Data Panel
Item #: 1870260

OVERVIEW:

The **Data Panel** is a bus distribution component used to start or grow a Somfy Digital Network™ (SDN) system. This device adds 4 isolated bus segments to an SDN system. Each isolated bus segment output supports 255 devices, 4000 ft. of bus wiring per segment and supplies 100 power units. The in-wall or on-wall mountable enclosure offers separated line and low voltage areas for ease of installation. A built-in SDN DecoFlex Keypad provides a dedicated local control point for motors on the 4 bus segments and the included din rail is a convenient way to mount an animeo® IP Building Controller or Sub Controller for animeo IP systems.

SOMFY DIGITAL NETWORK SYSTEM OVERVIEW:

**Somfy Digital Network (SDN)** is Somfy’s intelligent wired shading network. An SDN system is comprised of bus distribution devices that create a network for user interfaces, motorized applications and sensors to be connected. SDN is scalable, and suitable for both small and large projects, and the same components are used whether an SDN system remains standalone, integrated into third party automation systems, or with Somfy’s animeo® IP automated total solar management system.

FEATURES SUMMARY:

- Adds 4 isolated bus segments to a SDN system
- Includes bus segment status LEDs
- Protects system components from miswiring
- Automatic Riser termination
- Can mount on-wall or in-wall (between studs)
- Din rail mount for animeo® IP Building Controllers
  - Front cover includes a keyed lock
  - Separated line and low voltage areas
  - SDN Decoflex Digital Keypad for convenient local control

CONNECTIONS AND INDICATORS:

<table>
<thead>
<tr>
<th>ELEMENT</th>
<th>FUNCTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4 Isolated Bus Segments</td>
</tr>
<tr>
<td>2</td>
<td>SDN Riser Input</td>
</tr>
<tr>
<td>3</td>
<td>SDN Riser Output</td>
</tr>
<tr>
<td>4</td>
<td>Power Input</td>
</tr>
<tr>
<td>5</td>
<td>DecoFlex Digital Keypad</td>
</tr>
<tr>
<td>6</td>
<td>Empty DIN Rail</td>
</tr>
<tr>
<td>7</td>
<td>Connection for Building Controller</td>
</tr>
<tr>
<td>8</td>
<td>Control Port</td>
</tr>
</tbody>
</table>

CABLE PINOUTS:

<table>
<thead>
<tr>
<th>1</th>
<th>Data +</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Data -</td>
</tr>
<tr>
<td>3</td>
<td>N/A</td>
</tr>
<tr>
<td>4</td>
<td>Power +</td>
</tr>
<tr>
<td>5</td>
<td>Power +</td>
</tr>
<tr>
<td>6</td>
<td>N/A</td>
</tr>
<tr>
<td>7</td>
<td>Ground -</td>
</tr>
<tr>
<td>8</td>
<td>Ground -</td>
</tr>
</tbody>
</table>

LED Indicators

<table>
<thead>
<tr>
<th>LABEL</th>
<th>ELEMENT</th>
<th>COLOR</th>
<th>FUNCTION ON</th>
<th>FUNCTION OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>P</td>
<td>Bus Power</td>
<td>Green</td>
<td>Power</td>
<td>No Power</td>
</tr>
<tr>
<td>L</td>
<td>Bus Low</td>
<td>Green</td>
<td>No Data</td>
<td>Data</td>
</tr>
<tr>
<td>H</td>
<td>Bus High</td>
<td>Green</td>
<td>Data</td>
<td>No Data</td>
</tr>
<tr>
<td>E</td>
<td>End Riser</td>
<td>Yellow</td>
<td>End of Riser</td>
<td>Not End of Riser</td>
</tr>
<tr>
<td>S</td>
<td>Segment 1-4</td>
<td>Green</td>
<td>Bus Segment Power On</td>
<td>Bus Segment Power Off</td>
</tr>
</tbody>
</table>

TECHNICAL SPECIFICATIONS:

- Input: 120V AC, 3.35A
- Output: 100 SDN Bus Power units per segment
- Material: Steel
- Dimensions: 18.9” L 14.4” W x 3.5” H (Inner)
- Dimensions: 21.3” L 16.4” W x 3.8” H (Inner with door)
- Maximum Wiring Distance: Each segment supports 4000 ft. total bus length for all connected devices
- Operating Temperature Range: Ambient temperature
- Shipping Weight: 18 lbs.
- Indoor rated
- UL Pending

WHAT’S IN THE BOX:

- Data Panel
- Instructions

SOMFY DIGITAL NETWORK SYSTEM OVERVIEW:

Somfy Digital Network (SDN) is Somfy’s intelligent wired shading network. An SDN system is comprised of bus distribution devices that create a network for user interfaces, motorized applications and sensors to be connected. SDN is scalable, and suitable for both small and large projects, and the same components are used whether an SDN system remains standalone, integrated into third party automation systems, or with Somfy’s animeo® IP automated total solar management system.
DIMENSIONS:

The diagram shown below is meant for illustrative purposes to show the connections from product to product. This device could be used in other configurations than shown below.

- Start or add 4 bus segments to system
- Each segment supports:
  - 4000 ft. of wiring
  - 255 devices
  - 100 power units