Single Time Range Timer

DIN W48×H48mm Solid State ON Delay Timer

Features

- DIN W48×H48mm
- Easy and simple time setting
- Cost-effective
- Easy time setting
- Wide range of time
- Power supply
- ATE: 110/220VAC 50/60Hz
- ATE1, ATE2: 110VAC, 220VAC 50/60Hz,

12VDC, 24VDC

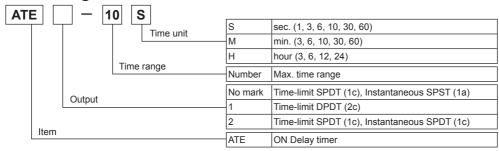
Please read "Caution for your safety" in operation manual before using.







Ordering Information



Specifications

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Model Function		ATE - S	ATE1 - S	ATE2 – S	
		□M □H	□M □H	□M □H	
		Power ON Delay	_п	⊔п	
Control time setting range		sec. (1, 3, 6, 10, 30, 60), min. (3, 6, 10, 30, 60), hour (3, 6, 12, 24)			
Power supply		110/220VAC 50/60Hz 110VAC, 220VAC 50/60Hz, 12VDC, 24VDC			
Allowable voltage range		90 to 110% of rated voltage			
Power consumption		Max. 10VA (110/220VAC 50/60Hz), Max. 2W (24VDC, 12VDC)			
Reset time		Max. 200ms			
Timing operation		Power ON start type			
Control output	Contact type	Time limit SPDT (1c), Instantaneous SPST (1a)	Time limit DPDT (2c)	Time limit SPDT (1c), Instantaneous SPDT (1c)	
	Contact capacity	250VAC 3A resistive load			
Relay life cycle	Mechanical	Min. 10,000,000 operations			
	Electrical	Min. 100,000 operations (250VAC 3A resistive load)			
Repeat error		Max. ±0.3%			
SET error		Max. ±5% ±0.05sec.			
Voltage error		Max. ±0.5%			
Temperature error		Max. ±2%			
Insulation resistance		100MΩ (at 500VDC megger)			
Dielectric strength		2000VAC 50/60Hz for 1 minute			
Noise strength		±2kV the square wave noise (pulse width: 1μs) by the noise simulator			
Vibration	Mechanical	0.75mm amplitude at frequency of 10 to 55Hz (for 1 min.) in each X, Y, Z direction for 1 hours			
	Malfunction	0.5mm amplitude at frequency of 10 to 55Hz (for 1 min.) in each X, Y, Z direction for 10 min.			
Shock	Mechanical	300m/s² (approx. 30G) in each X, Y, Z direction for 3 times			
	Malfunction	100m/s² (approx. 10G) in each X, Y, Z direction for 3 times			
Environment	Ambient temperature	-10 to 55°C, storage: -25 to 65°C			
	Ambient humidity	35 to 80%RH			
Unit weight		Approx. 75g			

XEnvironment resistance is rated at no freezing or condensation.

(A) Photoelectric Sensors

(C) Door/Area Sensors

(D) Proximity Sensors

(E) Pressure Sensors

(F) Rotary Encoders

(H) Temperature Controllers

(I) SSRs / Power Controllers

(K) Timers

(M) Tacho / Speed / Pulse Meters

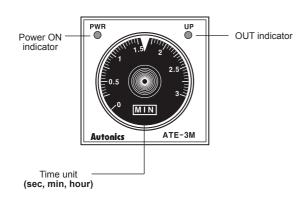
(P) Switching Mode Power Supplies

(Q) Stepper Motors

(R) Graphic/ Logic Panels

K-75 **Autonics**

Unit Description

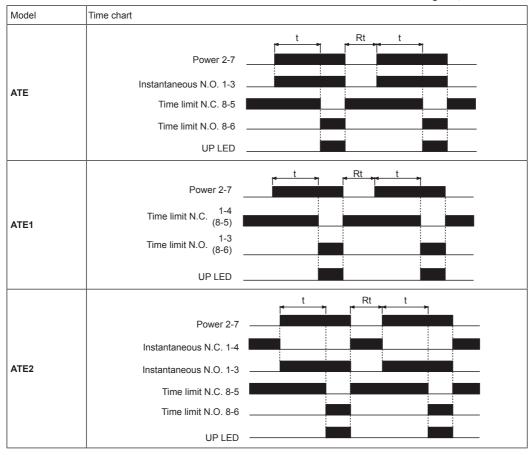


■ Time setting range

	<u> </u>
Max. setting time	Setting range
1sec	0 to 1sec
3sec	0 to 3sec
6sec	0 to 6sec
10sec	0 to 10sec
30sec	0 to 30sec
60sec	0 to 60sec
3min	0 to 3min
6min	0 to 6min
10min	0 to 10min
30min	0 to 30min
60min	0 to 60min
3hour	0 to 3hour
6hour	0 to 6hour
12hour	0 to 12hour
24hour	0 to 24hour

■ Output Operation Mode

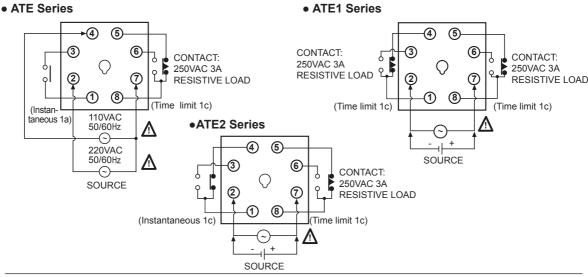
t: Setting time, Rt: Reset time



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Single Time Range Timer

Connections

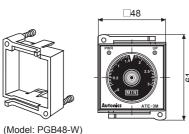


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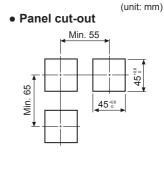
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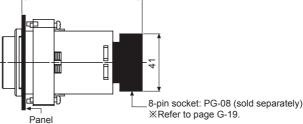


Bracket (sold separately)



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■ Proper Usage

© Environment

Please avoid the following places:

- Place where the unit may be damaged by strong impact or vibration.
- Place where corrosive gas or flammable gas and water, oil, dust exist.
- Place where magnetic and electrical noise occur.
- Place where high temperature and humidity is beyond rated specification.
- Place where there is strong alkalis and acids.
- Place where there is direct ray of sun.

O Noise

- We test 2kV, Pulse width 1μs against Impulse voltage between power terminals and 1kV, Pulse width 1μs at noise simulator against external noise voltage. Please install MP condenser (0.1 to 1μF) or oil condenser between power terminals when over impulse noise voltage occurs.
- When testing dielectric voltage and insulation resistance of the control panel with this unit installed.
- Please isolate this unit from the circuit of control panel.
- Please make all terminals of this unit short-circuited. (It prevents the damage of inner circuit.)

(A) Photoelectric Sensors

(B) Fiber Optic

> (C) Door/Area Sensors

> (D) Proximity Sensors

(E) Pressure Sensors

(F) Rotary Encoders

Connectors/ Sockets

(H) Temperature Controllers

(I) SSRs / Power Controllers

(J) Counters

(K) Timers

(L) Panel

(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 letwork

「) oftware

Autonics K-77