

µC Based Cooling Temperature Controller with 3 AC Input



WTC-2201-C

- WTC-2201-3ACSize: 96(w)x96(h)x65(d) mm

- microcontroller based,
- Four digit, dual display
- Supply 100-260 VAC
- Input : PT100 RTD
- Output: 1. AC1 Relay contact, 2. AC2 Relay contact, 3. AC2 Relay contact
- Control action: Cooling control -On/Off
- Range: -50.0.0 to 50.0c
- Indication accuracy of 0.5% of full scale
- AC-1 & AC-2 Temperature As per range adjustable in set mode.
- Alarm setting 0.3 to 10.0 adjustable above set value.
- Cooling Hysteresis 0.2 to 25.0c adjustable
- Delay 0 to 9 Minute settable
- Rest time 10 to 9999 Minute settable (Rest time count up in AC on condition)
- OPEn display if Sensor break
- Relay trip if sensor breaks or connection open
- Calibration Error correction by front key switch (No preset setting)
- Configure link @ Back terminal to avoid unauthentic entry.
- Alarm output optional
- Alarm Mute by decrement key.

Function:

- Normal AC Controlling function with Delay time & Hysteresis
- Each AC Rotate as per rest time to equalize burden
- 5 second fix delay to switch over next AC
- NC Contact
- Both AC On If $PV \geq SV + \text{Alarm Value}$ & off if $PV \leq SV$
- Rest time count up in AC On condition
- Rest time count Hold in AC Off condition
- If Rest time count = Set rest time, Controlling of AC switch to next AC after 5 second delay

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