Nano Box
Installation Instructions

120V AC - SDN

INSTALLERS: Please leave this manual with the owner.

PART NO. 400027

Screen Innovations
9715-B Burnet Rd, Suite 400 Austin, TX 78758
512.832.6939
www.screeninnovations.com
PARTS LIST - NANO BOX - 120V AC - SDN

Shades
375 Box
475 Box

Wall Brackets
Screws Included
(3 per Bracket)

Leveling Shims (4 per shade)

Terminal Blocks

Spacer Blocks (optional - 4 per shade)
Longer Screws Included

SPACER BLOCKS AND LEVELING SHIMS (OPTIONAL)

Spacer Blocks - used to clear an obstruction in the fabric path.

Connect spacer blocks to shade brackets before installation.
Note: Do not use more than 4 spacer blocks per bracket.

Leveling Shims - used if the window frame is out of level.

Connect to shade brackets before installation.
Note: do not use more than 2 leveling shims per bracket.
1. Terminate pre-wire with the supplied terminal block

2. Install the wall brackets 4 - 6 inches in from the end of the shade with the supplied screws. (The closer to the end of the cassette, the better)

3. Make sure the wall bracket lever is down (may already be down).

4. Install terminal block bracket between jamb and wall bracket on the pre-wire side using the supplied screws.

5. Push power cable into the pre-wire hole

Note:
- Motor cable is not plenum rated. Terminate accordingly.

⚠️ Never connect 120V AC power to the supplied terminal block.
6. Connect shade data cable to pre-wire and snap into terminal block bracket

7. Hang shade onto wall brackets and center in the opening

8. Use thumb to lock shade in place

LINE VOLTAGE (120V AC)

Connect data only. DO NOT connect 120V AC power to terminal block.
SDN shades are programmed using the Screen Innovations SIFI via the web interface. This programming can be done with a Windows or Mac computer either over LAN or wired directly to SIFI. The following instructions are for a Windows computer, but the steps for programming on a Mac are very similar. For a complete guide to program SIFI on a Mac, please visit our website.

Before attempting to program any motors with SIFI, verify that the firmware is up to date. To adjust the lower limit of an SDN shade, follow the steps below.

1. Launch Windows File Explorer
2. Click on the “Network” tab
3. Double click on the SIFI, the default web browser will launch
4. At the landing page, click the three lines in the top right corner, then click “Settings”
5. Select the “SDN” tab on the top left
6. Press the spyglass to auto discover motors on the SDN network (may have to press it more than once)
7. Click on the motor you want to program
8. Name the motor
9. Right click on the down limit count
10. Move the shade up or down using the buttons in the popup window
11. Click set to confirm the limit
12. Operate the shade up and then back down to verify the position of the limit

Connect SIFI as shown below.

### Troubleshooting - SDN

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Cause</th>
<th>Action to Take</th>
</tr>
</thead>
<tbody>
<tr>
<td>For SDN</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shade won’t operate.</td>
<td>Motor is not powered.</td>
<td>Have an electrician or approved personnel verify 120V AC to the shade.</td>
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<tr>
<td></td>
<td>Incorrect or poor cable termination.</td>
<td>Check the wire pinouts and termination. Look for broken, loose, or damaged wires. Reterminate if necessary.</td>
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<tr>
<td></td>
<td>SIFI is not powered.</td>
<td>To verify the si.fi is powered look for a green LED flashing on the board, this light will either be steady on or flashing. If no light is visible make sure power is available via the bus power supply or PoE.</td>
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<tr>
<td></td>
<td>SIFI is not on the local network.</td>
<td>Use the service keypad (if available) to validate the SDN network and motors are operating properly before troubleshooting SIFI network problems. Check that the SIFI is communicating on the local network. Ping the device via the windows command prompt, or make sure the device shows up in the network tab of the Windows File Explorer.</td>
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