Data Hub

The Data Hub is a digital network bus distribution component that adds five device ports to a digital network bus line. The device ports support wire stubs with a maximum length of 200 ft. (A wire stub is an extension of the bus segment which connects the bus line to the user interfaces, motors or integration devices.) The wire stubs consist of any devices split away from the main bus distribution line in a system. Connected devices can include a keypad, radio technology receiver, motor or other network product.

A digital network system is comprised of bus distribution devices that create a network for user interfaces, motorized applications, and sensors. Digital networks are scalable, and suitable for small and large projects, and the same components are used whether a digital network is standalone, integrated into a third party automation system, or used with the Animeo® IP automated total solar management system.

PART NUMBER
39-5570-00

FEATURES
- SDN Power Units: Consumes 1 Power Unit
- Adds 5 device ports to the SDN bus line
- Wiring stub length up to 200 ft.
- Includes bus segment status LEDs for:
  - Power
  - Communication
  - End of line notification
- Protects system components from miswire
- Five-year warranty

TECHNICAL SPECIFICATIONS
- Input: SDN Bus Power
- Material: ABS
- Operates in ambient temperature
- Dimensions: 4.88" L x 2.24" W x .90" H
- Indoor use only
- Weight: 1 lb.
Data Hub

WIRE DIAGRAM

From bus and sensor power supply

Data Hub

To next data hub

Data Cable

120 VAC

CABLE PINOUTS

1 - Data +
2 - Data -
3 - N/A
4 - Power +
5 - Power +
6 - N/A
7 - Ground -
8 - Ground -

CONNECTORS AND INDICATORS

<table>
<thead>
<tr>
<th>Element</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Device Port</td>
<td>5 device ports to the digital network system (each port has 200 ft. wire length limitation)</td>
</tr>
<tr>
<td>2 Digital network Bus Input</td>
<td>Input for bus signals</td>
</tr>
<tr>
<td>3 Digital Network Output</td>
<td>Output for bus signals</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>A</td>
<td>A (activity)</td>
<td>Green</td>
<td>Data</td>
<td>No Data</td>
</tr>
<tr>
<td>I</td>
<td>I (Idle)</td>
<td>Green</td>
<td>No Data</td>
<td>Data</td>
</tr>
<tr>
<td>E</td>
<td>Yellow</td>
<td>Green</td>
<td>End of Bus</td>
<td>Not End of Bus</td>
</tr>
</tbody>
</table>