Plug-in

Front Panel & Key Functions



Dimensions

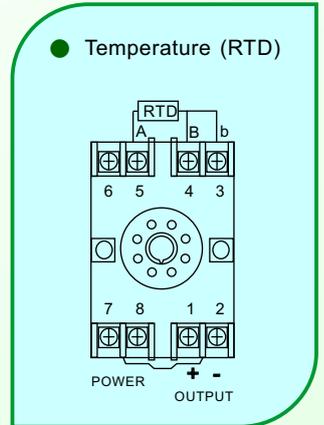
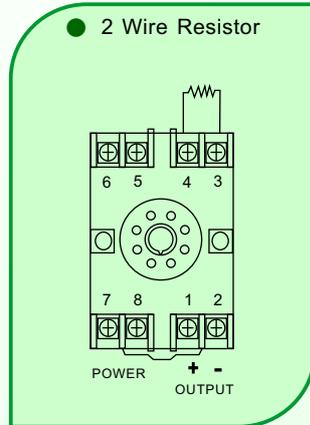
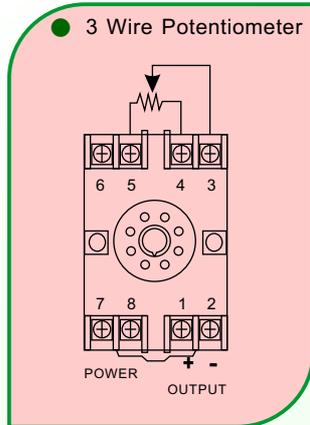
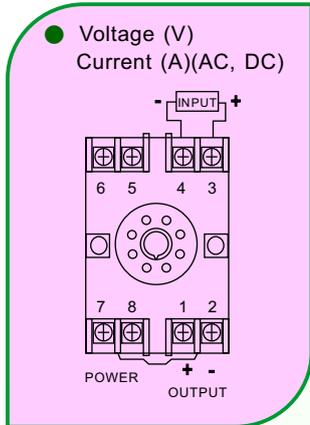


Note



Bridging the Gap between Real World and Computer

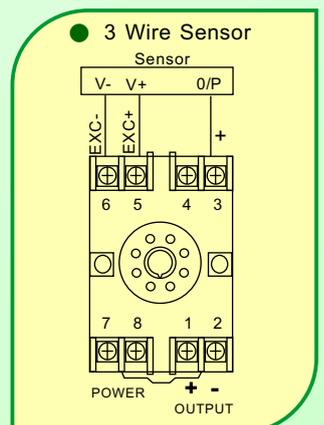
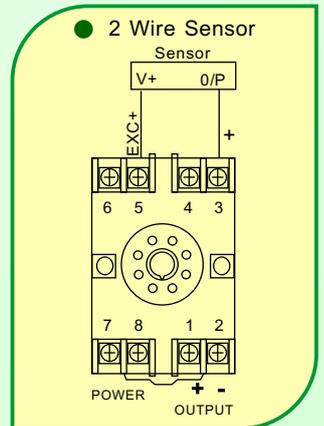
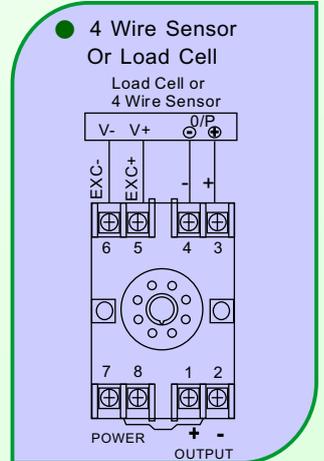
Wiring Connection



Ordering Information

ATM-A - Code 1 - Code 2 - Code 3 - Code 4

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



- 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.