

ATS8P Series

Power-OFF Delay Timer, Compact Size W38×H42mm

■ Features

- Control time range
(ATS8P-□S: 0.1 to 10 sec, ATS8P-□M: 0.1 to 10 min)
- Direct reading for time setting and time range with easy adjustment
- Power supply: 100-120VAC50/60Hz, 200-240VAC 50/60Hz, 24VAC 50/60Hz, 24VDC universal
- Close and DIN rail mounting
with the dedicated socket (PS-M8) width 41mm
- Easy mounting and installation/maintenance
with the dedicated bracket for DIN 48×48mm
- Application
: Protection circuit when momentary power failure and start it again



⚠ Please read "Safety Considerations" in the instruction manual before using.



■ Ordering Information

ATS	8	P	-	2	S
Item		Number of plug pins		Time operation	Power supply
				Time unit	
				S	SEC
				M	MIN
				2	24VAC 50/60Hz, 24VDC type
				5	200-240VAC 50/60Hz
				6	100-120VAC 50/60Hz
				P	Power OFF Delay
				8	8-pin plug type
				ATS	Compact Analog Timer

※8-pin socket (PG-08, PS-08(N), PS-M8) is sold separately.

■ Specifications

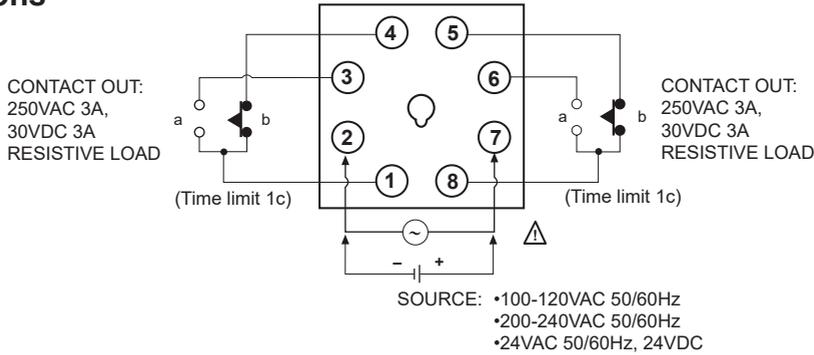
Model		ATS8P-□S	ATS8P-□M
Function		Power OFF Delay	
Control time setting range ^{※1}		0.1 to 10 sec	0.1 to 10 min
Power supply		•100-120VAC~ 50/60Hz	•200-240VAC~ 50/60Hz •24VAC~ 50/60Hz, 24VDC≒ universal
Allowable voltage range		90 to 110% of rated voltage	
Power consumption		•Max. 1.5VA (100-120VAC~ 50/60Hz) •Max. 0.2VA (24VAC~ 50/60Hz), Max. 0.2W (24VDC≒)	•Max. 1.5VA (200-240VAC~ 50/60Hz)
Timing operation		Power OFF Start	
Control output	Contact type	Time limit DPDT (2c)	
	Contact capacity	250VAC~ 3A, 30VDC≒ 3A resistive load	
Relay life cycle	Mechanical	Min. 10,000,000 operations	
	Electrical	Min. 100,000 operations (250VAC 3A resistive load)	
Repeat error		Max. ±0.2% ±10ms	
SET error		Max. ±5% ±50ms	
Voltage error		Max. ±0.5%	
Temperature error		Max. ±2%	
Insulation resistance		Over 100MΩ (at 500VDC megger)	
Dielectric strength		2,000VAC 50/60Hz for 1 min	
Noise immunity		±2kV the square wave noise (pulse width: 1μs) by noise simulator	
Vibration	Mechanical	0.75mm amplitude at frequency of 10 to 55Hz (for 1 min) in each X, Y, Z direction for 1 hour	
	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/s ² (approx. 30G) in each X, Y, Z direction 3 times	
	Malfunction	100m/s ² (approx. 10G) in each X, Y, Z direction 3 times	
Environment	Ambient temp.	-10 to 55°C, storage: -25 to 65°C	
	Ambient humi.	35 to 85%RH, storage: 35 to 85%RH	
Approval		CE c UL US	
Accessory		Bracket	
Unit weight		Approx. 80g	Approx. 85g

※1: Refer to time specifications for control time setting range by model.

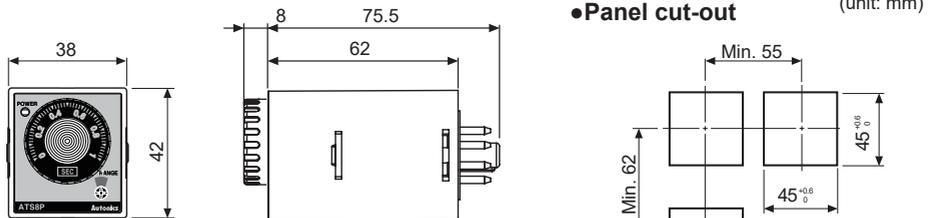
※Environment resistance is rated at no freezing or condensation.

Compact Power OFF Delay Analog Timer

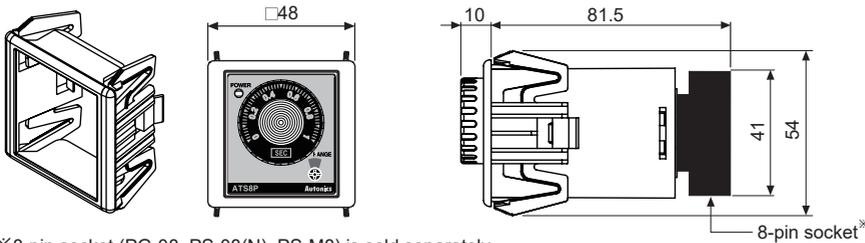
■ Connections



■ Dimensions

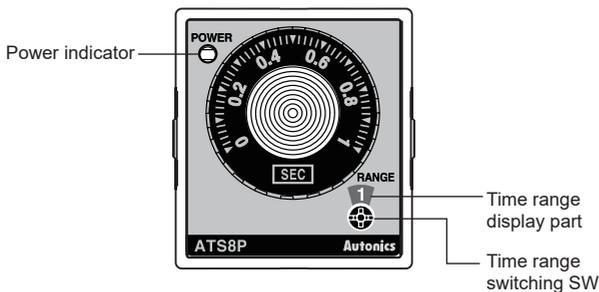


• Bracket



※8-pin socket (PG-08, PS-08(N), PS-M8) is sold separately.
Refer to the '(I)Connectors/Connector Cables/Sensor Distribution Boxes/Sockets's.

■ Unit Description

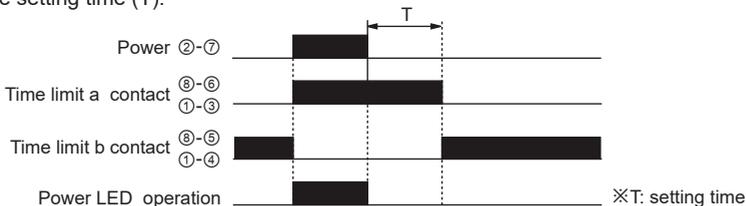


•Time specifications

Model	Time range	Time unit	Time setting range
ATS8P-□S	1	SEC	0.1 to 1 sec
	10		1 to 10 sec
ATS8P-□M	1	MIN	0.1 to 1 min
	10		1 to 10 min

■ Operation

When supplying the power, 'a' contact turns ON at the same time. When turning OFF the power, 'a' contact turns OFF after the setting time (T).



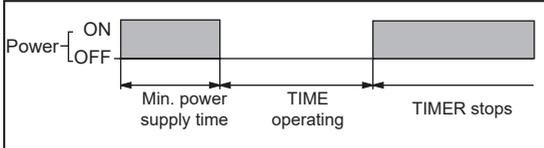
- SENSORS
- CONTROLLERS
- MOTION DEVICES
- SOFTWARE
- (J) Temperature Controllers
- (K) SSRs
- (L) Power Controllers
- (M) Counters
- (N) Timers
- (O) Digital Panel Meters
- (P) Indicators
- (Q) Converters
- (R) Digital Display Units
- (S) Sensor Controllers
- (T) Switching Mode Power Supplies
- (U) Recorders
- (V) HMIs
- (W) Panel PC
- (X) Field Network Devices

ATS8P Series

■ Proper Usage

◎ Power

- This product is Power OFF Delay Timer, the time of min. power supply is 0.1 sec for ATS8P-□S, and 2 sec for ATS8P-□M. Therefore be sure that this timer does not operate when supplying power but operates when turning OFF the power.



- Please observe the allowable voltage range and apply or cut the power at once to prevent from chattering.
- 24VDC, 24VAC power supply should be insulated and limited voltage/current or Class 2, SELV power supply device.
- When supplying the power, inrush current flows for a certain moment.

◎ Noise

- We test 2kV, pulse width 1 μ s against impulse voltage between power terminals and 1kV, pulse width 1 μ s at noise simulator against external noise voltage. Please install MP condenser (0.1 to 1 μ F) or oil condenser between power terminals when over impulse noise voltage occurs.
- Dielectric, impulse voltage or insulation resistance test of electrical circuit when this unit is installed in the control panel.
- Separate the unit from control panel circuit.
- Short circuit all terminals of the unit.
(to prevent from damage of this inner circuit by inner, insulation failure of control panel parts)

◎ Environment

Do not use this unit at below places.

- Place where temperature and humidity is out of the rated specifications.
- Place where freezing generates by temperature changes
- Place where there is flammable or explosive gas
- Place where there is lots of dust, oil or strong vibration or shock
- Place where strong alkalis or acid is used.
- Place where there is direct ray of the sun
- Place where strong magnetic field or electric noise is generated