Power OFF Delay Timer

DIN W48×H48mm Solid-state, Power OFF Delay timer

Features

• Time setting range

(AT8PSN: 0.05 to 10sec., AT8PMN: 0.05 to 10min.)

- Simple time setup and direct read of time range
- Power supply
- : 100-120VAC 50/60Hz, 200-240VAC 50/60Hz 100/110VDC, 24VAC 50/60Hz / 24VDC universal
- Application : Protect circuit when momentary power failure and start it again





Please read "Caution for your safety" in operation manual before using.

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Ordering information

T 8	F	> :	SN	-			
						No mark	200-240VAC
					Power supply	2	24VAC/DC
						6	100-120VAC
						7	100/110VDC
			Tin	ne un	it	SN	sec
	Time an autim			orotio		MN	min
	Number of plug pins					P	Power OFF Delay
						-8	8-pin plug type
Item						AT	Analog Timer

Sockets (PG-08, PS-08) are sold separately.

Specifications

- Sp∈	ecinications					
Model		ATS8PSN-	ATS8PMN-□			
Function		Power OFF Delay				
Control time setting range		0.05 to 10 sec.	0.05 to 10 min.			
Power supply		• 100-120VAC 50/60Hz • 200-240VAC 50/60Hz • 100/110VDC • 24VAC 50/60Hz, 24VDC (universal)				
Allowable voltage range		90 to 110% of rated voltage				
Power consumption		• 100-120VAC : 1.5VA • 100/110VDC : 0.8W • 200-240VAC : 1.5VA • 24VDC : 0.2VA, 24VDC 0.2W				
Timing operation		Power OFF start type				
Control	Contact type	Time limit DPDT(2c)				
output	Contact capacity	250VAC 3A resistive load				
Relay	Mechanical	Min.10,000,000 operations				
life cycle	Electrical	Min. 100,000 operations(250VAC 3A resistive load)				
Repeat e	rror	Max. ±0.2 % ±10ms				
Setting error		Max. ±5% ±50ms				
Voltage error		Max. ±0.5%				
Temperature error		Max. ±2%				
Insulation resistance		100MΩ(at 500VDC megger)				
Dielectric strength		2000VAC 50/60Hz for 1 minute				
Noise strength		±2kV the square wave noise(pulse width : 1μs) by the noise simulator				
Vibration	Mechanical	0.75mm amplitude at frequency of 10 to 55Hz(for 1 min.) in each of X, Y, Z directions for 1 hours				
VIDIAUOII	Malfunction	0.5mm amplitude at frequency of 10 to 55Hz(for 1 min.) in each of X, Y, Z directions for 10 minutes				
Shock	Mechanical	300m/s² (approx. 30G) in each of X, Y, Z directions 3 times				
	Malfunction	100m/s² (approx. 10G) in each of X, Y, Z directions 3 times				
Environ -ment	Ambient temperature	-10 to 55°C, storage: -25 to 65°C				
	Ambient humidity	35 to 85%RH				
Approval		(€ : \$7. 1)				
Accessory		Bracket				
Unit weight		Approx. 100g				

Environment resistance is rated at no freezing or condensation.

(A) Photo electric sensor

(C) Door/Area sensor

(D) Proximity

(E) Pressure sensor

(I) SSR/

(K) Timer

(M) Tacho/ Speed/ Pulse meter

(N) Display unit

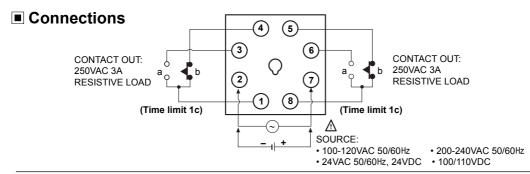
(P) Switching mode powe supply

(R) Graphic/ Logic panel

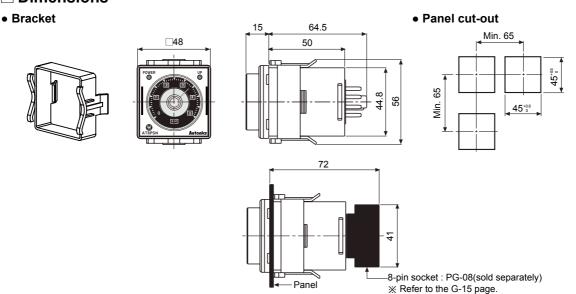
(S) Field network device

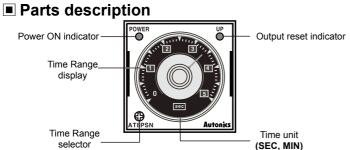
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AT8PSN / AT8PMN Series



■ Dimensions (unit: mm)



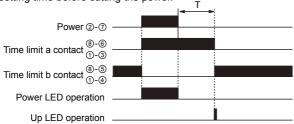


• Time specification

	Unit		
	SEC (AT8PSN-□)	MIN (AT8PMN-□)	
	0 to 0.5 sec	0 to 0.5 min	
Setting time	0 to 1.0 sec	0 to 1.0 min	
range(T)	0 to 5 sec	0 to 5 min	
	0 to 10 sec	0 to 10 min	
Min. time to supply the power	0.1sec.	2sec.	

■ Output operation mode

Contact a turns ON when the power applied and then turns off after setting time(T) is passed when the power off. There is memory protection function. Even though changing setting time after cutting the power, time limit a contact turns OFF after the setting time before cutting the power.

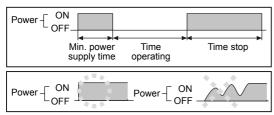


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Power OFF Delay Timer

■ Proper usage

- Power
- This product is power OFF delay timer, the time of min. power supply is 0.1sec. for AT8PSN — type and 2sec. for AT8PMN —. Therefore be sure that this product will operation after power off.
- Please observe the allowable voltage range and apply or cut the power at once to prevent from chattering.



- X Please use the power within rating power and apply.
- In case of 24VDC/DC, 100/110VDC model, isolated and limited voltage/current or Class 2 source should be provided for power supply.
- When supplying the power to the timer with 100-120VAC or 200-240VAC, approx. 0.5A will flow for 0.5 sec. (AT8PMN-□), or for 0.05 sec. (AT8PSN-□). When supplying the power to the timer with 24VDC, 100/110VDC approx. 1.5A will flow for 0.5 sec. (AT8PMN-□), or for 0.05 sec. (AT8PSN-□). Therefore be sure about the rating of contact and the power capacity.
- When performing dielectric voltage test or insulation resistance test while the unit is installed on control panel,
- Please isolate this unit from the circuit of control panel.
- · Please make all terminals of this unit short-circuited.
- Do not use this unit at below places.
- · Place where there are severe vibration or impact.
- · Place where strong alkalis or acids are used.
- Place where there are direct rays of the sun
- Place where strong magnetic field or electric noise are generated.
- Installation environment
- It shall be used indoor
- Altitude Max. 2000m
- Pollution Degree 2
- · Installation Category II

(A) Photo electric sensor

(B) Fiber optic

> (C) Door/Area

(D) Proximity

(E) Pressure sensor

> (F) Rotary encoder

Connector/ Socket

(H) Temp. controller

(I) SSR/ Power controller

> (J) Counter

(K) Timer

L) Panel neter

(M) Tacho/ Speed/ Pulse meter

(N) Display unit

> O) Sensor controller

(P) Switching mode power supply

(Q) Stepper

(R) Graphic/ Logic panel

(S) Field network device

(T) Software

(U) Other

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