W 38 × H 42 mm
Star-Delta Analog Timers

ATS8SD-4 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⎓
- Wide time setting range and switching time
  - T1 (setting time): selectable 0.5 to 100 sec
  - T2 (switching time): selectable 0.05, 0.1, 0.2, 0.3, 0.4, 0.5 sec
- Close and DIN rail mounting with the dedicated socket (PS-M8) width 41 mm
- Easy installation / maintenance with the dedicated bracket for DIN 48 × 48 mm
- Application: Starting large capacity motors

Product Components

- Product (+ bracket)
- Instruction manual

Specifications

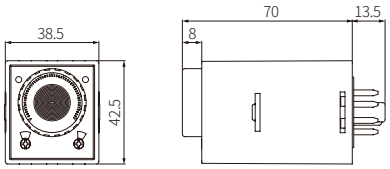
Model	ATS8SD-4
Function	Star-Delta Timer
Return time	≤ 100 ms
Time operation	Power ON Start
Control output	Relay
Contact type	Y Contact: Time limit SPST (1a), Δ Contact: Time limit SPST (1a)
Contact capacity	250 VAC⁓ 3 A, 30 VDC⎓ 3 A resistive load
Error	Repeat: ≤ ± 0.2% ± 10 ms Voltage: ≤ ± 0.5% Temp.: ≤ ± 2% Y setting time : ≤ ± 5% ± 50 ms Y - Δ switching time: ≤ ± 25%
Approval	CE cULus EAC
Unit weight	≈ 72 g

Power supply	100 - 240 VAC⁓ ± 10% 50 / 60 Hz, 24 - 240 VDC⎓ ± 10%
Power consumption	AC: ≤ 3 VA, DC: ≤ 1.5 W
Insulation resistive	≥ 100 MΩ (500 VDC⎓ megger)
Dielectric strength	2,000 VAC⁓ at 50 / 60 Hz for 1 min
Noise immunity	± 2 kV 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)

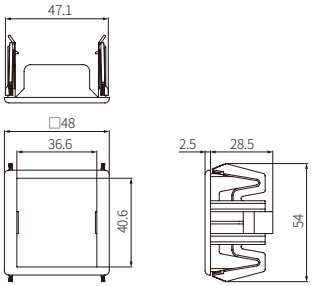
CE cULus EAC

Dimensions

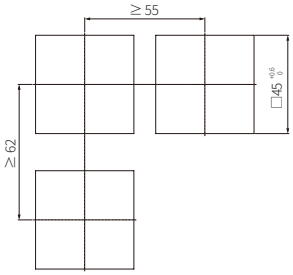
• Unit: mm, For the detailed drawings, follow the Autonics website.



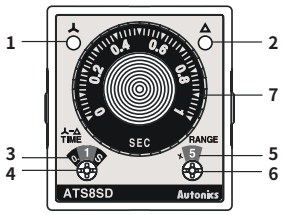
■ Bracket



■ Panel cut-out



Unit Descriptions



No.	Name
1	Y operation indicator
2	Δ operation indicator
3	Y - Δ switching time display part
4	Y - Δ switching time 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