animeo IP

BMS Interface

The BMS Interface provides communication between Building Management Systems and Somfy motorized shading systems. It is compatible with Stand-alone SDN, animeo IP/io and animeo IP/RS485 shade systems. This interface communicates through a direct connection to the building automation IP network or uses a BACnet translator box to send and receive signals. The BACnet to animeo IP provides third party communication to stand-alone SDN systems and animeo IP. When utilizing the interface Somfy motorized system devices provide feedback and could be controlled by the BACnet network.

Installation Advantages

- RJ45 connector for false prove connections.
- LED indicators providing information about the status of the product, the normal operation or a system error.

Functional Advantages

- Supports up to 1 500 data points.
- Integration capabilities: Modbus, BACnet MS/TP, BACnet IP.
- Programmable through user-friendly interface.
- Auto device discovery for animeo IP.
- System control for stand-alone SDN - controls individual or motors groups:
  - Position (%) - feedback on motors only
  - Position (absolute) - feedback on motors only
- Intermediate position
- Up, Stop and Down control
- System control for animeo IP - controls individual or motor groups, sensors and virtual keypads:
  - Position (%) - feedback on motors only
  - Up, Stop and Down control
  - Priority control
  - Sensor data - provides single direction information to BMS system
**Characteristics**

- **Bacnet Interface**: Ref. 1822558
- **Supply voltage**: 24 V DC
- **Stand-by current (IEC 62301)**: 250 mA
- **Stand-by power (IEC 62301)**: 2.5 W
- **Terminals**: Screw and RJ45 connectors
- **Operating temperature**: 0° C to 50° C
- **Relative humidity**: 5 - 90 % RH, non-condensing
- **Material of housing**: ABS plastic
- **Housing dimensions (w x h x d)**: 115 x 92 x 41 mm
- **Weight**: 450 g
- **Degree of protection**: IP20
- **Conformity**: www.somfy.com/ce

**Wiring**

<table>
<thead>
<tr>
<th>Connection</th>
<th>Cables</th>
<th>Twisted pairs</th>
<th>Max. distance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Somfy Digital Network</strong></td>
<td>CAT5</td>
<td>Required</td>
<td>1,000 m/3,300 ft</td>
</tr>
</tbody>
</table>
| **Power**           | Max.: 0.8 mm²/18 AWG  
                      | Min.: 0.5 mm²/20 AWG | -             | 10 m/33 ft          |
| **Ethernet Port**   | RJ45 CAT5       | Required      | 100 m/330 ft  |
| **Field**           | Max.: 0.8 mm²/18 AWG  
                      | Min.: 0.32 mm²/22 AWG | Required     | 1,000 m/3,300 ft  |