

W 38 × H 42 mm Analog Timers



ATS Series CATALOG

For your safety, read and follow the considerations written in the instruction manual, other manuals and Autonics website.

The specifications, dimensions, etc. are subject to change without notice for product improvement. Some models may be discontinued without notice.

Features

- Wide power supply range
: 100 - 240 VAC~ 50 / 60 Hz, 24 - 240 VDC≐ / 24 VAC~ 50 / 60 Hz, 24 VDC≐ / 12 VDC≐
- Various output operations (6 operation modes)
- Multi time range (12 types of time range)
- Wide time setting range (0.1 sec to 30 hour)
- Close and DIN rail mounting with the dedicated socket (PS-M8) width 41 mm (ATS8)
- Easy mounting and installation / maintenance with the dedicated bracket for DIN 48 × 48 mm

Ordering Information

This is only for reference, the actual product does not support all combinations. For selecting the specified model, follow the Autonics website.

ATS ① - ② ③ ④

① Plug type

8: 8-pin plug
11: 11-pin plug

② Power supply

1: 12 VDC≐
2: 24 VAC~ 50 / 60 Hz, 24 VDC≐
4: 100 - 240 VAC~ 50 / 60 Hz, 24 - 240 VDC≐

③ Time range

1: 0.1 to 1
3: 0.3 to 3

④ Output

No mark: Time limit DPDT (2c),
Time limit SPDT (1c) + Instantaneous SPDT (1c)
D: Time limit DPDT (2c)
E: Time limit SPDT (1c) + Instantaneous SPDT (1c)

Product Components

- Product (+ bracket)
- Instruction manual

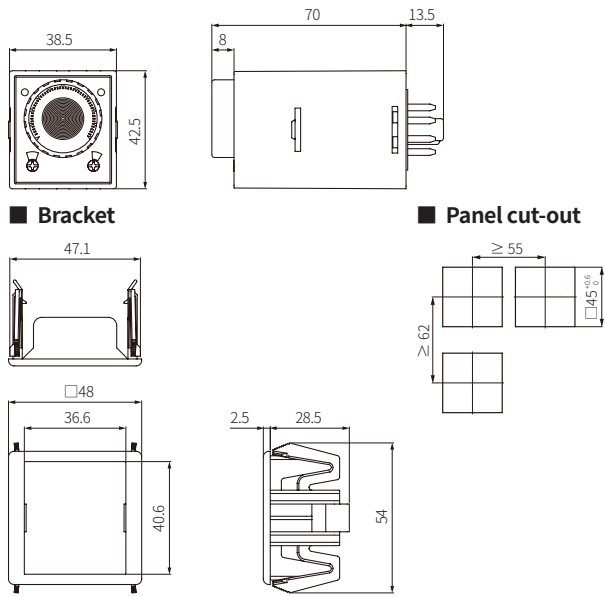
Specifications

Model	ATS8-□□□	ATS11-□□□D	ATS11-□□□E
Function	Multi Function Timer		
Return time	≤ 100 ms		
Time operation	Power ON Start	Signal ON Start	
Input	-	START, INHIBIT, RESET	
Min. signal width	-	≈ 50ms	
No-voltage input	-	Short-circuit impedance: ≤ 1 kΩ Short-circuit residual voltage: ≤ 0.5 VDC≐ Open-circuit impedance: ≥ 100 kΩ	
Control output	Relay		
Contact type	Time limit DPDT (2c), Instantaneous SPDT (1c) + Time limit SPDT (1c)	Time limit DPDT (2c)	Instantaneous SPDT (1c) + Time limit SPDT (1c)
Contact capacity	250 VAC~ 3 A, 30 VDC≐ 3 A resistive load	250 VAC~ 3 A, 24 VDC≐ 3 A resistive load	
Error	Repeat: ≤ ± 0.2% ± 10 ms SET: ≤ ± 5% ± 50 ms Voltage: ≤ ± 0.5% Temp.: ≤ ± 2%		
Approval	CE, RoHS, ENEC		
Unit weight (packaged)	≈ 70 g (≈ 95 g)		

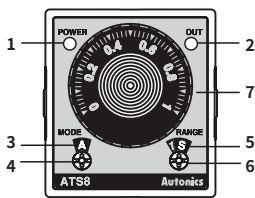
Power supply	12 VDC≐ ± 10%	24 VAC~ ± 10% 50 / 60 Hz, 24 VDC≐ ± 10%	100 - 240 VAC~ ± 10% 50 / 60 Hz, 24 - 240 VDC≐ ± 10%
Power consumption	It depends on the plug type and output.		
ATS8-□□□	DC: ≤ 1.5 W	AC: ≤ 4.5 VA DC: ≤ 2 W	AC: ≤ 4.2 VA DC: ≤ 2 W
ATS11-□□□D	DC: ≤ 1 W	AC: ≤ 4 VA DC: ≤ 1.5 W	AC: ≤ 3.5 VA DC: ≤ 2 W
ATS11-□□□E	DC: ≤ 1.5 W	AC: ≤ 4.5 VA DC: ≤ 2 W	AC: ≤ 4.2 VA DC: ≤ 2 W
Insulation resistive	≥ 100 MΩ (500 VDC≐ megger)		
Dielectric strength	2,000 VAC~ at 50 / 60 Hz for 1 min		
Noise immunity	It depends on the power supply.		
ATS□-1□□	± 500 V square-wave noise by noise simulator (pulse width 1 μs)		
ATS□-2□□	± 2kV square-wave noise by noise simulator (pulse width 1 μs)		
ATS□-4□□	± 2kV square-wave noise by noise simulator (pulse width 1 μs)		
Vibration	0.75 mm double amplitude at frequency of 10 to 55 Hz (for 1 min) in each X, Y, Z direction for 1 hour		
Vibration (malfunction)	0.5 mm double amplitude at frequency of 10 to 55 Hz (for 1 min) in each X, Y, Z direction for 10 min		
Shock	300 m/s ² (≈ 30 G) in each X, Y, Z direction for 3 times		
Shock (malfunction)	100 m/s ² (≈ 10 G) in each X, Y, Z direction for 3 times		
Relay life cycle	Mechanical: ≥ 10,000,000 operations Electrical: ≥ 100,000 operations (250 VAC~ 3 A resistive load)		
Ambient temperature	-10 to 55 °C, storage: -25 to 65 °C (no freezing or condensation)		
Ambient humidity	35 to 85 %RH, storage: 35 to 85 %RH (no freezing or condensation)		

Dimensions

- Unit: mm, For the detailed drawings, follow the Autonics website.



Unit Descriptions



No.	Name
1	Power indicator
2	Time limit output indicator
3	Output operation mode display part
4	Output operation mode setting switch
5	Time range display part
6	Time range setting switch
7	Dial for the time setting

Sold Separately

- 8-pin socket: PG-08, PS-08(N), PS-M8
- 11-pin socket: PG-11, PS-11(N)