# Temperature Humidity Indicators / Controllers



IM3500 Series Temperature / Humidity controllers are Microcontroller based highly versatile controllers for combined control of Temperature and Humidity.
Controller is available with PID control algorithm as well as on of algorithm. Control parameters are user configurable on site.

Controllers are available which can accept input from different type of Humidity sensors as well as RTD sensor for Dry Bulb / Wet Bulb measurement technique.

**Other versions of temperature controllers are also available as**

- **Profile Controller** : To control temperature against time. E.g. Ramp Soak Control
- **PID Temperature Controller**
- **Multi setpoint Temperature Controller**
- **Multi Channel Temperature Controllers** : Multiple Temperature Controllers in a Single Package. Upto 16

## FEATURES

- Microcontroller based Digital Circuitry
- Two Row Four digit LED display for parameter indication.
- Dust proof membrane keypad for programming.
- Input interface : Pt 100 RTD for temperature.
- RTD for Dry / Wet bulb technique. Or 4-20 mA from Humidity sensor or 0-10 V or 0-3 V from Humidity sensor. (Factory set).
- Control algorithm independent PID with programmable control constants for Temperature and Humidity.
- NV RAM storage to retain setpoint in case of power failure.
- Control output Relay outputs rated 230V / 5A (resistive) or Open Collector Outputs.
- High Low setpoint with Relay output for Compressor control.
- RS 232 Serial Interface for PC or Serial Printer (Optional)
- Real time Clock (Optional)
- Size 96 x 96 x 150 mm. (DIN standard).

## MODELS

IM3501 : PID Humidity controller
IM3504 : PID Temperature humidity Controller
IM3506 : Temperature Humidity Indicator
IM3507 : On / off type temperature humidity controller

IM3502 : On / Off type Humidity Controller
IM3505 : Humidity Indicator

Controllers with logging option are available as well. Following are the different models
IM3504L : Temperature Humidity controller with logging option.
IM3508 : Temperature humidity logger

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