TRANSITTERS

FEATURES

• Used for measuring temperature and/or relative humidity in remote or difficult to access locations
• Transmitters give suitably amplified and linearized to 0-10 VDC or 0(4)-20 mA signals for transmission over long distances
• Mounting Options
  - Wall mounting
  - Duct mounting
  - Immersion (for temp only)
• Wide range of measurements
• High accuracy

BENEFITS

• Long life solid state sensing
• High reliability
• Fast response
• Low hysteresis
• Low offset and drift
• Good reproducibility

TECHNICAL DATA

Sensing element
Temp : NTC Thermistor/Silicon
RH : High polymer type/Capacitive
Measuring range
Temp RH : Details overleaf
RH : Details overleaf
Accuracy
Temp RH : ± 1°C or ± 0.5°C
: ± 5% or ± 2%
Operating voltage
: 24 V AC/DC
Output
: Details overleaf
Terminals
: Max. 2.5 sq. mm cable
Permissible ambient temp.
: -20 to +40°C
Protection
: IP 30/ IP 65
MODEL DESIGNATIONS

<table>
<thead>
<tr>
<th>Housing</th>
<th>Mounting</th>
<th>Temperature Range</th>
<th>RH Range</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 = IP30</td>
<td>W = Wall</td>
<td>T1 = 15°C to 35°C</td>
<td>H1 = 30-80%</td>
<td>V = Voltage: 0(2)-10V DC</td>
</tr>
<tr>
<td>4 = IP65</td>
<td>D = Duct</td>
<td>T2 = 0°C to 50°C</td>
<td>H2 = 0-100 %</td>
<td>I = Current: 0(4)-20 mA</td>
</tr>
<tr>
<td>I = Immersion</td>
<td>T3 = -30°C to 70°C</td>
<td>X = Not applicable</td>
<td>X = Not applicable</td>
<td></td>
</tr>
</tbody>
</table>

(for Temp. only)

CONSTRUCTION

IP 30

IP 65

WIRING DIAGRAMS

Temp.

Output

RH

Output

24V AC/DC

GND