

## µC Based PID Temperature Controller for Ball & Ring Apparatus



- WTC-2201-R&B....Size: 96(w)x96(h)x85(d) mm
- WTC-2001-R&B....Size: 96(w)x48(h)x110(d) mm

- Microcontroller based, Single or Double display
- Supply 100-260 V Ac
- Input : RTD PT100
- Input: Pushbutton to take Temperature Value
- Input: Limit switch to start heating control
- Output: 1. SSR for Heater 2. Buzzer
- Output: 12Volt PWM for DC Motor speed Control
- PID Control
- Heating Control
- Range: 0.0 to 200.0,
- Alarm 0.0 to 25.0 adjustable
- Ct 1 to 60 adjustable
- Auto tuning require for pb, It & dt value
- Ramp: settable °C/Minute
- Open display if Sensor break
- Relay trip if sensor breaks, connection open or connection reverse.
- Calibration Error correction by front key switch (No preset setting)

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