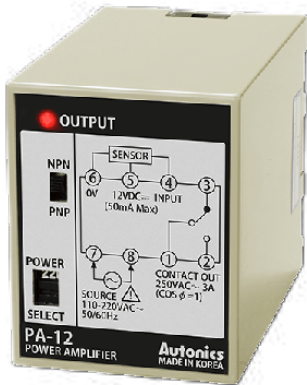


8-Pin Plug Sensor Controllers



PA-12 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

- 110 / 220 VAC~ dual voltage
- NPN / PNP input switch
- High contact capacity (250 VAC~ 3 A, 30 VDC= 3 A resistive load)
- Socket plug-in type (8-pin)
- N.O. or N.C. relay output available

Ordering Information

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

PA - 12 - ①

① Type

- No mark: Power amplifier
- PG: Pulse generator (NPN)
- PGP: Pulse generator (PNP)

Product Components

- Product
- Instruction manual

Specifications

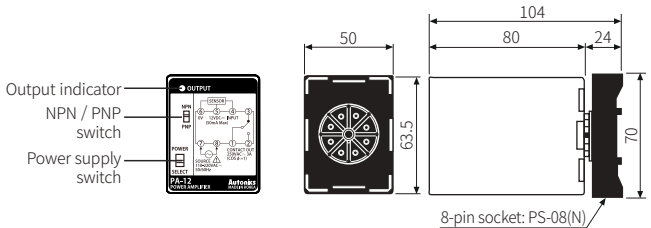
Model	PA-12	PA-12-PG	PA-12-PGP
Type	NPN / PNP switching	NPN open collector	PNP open collector
Power supply	110 / 220 VAC ~ switching 50 / 60 Hz	110 / 220 VAC ~ 50 / 60 Hz	
Power consumption	≈ 4 VA		
Sensor supply power ⁰¹⁾	12 VDC ≡ ± 10 % 50 mA	12 VDC ≡ ± 10 % 30 mA	
Control output	Relay contact output ⁰²⁾	NPN open collector output	PNP open collector output
	Contact capacity: 250 VAC ~ 3 A, 30 VDC ≡ 3 A resistance load, Contact configuration: 1 a 1 b	Allowable input voltage: ≤ 30 VDC ≡ Rated current: ≤ 50 mA	
NPN input signal	Short-circuit impedance : ≤ 1 kΩ Residual voltage : ≤ 2 VDC ≡ Open-circuit impedance : ≥ 100 kΩ	Short-circuit impedance : ≤ 1 kΩ Residual voltage : ≤ 2 VDC ≡ Open-circuit impedance: ≥ 100 kΩ	-
PNP input signal	High: 7 - 12 VDC ≡ Low: 0 - 5 VDC ≡	-	High: 7 - 12 VDC ≡ Low: 0 - 5 VDC ≡
Input resistance	10 kΩ	-	-
Response time	Input: ≥ 0.2 ms, Output: ≥ 10 ms		
Ambient temperature	-10 to 50 °C (no freezing or condensation)		
Ambient humidity	35 to 85 %RH (no freezing or condensation)		
Approval	EAC		
Unit weight	≈ 269 g		

01) Make sure that total consumption current shall not exceed sensor's power supply capacity when connecting a sensor.

02) Electrical life cycle: ≥ 10,000,000 operations; Mechanical life cycle: ≥ 100,000 operations

Dimensions

- Unit: mm, For the detailed drawings, follow the Autonics website.
- This dimensions shows PA-12 and it may differ by model.



Sold Separately

- 8-Pin socket: PS-08(N)