CLEAN ROOM TEMP. AND RH MONITOR

Features

- LED display Indication for Temperature, Humidity
- Remote Temperature and RH sensor Connection facility.
- Independent Programmable Alarm for Temperature, Humidity user programmable.
- In built Buzzer for Alarm set points with Acknowledgment facility.
- Software calibration facility.
- Password protected programming.
- Isolated RS-485 communication with Modbus RTU Protocol.

Applications

- Clean room application in Pharmaceutical
- Pharma Environments monitoring applications.
- HVAC (Heating, ventilation, Air conditioning, Cooling).
- Animal house clean room

TECHNICAL SPECIFICATIONS

Input


Range & Resolution

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Range</th>
<th>Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature</td>
<td>-40.0 °C to 100 °C</td>
<td>0.1 Resolution</td>
</tr>
<tr>
<td>Humidity</td>
<td>0% to 100 % RH</td>
<td>0.1 Resolution</td>
</tr>
</tbody>
</table>

Output

Relay: 2 No, 2A/24VDC for Temperature/RH User programmable

Indication

Display: 4 digit Seven Segment 0.4” Red LED display for Temp./ RH indication
Status indication: 2 LEDs for Alarms
Integrated Buzzer for process violation of Alarm limits any of the 2 parameters.

Communication

Communication: Isolated RS-485 communication with Modbus RTU Protocol
Programmable parameter: 9600 bps, Parity, Data bits, Stop bits
No. of salve ID: 1-250

Accuracy

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature</td>
<td>± 0.5% of FS</td>
</tr>
<tr>
<td>Humidity</td>
<td>± 3 % of FS</td>
</tr>
</tbody>
</table>

Programmable Parameters

Set point: Programmable as per input selection
Programming of parameters: 3 Nos. push button front keys (with password protection)
Alarm logic: High or Low, user programmable

Environmental

Operating Ambient Temp.: 0 to 50°C
Humidity: Below 90% RH, Non condensing.

Electrical

Supply voltage: 24VDC ± 10%
Power consumption: Less than 1.2 watt at 24VDC

Dimensions

Flush mounting plate: SS-304
Front plate size: 110 mm (W) x 90 mm (H)
Back enclosure: 76 mm (W) x 76 mm (H) x 45 mm (D) MS with powder coated
Mounting: Modular wall mounting with Stainless Steel Front

ORDERING INFORMATION

- A) Model No.
  1) 212
- B) TRH Sensor
  1) Integrated
  2) Remote (Length ≥ 1 meter)
- C) DP Range & Resolution
  1) Select Range & Resolution
- D) Communication Port
  1) None
  2) RS-485 serial port

* Before placing order please Refer the above ordering information or Contact below address for assistance.

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Your Partner for Clean Room Monitoring