

Cyclic Timer

PS-AT-02-Series



The **PS-AT-02-Series** of timers is designed to manage the operation of two air conditioners (ACs) alternately. A summary of its features and functions is provided below. The **PS-AT-02-S-A-20-PWX** model is intended for cyclic 2 single-phase loads of 20 Amps each, while the **PS-AT-02-X-B-XX-XXX** model is designed for switching three-phase loads. These models come with automatic and automatic & manual operation. These are available in metal or waterproof enclosures. Please refer to the product selection chart for more details.

1. Product Highlights

- **Microcontroller-Based Design:** Ensures reliable and precise operation of the timer which would swap the switching operation of two air conditioners after a preset time interval ranging from 1 to 12 hours.
- **Test / Run Mode: Operation time will be scaled down by 20 times when put in test mode.**
- **Power down Memory:** The system is equipped with power-down memory that seamlessly resumes operation from the last state once power is restored. Additionally, the built-in algorithm accounts for the previous ON period to ensure continuity of the selected time period, once the power is restored.
- **Auto / Manual Operation:** Individual Load could be operated either in Auto or manual mode
- **Fire Alarm Integration:** The system is equipped with fire alarm detection contacts that trip the units upon receiving a fire detection signal. This feature enhances safety operation of the unit.
- **EMI/EMC Operation: Wide voltage operation with EMI/EMC compatibility.**



General Cyclic Timer



Cyclic Timer With Rotary Switch



IP- 65 Grade Waterproof

Fig1. Figures of Cyclic Time

2. Application

- Places like Automated Teller Machine (ATM), Cellular sites, industrial or commercial applications, where efficient & uninterrupted cooling management with two air conditioners, fire safety are prioritized.
- Server rooms, data centers, and other environments where Security cabins and application of this nature.

3. Electrical Connection Diagram

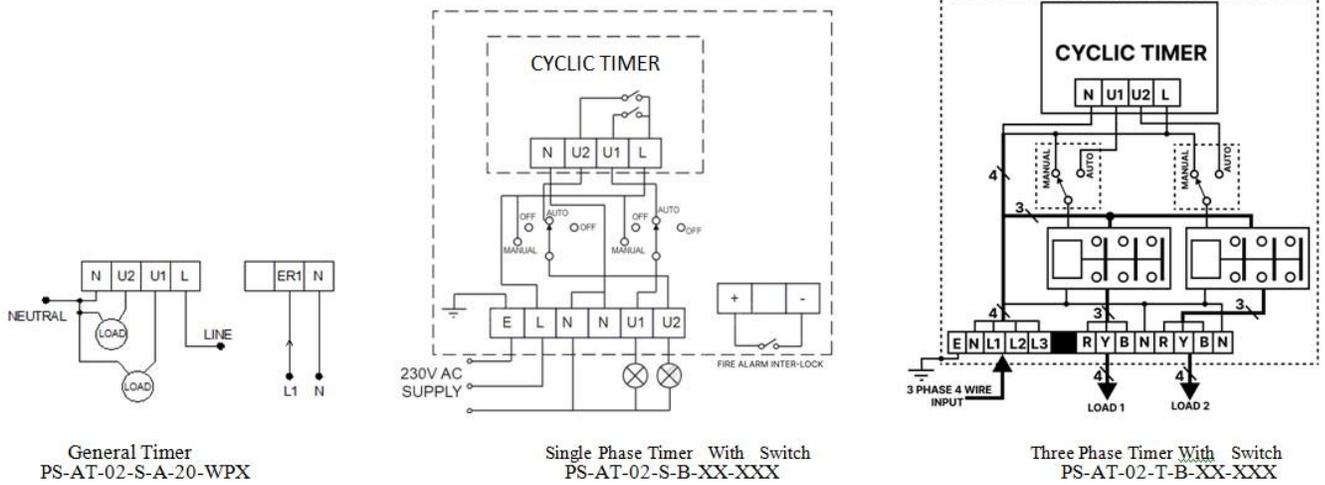


Fig 2. Connection Diagram Of Cyclic Timer

4. Product Selection Table

Model No.	Power Supply (V)		Frequency (Hz)		Product Name (A = Auto, B = Auto & Manual switch)	Mechanical Dimension (cm)			Load Current (Amps)
	Min	Max	Min	Max		L	W	H	
PS-AT-02-S-A-20-WPX	90	270	45	65	General Timer (A)	12	12	1	20Amps (Single Phase)
PS-AT-02-S-B-XX-XXX	90	270	45	65	Single phase Timer With Switch (B)	240	176	103	Rotary switch of 25 Amps capacity (Single Phase)
*PS-AT-02-T-B-XX-XXX	160	460	45	65	Three phase Timer With Switch (B)	240	176	103	Three Phase

Fig 4.1 Product selection table

*Note:1) PS-AT-02-T-B-XX-XXX Three phase contactors for adequate the capacity of auto manual selection switch.
 2) PS-AT-02-S-B-XX-XXX, PS-AT-02-T-B-XX-XXX – These two models have a provision for IP – 65 grade protection enclosure of 310 x 210 x 140 (Lx W x H).