DIN W48×H48mm Solid-State, Power OFF Delay Timer

Features

- Time setting range (AT8PSN: 0.05 to 10 sec, AT8PMN: 0.05 to 10 min)
- 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 "Safety Considerations" in the instruction manual before using.

Ordering Information

AT 8	F	9	SN -			
					No mark	200-240VAC 50/60Hz
				Power supply	2	24VAC 50/60Hz, 24VDC
					6	100-120VAC 50/60Hz
					7	100/110VDC
			Time unit		SN	SEC
	Time energtion				MN	MIN
		Time operation				Power OFF Delay
[8	8-pin plug type
Item					AT	Analog Timer

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

Specifications

	AT8PSN-	AT8PMN-		
no potting rango ^{×1}		0.05 to 10 min		
ne seuing range				
oply		• 24VAC~ 50/60Hz, 24VDC== universal		
voltage range	90 to 110% of rated voltage			
nsumption	• Max. 1.5VA (100-120VAC~) • Max. 0.8W (100/110VDC=) • Max. 2VA (24VAC~), Max. 2W (24VDC=)			
eration	Power OFF start			
Contact type	Time limit DPDT (2c)			
Contact capacity	250VAC~ 3A, 30VDC= 3A resistive load			
Mechanical	Min.10,000,000 operations			
Electrical	Min. 100,000 operations (250VAC 3A resistive load)			
ror	Max. ±0.2% ±10ms			
	Max. ±5% ±50ms			
rror	Max. ±0.5%			
ure error	Max. ±2%			
resistance	Over 100MΩ (at 500VDC megger)			
strength	2,000VAC 50/60Hz for 1 min			
nunity	±2kV the square wave noise (pulse width: 1μs) by the noise simulator			
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			
Mechanical	300m/s² (approx. 30G) in each X, Y, Z direction 3 times			
Malfunction	100m/s² (approx. 10G) in each X, Y, Z direction 3 times			
Ambient temperature	-10 to 55°C, storage: -25 to 65°C			
Ambient humidity	35 to 85%RH			
	(€ c /// 2005			
/	Bracket			
nt	Approx. 100g			
	voltage range nsumption eration Contact type Contact capacity Mechanical Electrical ror Tror ure error resistance strength nunity Mechanical Malfunction Mechanical Malfunction Mechanical Malfunction Ambient temperature Ambient humidity	Power OFF Delay ne setting range ^{×1} 0.05 to 10 sec 100-120VAC ~ 50/60Hz 24VAC ~ 50/60Hz voltage range 90 to 110% of rated voltage • Max. 1.5VA (100-120VAC ~) • Max. 1.5VA (200- • Max. 0.8W (100/110VDC —) • Max. 2VA (24VAC ~) • Max.		

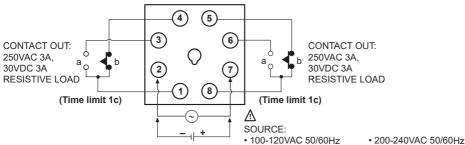
 $[\]ensuremath{\mathbb{X}}$ 1: Refer to time specifications for control time setting range.

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^{*}Environment resistance is rated at no freezing or condensation.

Power OFF Delay Analog Timer

Connections



SENSORS

CONTROLLERS

MOTION DEVICES

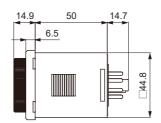
SOFTWARE

100-120VAC 50/60Hz
24VAC 50/60Hz, 24VDC

z, 24VDC • 100/110VDC

Dimensions





(unit: mm)

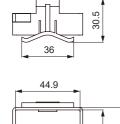
(J) Temperature Controllers

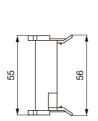
(K) SSRs

(L) Power Controllers

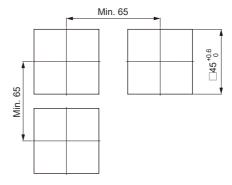
> M) Counters

O Bracket





Panel cut-out



(N) Timers

(O) Digital Panel Meters

(P) Indicators

(Q) Converters

(R) Digital Display Units

(S) Sensor Controllers

(T) Switching Mode Power Supplies

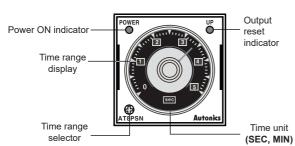
(U) Recorders

(V) HMIs

(W) Panel PC

(X) Field Network Devices

Unit Description



48.6

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• Time specifications

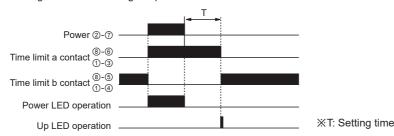
Model	Time range	Time unit	Time setting range
	0.5		0 to 0.5 sec
AT8PSN-□	1	SEC	0 to 1 sec
ATOPSIN-	5	SEC	0 to 5 sec
	10		0 to 10 sec
	0.5		0 to 0.5 min
AT8PMN-□	1	MIN	0 to 1 min
ATOPIVIN-	5	IVIIIN	0 to 5 min
	10		0 to 10 min

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AT8PSN/AT8PMN Series

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.



Proper Usage

- Follow instructions in 'Proper Usage'. Otherwise, it may cause unexpected accidents.
- 24VDC, 24VAC power supply should be insulated and limited voltage/current or Class 2, SELV power supply device.
- Supply power for over 0.1 sec for AT8PSN-

 and 2 sec for AT8PMN-

 Since AT8PSN/PMN are Power Off Delay timer, they operate after turning of the power.
- When supplying or turning off the power, use a switch or etc. to avoid chattering.
- Install a power switch or circuit breaker in the easily accessible place for supplying or disconnecting the power.
- Keep away from high voltage lines or power lines to prevent inductive noise.
 In case installing power line and input signal line closely, use line filter or varistor at power line and shielded wire at input signal line.

Do not use near the equipment which generates strong magnetic force or high frequency noise.

- Change setting time(T1) or etc. after turning off the power of the timer.
- This product may be used in the following environments.
 - ①Indoors (in the environment condition rated in 'Specifications')
 - ②Altitude max. 2,000m
 - ③Pollution degree 2
 - 4 Installation category II

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