Inside Sensor Box

For connection to external push buttons or key switches per zone and up to two Inside Temperature Sensors.

The Inside Sensor Box can be integrated into animeo IB+ and animeo IP solutions.

For DIN-rail installation.

Installation advantages

> Easy and quick commissioning in combination with the animeo IB+ Building Controller and animeo IP Building Controller.
> Spring connector with cable ties for safer and quicker installation.
> Status feedback through LEDs.

Functional advantages

> Optimised energy savings by taking into account inside temperature values.
> Inside Temperature Sensors enable easy extendability of energy saving options of the system.
> With the integration of the Inside Sensor Box the natural ventilation function in combination with window openers can be activated.

Wiring

<table>
<thead>
<tr>
<th>Connection</th>
<th>Cables</th>
<th>Twisted pairs</th>
<th>Max. distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>220–230 V AC</td>
<td>Min.: 3 x 1.5 mm²/15 AWG</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td></td>
<td>Max.: 3 x 2.5 mm²/13 AWG</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Temperature sensors</td>
<td>Min.: 2 x 0.6 mm²/22 AWG</td>
<td>–</td>
<td>500 m/1,650 ft</td>
</tr>
<tr>
<td></td>
<td>Max.: 2 x 2.5 mm²/13 AWG</td>
<td>–</td>
<td>1,650 ft</td>
</tr>
<tr>
<td>Switches</td>
<td>Min.: 3 x 0.6 mm²/22 AWG</td>
<td>–</td>
<td>100 m/330 ft</td>
</tr>
<tr>
<td></td>
<td>Max.: 3 x 2.5 mm²/13 AWG</td>
<td>–</td>
<td>330 ft</td>
</tr>
<tr>
<td>Sensor Bus</td>
<td>Min.: 2 x 0.6 mm²/22 AWG</td>
<td>Required</td>
<td>500 m/1,650 ft</td>
</tr>
<tr>
<td></td>
<td>Max.: 2 x 0.8 mm²/20 AWG</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

Classification

The Motor Controller is an electronically and manually-operated, independently-mounted control.

- Class A control function
- Type 1 action
- Pollution degree: 2
- Rated impulse voltage: 4 kV
- Temperature of the ball hardness test: 75 °C
- Type X attachment
- Method of attachment for non-detachable cords: screwless spring terminal
- EMC emission test: $U_{AC} = 230$ V AC, $I_{AC} = 0.04$ A (EN 55022 Class B emission)
**CHARACTERISTICS**

**WM Ref. 9001614**

**Supply voltage**  
220–230 V AC / 50/60 Hz

**Stand-by current (IEC 62301)**  
< 0.05 A @ 230 V / 50 Hz

**Stand-by power (IEC 62301)**  
< 4 W @ 230 V / 50 Hz

**Terminals**  
Spring connectors

**Operating temperature**  
0°C to 45°C

**Relative humidity**  
max. 85 %

**Material of housing**  
PC/ABS

**Housing dimensions (w x h x d)**  
90 x 210 x 63 mm

**Weight**  
520 g

**Degree of protection**  
IP 20

**Protection class**  
I (looped through PE connection – depending on the installation)

**Conformity**  
www.somfy.com/ce