

Autonics

ANALOG TIMER
ATE/ATE1/ATE2

M A N U A L

Thank you very much for selecting Autonics products.
For your safety, please read the following before using.

Caution for your safety

*Please keep these instructions and review them before using this unit.

*Please observe the cautions that follow:

Warning Serious injury may result if instructions are not followed.

Caution Product may be damaged, or injury may result if instructions are not followed.

*The following is an explanation of the symbols used in the operation manual.
 ⚠ caution: Injury or danger may occur under special conditions.

Warning

- In case of using this unit with machineries(Nuclear power control, medical equipment, vehicle, train, airplane, combustion apparatus, entertainment or safety device etc), it requires installing fail-safe device, or contact us for information required.**
It may result in serious damage, fire or human injury
- The unit must be mounted on panel.**
It may give an electric shock.
- Do not connect terminals when it is power on.**
It may give an electric shock.
- Do not disassemble and modify this unit, when it requires. If needs, please contact us.**
It may give an electric shock and cause a fire.

Caution

- This unit shall not be used outdoors.**
It might shorten the life cycle of the product or give an electric shock.
- Please observe specification rating.**
It might shorten the life cycle of the product and cause a fire.
- Do not use the load beyond rated switching capacity of Relay contact.**
It may cause insulation failure, contact melt, contact failure, relay broken, fire etc.
- In cleaning the unit, do not use water or an organic solvents.**
It might cause an electric shock or fire that will result in damage to the product.
- Do not use this unit at place where there are flammable or explosive gas, humidity, direct ray of the sun, radiant heat, vibration, impact etc.**
It may cause a fire or mechanical trouble.
- Do not inflow dust or wire dregs into inside of this unit.**
It may cause a fire of mechanical trouble.

Dimensions

●Panel cut-out

(Unit:mm)

* The above specification are changeable without notice anytime.

Specifications

Model	ATE - s m h	ATE1 - s m h	ATE2 - s m h
Function	POWER ON DELAY		
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	110/220VAC 50/60Hz, 12VDC, 24VDC(Option)	
Allowable voltage range	90 to 110% of rated voltage		
Power consumption	Min. 10VA(240VAC 60Hz), Min. 2W(DC option)		
Return time	Max. 200ms		
Control output	Contact	Type	Time-limit contact SPDT(1c) Instantaneous SPST(1a)
	Capacity		250VAC 3A resistive load
Repeat error	Max. ±0.3%		
Setting error	Max. ±5% ±0.05sec.		
Voltage error	Max. ±0.5%		
Temperature error	Max. ±2%		
Ambient temperature	-10 to 55°C (at non-freezing status)		
Storage temperature	-25 to 65°C (at non-freezing status)		
Ambient humidity	35 to 85%RH		
Relay life cycle	Relay	Mechanical	Min. 10,000,000 times
		Electrical	Min. 100,000 times(250VAC 3A resistive load)
Weight	Approx. 100g		

Connections

●ATE Series(Time-limit contact 1C, Instantaneous 1a) ●ATE1 Series(Time-limit contact 2C) ●ATE2 Series(Time-limit contact 1C, Instantaneous 1c)

Operation mode

t:Setting time, Rt:Return time

Model	Time chart
ATE	
ATE1	
ATE2	

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