

W 48 × H 48 mm Analog Timers



ATN 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 range of power supply
: 100 - 240 VAC ~ 50 / 60 Hz, 24 - 240 VDC = / 24 VAC ~ 50 / 60 Hz, 24 VDC = / 12 VDC =
- Various output operation (6 operation modes)
- Multi time range (16 types of time range)
- Wide control time (0.05 sec to 100 hour)
- Easy setting of time, time range, output operation mode
- Easy to check output status by indicator

Ordering Information

This is only for reference, the actual product does not support all combinations. For selecting the specified model, follow the Autonics website.

AT ① ② N - ③

① Plug type

8: 8-pin plug
11: 11-pin plug

③ Power supply

No mark: 100 - 240 VAC ~ 50 / 60 Hz, 24 - 240 VDC =
1: 12 VDC =
2: 24 VAC ~ 50 / 60 Hz, 24 VDC =

② Output

No mark: Time limit DPDT (2c), Instantaneous SPDT (1c) + Time limit SPDT (1c)
D: Time limit DPDT (2c)
E: Instantaneous SPDT (1c) + Time limit SPDT (1c)

Product Components

- Product (+ bracket)
- Instruction manual

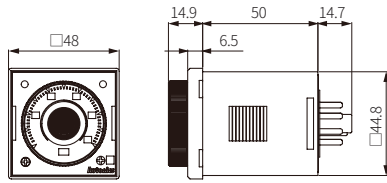
Specifications

Model	AT8N-□	AT11DN-□	AT11EN-□
Function	Multi Function Timer		
Return time	≤ 100 ms		
Time operation	Power ON Start	Signal ON Start	
Input	-	INHIBIT, START, RESET	
Min. signal width	-	≈ 50 ms	
No-voltage input	-	Short-circuit impedance: ≤ 1 kΩ Short-circuit residual voltage: ≤ 0.5 VDC = Open-circuit impedance: ≥ 100 kΩ	
Control output	Relay		
Contact type	Time limit DPDT (2c), Time limit SPDT (1c) + Instantaneous SPDT (1c)	Time limit DPDT (2c)	Time limit SPDT (1c) + Instantaneous SPDT (1c)
Contact capacity	250 VAC ~ 5 A, 30 VDC = 5 A resistive load	250 VAC ~ 5 A, 24 VDC = 5 A resistive load	250 VAC ~ 5 A, 30 VDC = 5 A resistive load
Error	Repeat: ≤ ± 0.2% ± 10 ms SET: ≤ ± 5% ± 50 ms Voltage: ≤ ± 0.5% Temp.: ≤ ± 2%		
Approval	CE c RU us EAC		
Unit weight (packaging)	≈ 86.71 g (≈ 134.12 g)	≈ 85 g (≈ 132.2 g)	≈ 87.5 g (≈ 134.7 g)

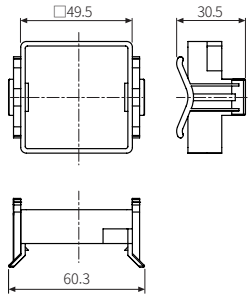
	100 - 240 VAC ~ ± 10% 50 / 60 Hz, 24 - 240 VDC = ± 10%	12 VDC = ± 10%	24 VAC ~ ± 10% 50 / 60 Hz, 24 VDC = ± 10%
Power supply			
Power consumption	It depends on the model.		
AT8N-□	AC: ≤ 4.3 VA DC: ≤ 2 W	DC: ≤ 1.5 W	AC: ≤ 4.5 VA DC: ≤ 2 W
AT11DN-□	AC: ≤ 3.5 VA DC: ≤ 1.5 W	DC: ≤ 1 W	AC: ≤ 4 VA DC: ≤ 1.5 W
AT11EN-□	AC: ≤ 4.3 VA DC: ≤ 2 W	DC: ≤ 1.5 W	AC: ≤ 4.5 VA DC: ≤ 2 W
Insulation resistive	≥ 100 MΩ (500 VDC = megger)		
Dielectric strength	2,000 VAC ~ 50 / 60 Hz for 1 min		
Noise immunity	± 2 kV square-wave noise by noise simulator (pulse width 1 μs)	± 500 V 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 (≈ 30 G) in each X, Y, Z direction for 3 times		
Relay life cycle	Mechanical: ≥ 10,000,000 operations Electrical: ≥ 100,000 operations (250 VAC ~ 5 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)		

Dimensions

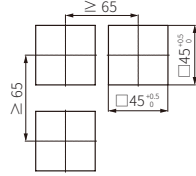
- Unit: mm, For the detailed drawings, follow the Autonics website.



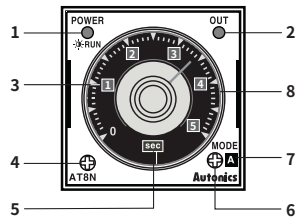
Bracket



Panel cut-out



Unit Descriptions



No.	Name
1	Power indicator
2	Time limit output indicator
3	Time range display part
4	Time range setting switch
5	Time unit display part • SEC, MIN, HOUR, 10H
6	Output operation mode setting switch
7	Output operation mode display part
8	Dial for the time setting

Sold Separately

- 8-pin socket: PG-08, PS-08(N)
- 11-pin socket: PG-11, PS-11(N)