





# W 38 × H 42 mm Star-Delta Analog Timers



## Product Components

- Product (+ bracket)
- Instruction manual

## Specifications

<b>Model</b>	<b>ATS8SD-4</b>
<b>Function</b>	Star-Delta Timer
<b>Return time</b>	≤ 100 ms
<b>Time operation</b>	Power ON Start
<b>Control output</b>	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
<b>Error</b>	Repeat: ≤ ± 0.2% ± 10 ms Voltage: ≤ ± 0.5% Temp.: ≤ ± 2% Y setting time: ≤ ± 5% ± 50 ms Y - Δ switching time: ≤ ± 25%
<b>Approval</b>	CE    
<b>Unit weight</b>	≈ 72 g
<b>Power supply</b>	100 - 240 VAC ~ ± 10% 50 / 60 Hz, 24 - 240 VDC ~ ± 10%
<b>Power consumption</b>	AC: ≤ 3 VA, DC: ≤ 1.5 W
<b>Insulation resistive</b>	≥ 100 MΩ (500 VDC ~ megger)
<b>Dielectric strength</b>	2,000 VAC ~ at 50 / 60 Hz for 1 min
<b>Noise immunity</b>	± 2 kV square-wave noise by noise simulator (pulse width 1 μs)
<b>Vibration</b>	0.75 mm double amplitude at frequency of 10 to 55 Hz (for 1 min) in each X, Y, Z direction for 1 hour
<b>Vibration (malfunction)</b>	0.5 mm double amplitude at frequency of 10 to 55 Hz (for 1 min) in each X, Y, Z direction for 10 min
<b>Shock</b>	300 m/s <sup>2</sup> (≈ 30 G) in each X, Y, Z direction for 3 times
<b>Shock (malfunction)</b>	100 m/s <sup>2</sup> (≈ 10 G) in each X, Y, Z direction for 3 times
<b>Relay life cycle</b>	Mechanical: ≥ 10,000,000 operations Electrical: ≥ 100,000 operations (250 VAC ~ 3 A resistive load)
<b>Ambient temperature</b>	-10 to 55 °C, storage: -25 to 65 °C (no freezing or condensation)
<b>Ambient humidity</b>	35 to 85%RH, storage: 35 to 85%RH (no freezing or condensation)

## ATS8SD-4 Series CATALOG

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

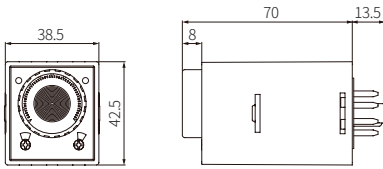
The specifications, dimensions, etc. are subject to change without notice for product improvement. Some models may be discontinued without notice.

### Features

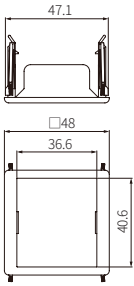
- Wide power supply range  
: 100 - 240 VAC ~ 50 / 60 Hz, 24 - 240 VDC ~
- Wide time setting range and switching time  
- T1 (setting time): selectable 0.5 to 100 sec  
- T2 (switching time): selectable 0.05, 0.1, 0.2, 0.3, 0.4, 0.5 sec
- Close and DIN rail mounting with the dedicated socket (PS-M8) width 41 mm
- Easy installation / maintenance with the dedicated bracket for DIN 48 × 48 mm
- Application: Starting large capacity motors

## Dimensions

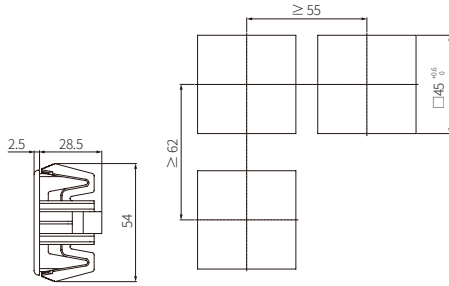
- Unit: mm, For the detailed drawings, follow the Autonics website.



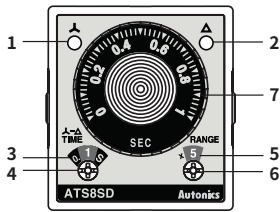
### ■ Bracket



### ■ 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