

CLEAN ROOM MONITOR



Features

- Individual bright 7 segment Red LED displays for Humidity, Temperature and Pressure
- Alarm settings for all three parameters with in-built buzzer
- Visual annunciation of alarm by blinking of parameter display causing alarm
- Sensor supply for Humidity, Temperature and Pressure provided
- Sensors mounted on unit for stand alone application
- Aesthetically designed unit with sleek plastic body.
- Rear metal clamp for direct wall mounting

Specifications

- Display : 3 Digits 0.56" RED 7 Segment LED for Humidity.
3 Digits 0.56" RED 7 Segment LED for Temperature
3 Digits 0.56" RED 7 Segment LED for Pressure
- Range : a. 0-95% for %RH b. -20.0 to +80.0°C for Temperature
c. 4-20mA => -118 to +118 Pascal for Pressure
- Resolution : a. 0.1% for Relative Humidity b. 0.1°C for Temperature
c. 1 Pa for Pressure
- Control Logic : Buzzer ON for Pressure > Set Point for Pressure OR
Temperature > Set Point for Temperature OR
Humidity > Set Point for Humidity
- Alarm Indication : Blinking of display of parameter > Set Point with buzzer On.
- Accuracy : $\pm 2\% \pm 1$ Least Significant Digit for Humidity.
 $\pm 0.3^\circ\text{C} \pm 1$ Least Significant Digit for Temperature
 $\pm 2\text{Pa} \pm 1$ Least Significant Digit for Pressure
- Settings : Individual set points by front panel switches
- Memory : Non-volatile memory for saving all Set Points
- Power Supply : 230V AC $\pm 15\%$ at 50/60Hz (Supply cord provided)
- Mounting Type : Wall Mounting
- Front Facia : 6.2x6.7x2.2" (WxHxD) (without externally mounted sensors)
- Weight : 1.0 Kgs.

Terminal Connections

- Direct 3 pin lead with plug provided for 220V AC mains connection

Installation

Since the equipment is a wall mounted version, the clamp with keyholes provided at the rear can be easily hung vertically using two screws screwed into the wall.

Directions for Usage

Connect the supply cord provided to 220V AC mains. The display indicates the current temperature, humidity and differential pressure.

Setting the Set Point for Humidity

- Press the Mode switch. The Humidity display indicates the current Set Point for Humidity while the other two displays become blank
- Use increment and decrement switches to make the settings. The range is from 0-99.9
- The internal buzzer comes on when the instantaneous %RH > Set Point.
- After settings have been made, press the Mode switch to save setting and go to next.

Setting the Set Point for Temperature

- After previous setting, the Temperature display indicates the current Set Point for temperature while the other two displays become blank
- Use increment and decrement switches to make the settings. The range is from -20.0 to +80.0
- The internal buzzer comes on when the instantaneous Temperature > Set Point.
- After settings have been made, press the Mode switch to save setting and go to next.

Setting the Set Point for Pressure

- After the previous setting, the Pressure display indicates the current Set Point for Pressure while the other two displays become blank
- Use increment and decrement switches to make the settings. The range is from -118 to +118
- The internal buzzer comes on when the instantaneous Pressure > Set Point.
- After settings have been made, press the Mode switch to save setting and return to normal display.

NOTE: During any of the above settings, if no key is pressed for 15 seconds, the display automatically reverts to normal parameters display