

M/s Sonics Control Systems

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TEMPERATURE + HUMIDITY CONTROLLER TOUCH SCREEN



SPECIFICATION

- Microcontroller based, Humidity & Temperature controller
- Supply 24 V DC
- Temperature Sensor Input : RTD PT100
- Humidity Sensor Input: 1.) 3.3V, 5V, 10V
2.) 4-20mA (Factory Fix)
- Output: 1.) Dry Heater SSR/Relay
2.) Wet Heater SSR/Relay
3.) Cooling SSR/Relay
4.) Alarm

Data Logging In Pen Drive

Separate File of EVENT Data Logging (HI/Low Temp., Water Cut. Alm, Etc.)

- PID Control for Humidity & Temperature
- Range: Temperature 0-100.0 C (As per Sensor)
- Humidity 5 to 100% (As per Sensor)
- Temperature As per range adjustable in set mode.
- Humidity As per range adjustable in set mode.
- Settable logging time , date , month, Year , and Time for data logging function
- Ct 1 to 60 for ssr output
- Auto tuning require for pb, It & dt value of humidity & temperature
- Delay 0 to 250 second adjustable for cooling control
- Defrost on & off time setting for auto defrost
- Manual defrost by defrost Symbol on Process Screen
- Timer function enable/Disable
- Timer Hold & Run with respect to Humidity & Temperature control Band
- Memory of Time value
- Water level input (Potential Free contact – NC Healthy) to protect Wet Heater
- Low water level indication.
- Alarm on In case of sensor Break or water level low
- Alarm as per High And LOW Alarm band
- Relay trip if sensor break or connection open
- Calibration Error correction (No preset setting)

