



Bridging the Gap between Real World and Computer

ATM-A Series



5 Digit Micro Processor Signal Isolated Transmitter

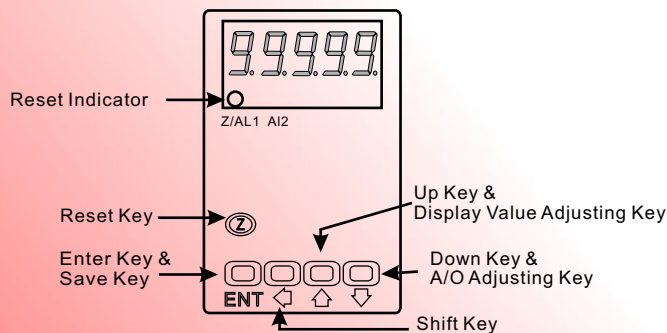
Features

- ▶ 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

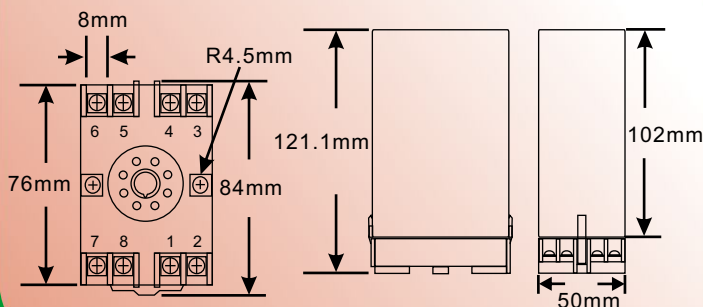
Specifications

- ▶ 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



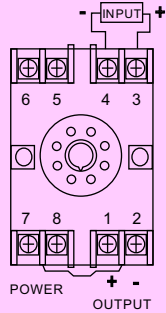
Note



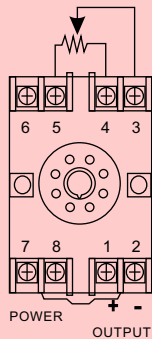
Bridging the Gap between Real World and Computer

Wiring Connection

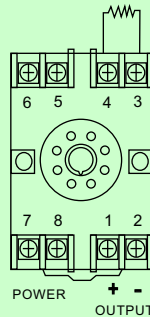
- Voltage (V)
Current (A)(AC, DC)



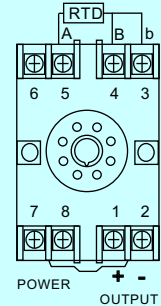
- 3 Wire Potentiometer



- 2 Wire Resistor



- Temperature (RTD)

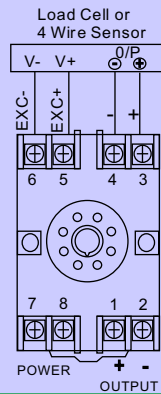


Ordering Information

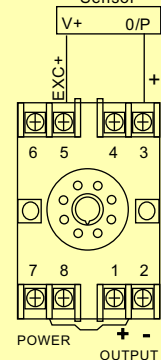
ATM-A - Code 1 - Code 2 - Code 3 - Code 4

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	
		V7	0~600V	L0	Option					
		VO	Option							
M	AC TRMS	A1	Current	0~20μA	P1	500Ω~10KΩ	O	Option		
		A2		0~200μA						
		A3		0~2mA						
		A4		0~20mA						
		A5		0~200mA						
P	3 Wire Potentiometer	A6	4~20mA	P2	10KΩ~100KΩ					
		AO	Option		P3	100KΩ~1MΩ				
I	2 Wire Resistor	PO	Option	I1		0~10Ω				
		I1	0~10Ω		I2	0~100Ω				
		I2	0~100Ω			I3	0~1KΩ			
T	RTD (PT-100)	I3	Resistor	0~1KΩ	I4		0~10KΩ			
		I4		0~10KΩ		I5	0~100KΩ			
		I5		0~100KΩ			IO	Option		
		IO		Option		T1		-50~50°C		
		T1		-50~50°C			T2	0~50°C		
T2	0~50°C	T3	0~100°C							
T3	0~100°C		T4	0~200°C						
T4	0~200°C	T5		0~400°C						
T5	0~400°C		T6	0~600°C						
T6	0~600°C	TO		Option						
T6	0~600°C		TO	Option						
L	Load Cell	TO		Option						
2	2,3 Wire Sensor									
4	4 Wire Sensor									

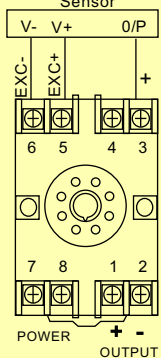
- 4 Wire Sensor Or Load Cell



- 2 Wire Sensor



- 3 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.