

AIR CONDITIONER CONTROLLER

MODEL: ACC-01



The Sequence Control System has been designed to control the automatic sequencing of two Air-conditioners. The ON/OFF sequencing of the Air-conditioners is based on temperature and time dependent. The data retention memory has been used to save the user parameters and time passed by each air-condition. The time based ON/OFF sequencing efficiently utilizes life span of both Air-conditioners.

When room temperature is above the Low temperature and below the High temperature then only one air-conditioner will remain ON. When the set value of time is achieved the running air-conditioner will turn OFF and the other air-conditioner that was off will turn ON after 1 minute for the set value of time.

When the room temperature is above or equal to High temperature and both the air conditioners will run. When the temperature goes normal(below high temp) and time passed for the both air-conditioners is below the set value of time then one of the air-conditioner that was turned ON later to decrease the room temperature will go OFF and its running time will be saved in data retention memory of the system.

The sequence will be perform correctly when normal screen is opened that shows room temperature, make it sure that no setting screen is opened. If no key is pressed for 30 sec then the system will jump to main screen automatically.



SP E C I F I C A T I O N S	
GENERAL	
<ul style="list-style-type: none"> • Capacity • Types of AC units • Power Source • Control method • Control Hysterisis • Control Range • Measurement Resolution • Control points sensed • Bad AC unit isolation • Runtime balancing • Readouts • Modes of operation 	<p>2 OR 4 AC UNITS. Window, Split or Cassette. 220 V Single Phase. Time & Room Temperature sensing based. Selectable 3 Degree Centigrade Selectable 15 – 35 Degree Centigrade 0.1 Degree Centigrade Room temperature Based on current and grill temperature. Cyclic Running or Resting. 7 Segment Displays & Bi-color LEDs. Auto & Manual.</p>
INDICATIONS	
<ul style="list-style-type: none"> • Room Temperature High. • Voltage High • AC1/2/3/4 - On / Off • Faulty unit. • Mains Voltage. 	
PROTECTION	
<ul style="list-style-type: none"> • Under & over voltage Cut-offs. • Under & over voltage protection for the contactors. • MCB for each AC unit, in addition to the above, active in both manual and auto modes. Also acts as backup protection, in manual mode. 	
ALARMS	
<ul style="list-style-type: none"> • High room temperature. • Supply over / under voltage. 	
DATA LOGGING	
<ul style="list-style-type: none"> • Daily Usage Logs 60 days for each AC 	

