ATM-R Series

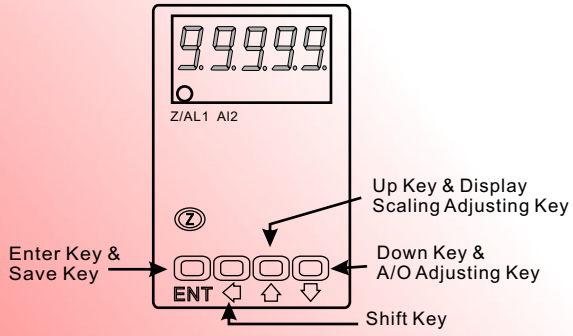
5 Digit Micro Processor RPM / Line-Speed / Frequency Isolated Transmitter

CE

Features

- Versatile Input frequency : 0.001Hz~100KHz
- Versatile output selection :
  4~20mA, 0~20mA, 0~5V, 0~10V
- Accuracy : Analog output : ± 0.1% F.S.
  Display : ± 0.03% F.S.
- Measuring AC frequency, DC pulse, magnetic; input frequency : 0.001Hz~100KHz
- Line-Speed / RPM / Frequency selectable
- Line unit : M, Ft, Y/min selectable
- RPM pulse input programmable : 1~99999

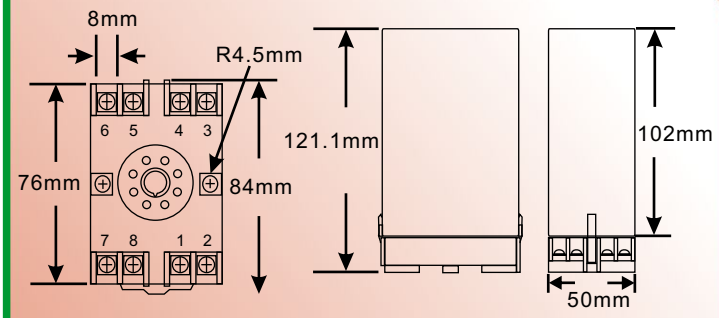
Front Panel & Key Functions



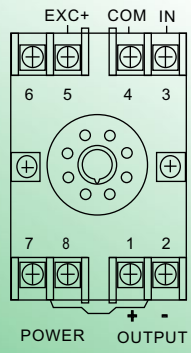
Specifications

- Input Frequency : 0.001Hz~100KHz
- Output Selection : 4~20mA, 0~20mA, 0~5V, 0~10V
- Accuracy : Analog output : ±0.1% F.S.
  Display : ±0.03% F.S.
- Display Screen : High brightness red LED; 10.16mm(0.4")
- Display Range : -19999~99999, decimal point selectable
- Zero Adjustment : ±9999
- Span Adjustment : ±9999
- Parameters Setting : Push buttons
- Back Up Memory : EEPROM
- Over Range Indication : doFL/ioFL
- Analog Output Resolution : 15-bit
- 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
- Power requirement : 110Vac, 220Vac
- Installation : Socket / Plug-in

Dimensions



Wiring Connection



Ordering Information

ATM-R - Code 1 Code 2 - Code 3 - Code 4

Code 1	Input Signal	Code 1	Input Signal
N5	NPN(5V)	VB	AC 60~600V
N2	NPN(12V)	VC	Pick-up 500mV~1.5V
P5	PNP(5V)	VD	Pick-up 500mV~15V
P2	PNP(12V)	VE	DC 24Vp
CT	Contact	O	Option
VA	AC 2~60V		

Code 2	Display Unit
H	Hz
R	RPM
M	M/min
Y	Y/min
F	F/min

Code 3	Aux. Power
A	AC/DC 100~240V
D	AC/DC 22~60V
O	Option

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

- 1 : NPN(5V), PNP(5V) offers excitation power DC 5V; NPN(12V), PNP(12V) offers excitation power DC 12V for sensors using.
- 2 : Please use PNP/NPN (5V/12V) or DC 24Vp for DC pulse input.