

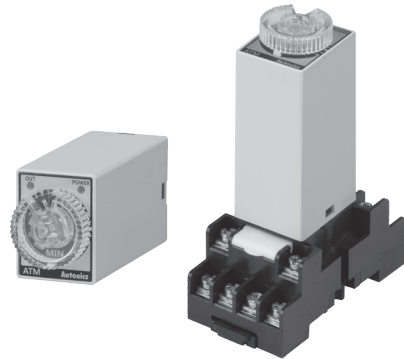
ATM Series

W21.5×H28mm Miniature Timer

NEW

■ Features

- Miniature Size (W21.5×H28×D58mm)
- 4c (4PDT) contact (250VAC, 3A)
- High precise time control
- Easy time setting using dial
- Various time ranges: 0.1 sec to 3 hour
(11 time ranges, different by models)
- Power supply
 - ATM4-2: 24VDC
 - ATM4-5: 220VAC 50/60Hz
 - ATM4-6: 110VAC 50/60Hz



Mounting My socket
(sold separately)

■ Ordering Information

ATM	4	—	5	10	S		
Item							
Output						4	4c (4PDT)
Power supply						5	220VAC 50/60Hz
Time range						2	24VDC
Time unit						6	110VAC 50/60Hz
						S	Sec. (1, 5, 10, 30, 60)
						M	Min. (3, 5, 10, 30, 60)
						H	Time (3)
						Number	Max. time range
						2	24VDC
						5	220VAC 50/60Hz
						6	110VAC 50/60Hz
						4	4c (4PDT)
						ATM	Miniature Analog Timer

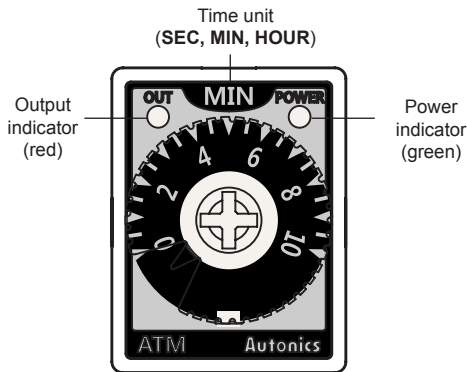
■ Specifications

Model	ATM4 - 2S 2M 23H	ATM4 - 5S 5M 53H	ATM4 - 6S 6M 63H
Function	Power ON Delay		
Control time setting range	sec (1, 5, 10, 30, 60), min (3, 5, 10, 30, 60), hour (3)		
Power supply	24VDC	220VAC 50/60Hz	110VAC 50/60Hz
Allowable voltage range	21.6 to 26.4VDC	200-230VAC 50/60Hz	100-120VAC 50/60Hz
Power consumption	Approx. 1.2W	Approx. 3VA	Approx. 3VA
Reset time	Max. 100ms		
Time operation	Power ON Start type		
Control output	Contact type	4PDT (4c)	
	Contact capacity	250VAC 3A resistive load	
Relay life cycle	Mechanical	Min. 10,000,000 operations	
	Electrical	Min. 200,000 operations	
Repeat error	Max. ±0.5% ±10ms		
SET error	Max. ±10% ±50ms		
Voltage error	Max. ±0.5% ±10ms		
Temperature error	Max. ±2% ±10ms		
Insulation resistance	100MΩ (at 500VDC megger)		
Dielectric strength	3,000VAC 50/60Hz for 1 min.		
Noise	±2kV the square wave noise (pulse width: 1μs) by noise simulator		
Vibration	Mechanical	0.75mm amplitude at frequency of 10 to 55Hz (for 1 min.) in each X, Y, Z direction for 1 hour	
	Electrical	0.5mm amplitude at frequency of 10 to 55Hz (for 1 min.) in each X, Y, Z direction for 10 min.	
Shock	Mechanical	300m/s ² (approx. 30G) in each X, Y, Z direction 3 times	
	Electrical	100m/s ² (approx. 10G) in each X, Y, Z direction 3 times	
Environment	Ambient temperature	-10 to 50°C, storage: -25 to 65°C	
	Ambient humidity	35 to 85%RH, storage: 35 to 85%RH	
Weight*1	Approx. 48g (approx. 42g)		

*1: The weight includes packaging. The weight in parentheses is for unit only.

※Environment resistance is rated at no freezing or condensation.

Unit Descriptions

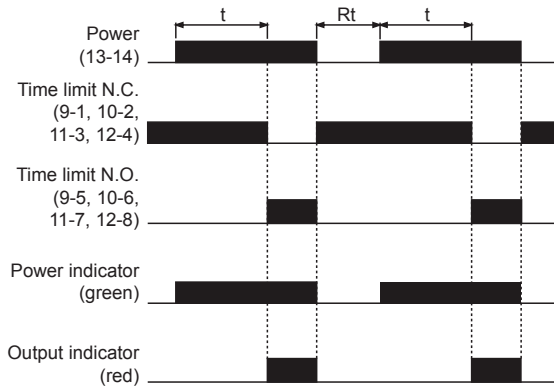


Time Specifications

Model	Time unit	Set time range
ATM4-□1S	SEC	0.1 to 1sec
ATM4-□5S		0.5 to 5sec
ATM4-□10S		1 to 10sec
ATM4-□30S		3 to 30sec
ATM4-□60S	MIN	6 to 60sec
ATM4-□3M		0.3 to 3min
ATM4-□5M		0.5 to 5min
ATM4-□10M		1 to 10min
ATM4-□30M	MIN	3 to 30min
ATM4-□60M		6 to 60min
ATM4-□3H		HOUR

Operation specifications

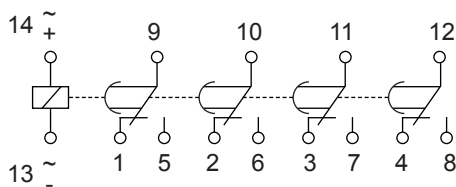
t : setting time, R_t : return time



Connections

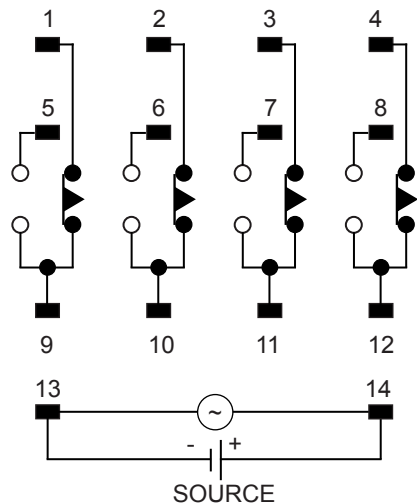
SOURCE	ATM4-2□□	24VDC 1.2W
	ATM4-5□□	200-230VAC 50/60Hz 3VA
	ATM4-6□□	100-120VAC 50/60Hz 3VA
CONTACT	250VAC 3A RESISTIVE LOAD	

IEC marking



※IEC marking is on the unit.

NEMA marking



(A) Photoelectric Sensors

(B) Fiber Optic Sensors

(C) Door/Area Sensors

(D) Proximity Sensors

(E) Pressure Sensors

(F) Rotary Encoders

(G) Connectors/Sockets

(H) Temperature Controllers

(I) SSRs / Power Controllers

(J) Counters

(K) Timers

(L) Panel Meters

(M) Tacho / Speed / Pulse Meters

(N) Display Units

(O) Sensor Controllers

(P) Switching Mode Power Supplies

(Q) Stepper Motors & Drivers & Controllers

(R) Graphic/Logic Panels

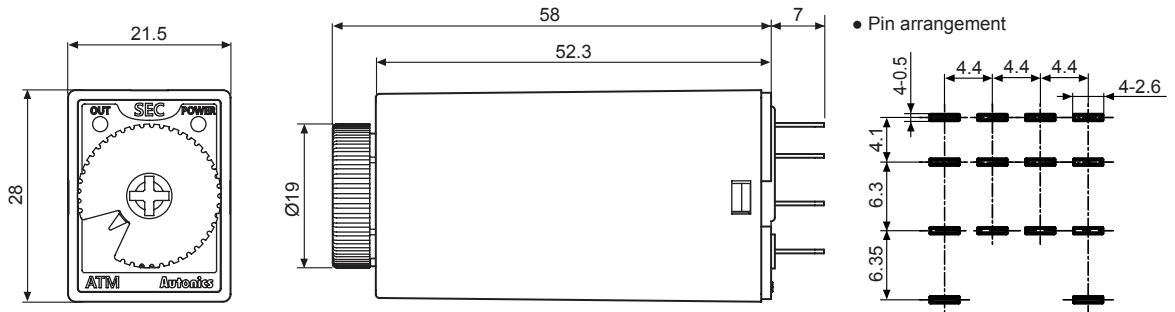
(S) Field Network Devices

(T) Software

ATM Series

■ Dimensions

(unit: mm)



※Use My socket which is commercially available.

■ Proper Usage

- For DC power supply type, be sure to check the polarity of terminals.
- Please supply power quickly at once with using switch or relay contact. Otherwise it may cause time error or power reset failure.
- When supplying the power to the timer, connection shown in (Fig. 1) might cause malfunction due to leakage current through R and C. Please connect R and C as shown in (Fig. 2) to prevent malfunction.
- Do not use this unit at below places.
 - Place where temperature or humidity is out of the rated specifications.
 - Place where there is condensation by temperature changes.
 - Place where there is flammable gas or corrosive gas.
 - Place where there is dust, oil or severe vibration or impact.
 - Place where strong alkalis or acids is used.

