



## Thuse Electronics P. Ltd.

Plot 33A, Sector 7, PCNTDA, Bhosari MIDC, Pune 411026, INDIA.



# *Timeline 2AC Cyclic Timer*



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# Timeline 2AC Cyclic Timer User Manual

## 1. User Interface

- AC1 & AC2 Max. ON duration: 99HH: 99MM: 99S
- AC1 & AC2 Min. ON duration: 00HH: 00MM: 01S
- 16x2 LCD Display with Green Backlight
- 3 Keys for user settings and control

## 2. Display

16 Characters X 2 Lines Multi-info LCD with Back-Light. Shows Live Count Down Of Time.

## 3. Technical Specifications

- **Operating Voltage Range:** 90V to 440V AC, 50Hz.
- **Maximum Contact Rating:** 30A @ Unity PF.
- **AC-1, AC-2 Max. AC Tonnage:** 2 Ton (Window or Split)
- **Technology:** Advanced Micro-Controller with Memory Backup.
- **Mounting:** Wall or Board Mountable.

## 4. Features

- **Working:** Both AC's ON time can be adjusted independently. It can be equal or unequal as per user's choice. While one AC-1 is ON, AC-2 remains OFF. As soon as AC-1 turns OFF, AC-2 turns ON. This happens cyclically / in a loop.
- **Technology:** Advanced Micro-Controller Based Technology.
- **Memory Backup:** After power failure, when power resumes, whichever AC was operating before power failure, turns ON at elapsed time and exact balance time starts counting down.
- **Modes:** Auto / Manual Modes.
- **Memory Backup:** After power failure, when power resumes, whichever AC was operating before power failure, turns ON and exact balance time starts counting down.
- **Cyclic Operation:** To power 2 ACs – Turn By Turn.
- **Simple To Set:** Precise but simple settings in HH:MM:SS Format for each AC. Shows Live Count Down on LCD display in run mode.
- **Design:** Robust metallic design. Operates between 90V to 440V AC/ 50Hz - Widest operating voltage range in the market. No one offers this.
- **Form Factor:** Most compact form factor. Wall Mountable & Economical Model.
- **Output:** Two heavy duty 30A relay outputs capable to take load of AC-1 & AC-2 up to 2 Tons each. Using contactor, you can connect higher capacity or 3 Ph ACs.
- **Memory Backup:** After power failure, when power resumes, whichever AC was operating before power failure, turns ON and exact balance time starts counting down.
- **Warranty:** 12 Months carry-in-warranty.

## 5. Product Dimensions

- (L x H x D) mm – (118 x 70 x 60)

## 6. Weight

- 415 gm

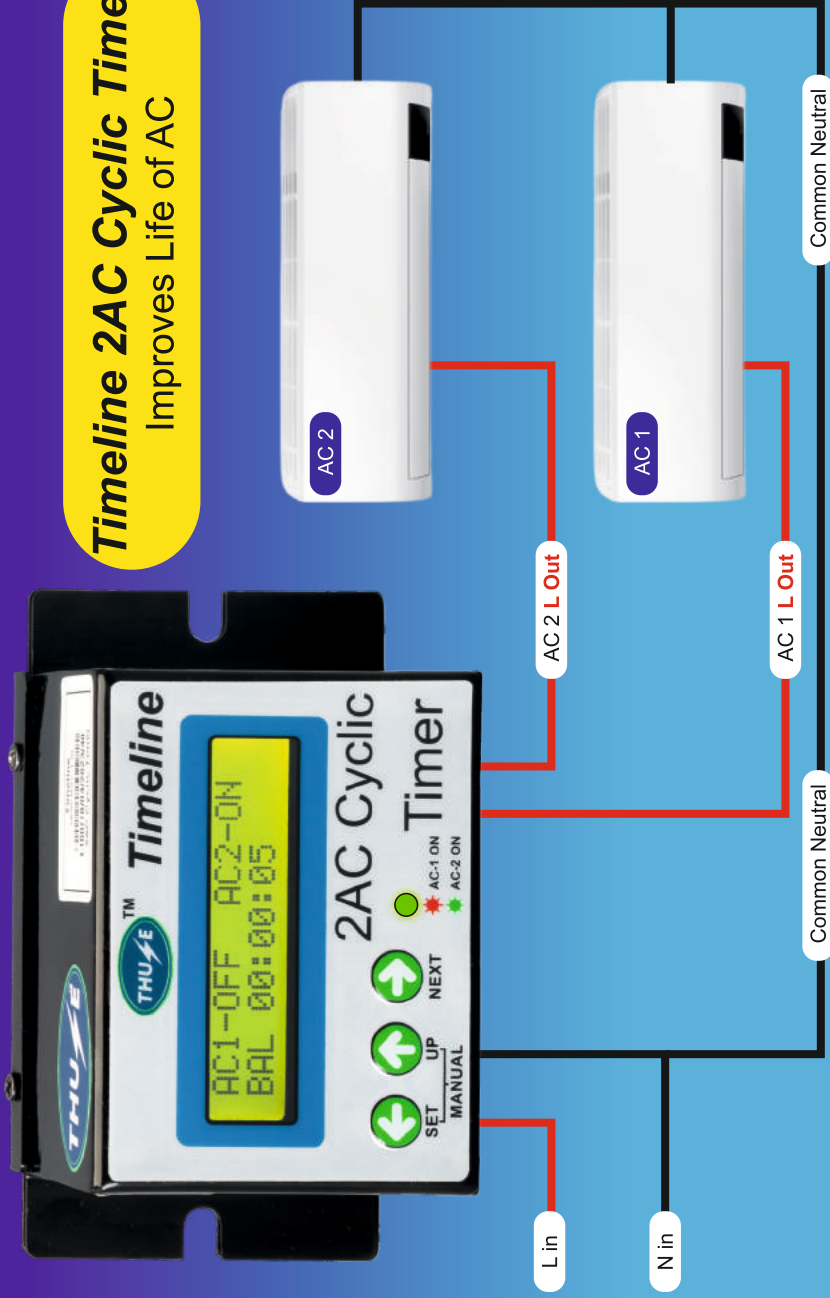
Step	Operation	Selection Key	Display Shows
1.	How to set AC1 and AC2 ON durations ?	Press  Key. First digit of HH of AC2 blinks.	
2.	How to change the value of blinking field?	Press  Key Repeatedly.	Value of Blinking field increases
3.	How to shift blinking digit focus?	Press  OR  keys	Blinking digit focus moves to next or previous field. Repeat step 2 to adjust ON durations.
4.	How to save and exit the settings?	Press  key repeatedly till the last field blinks and Press  key again.	
	Now how to start AC1 & AC2 cyclic operations?	At this stage, just press  key	
5.	How to enable Manual Mode? (Flips the power applied to the AC)	Press  and  keys together for 5 seconds. (Whichever AC is ON will turn OFF and other AC will turn ON. This will remain as it is, as long as <b>MANUAL MODE</b> is active)	
6.	To exit Manual Mode	Press  and  keys together for 5 seconds	The timer shall resume as per saved settings
7.	<b>AC 1 ON indicated by RED LED</b>		
8.	<b>AC 2 ON indicated by GREEN LED</b>		

### Technical Notes

- Your power line supply PHASE & NEUTRAL are to be connected as input to the marked locations on the connector.
- PHASE for AC1 & AC2 is made available at the connector at locations marked as AC1 L and AC2 L respectively. NEUTRAL & EARTHING connection of the ACs should be wired out and out to supply line. They are no way to be connected to timer's connector.
- Connect ON-OFF main switch at the input and 2 MCBs – one for each AC of suitable rating at the output side of the timer's connection as a safety precaution.
- Your timer can take directly connected AC load up to 2 tons 1 phase max. For higher or 3 phase AC installations use a contactor of suitable ratings having coil voltage as 240V AC, 50Hz.
- Use proper wire gauge according to the max. current ratings of the ACs installed.
- Timer connectors screws to fix wires should be tightened securely. Do not leave it loose.
- For any kind of doubt, query, please ask our customer care on 88881 51151

# Connection Diagram

**Timeline 2AC Cyclic Timer**  
Improves Life of AC



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An ISO 9001:2015 Certified Company



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