Installation Instructions
Fascia for Motorized Dual Roller FlexShade

Tools Required:
- Tape Measure
- Pencil
- Power Drill
- Fastening Hardware (By others)

Mounting Endcaps (Brackets)
1. Snap endcap covers onto endcaps. The proper orientation of Left-Hand, Right-Hand, Front and Back is molded onto endcap covers (see Fig. 1).
2. Mark wall, jamb or ceiling for placement of mounting endcaps.
3. Drill small starter hole (if necessary) in mounting surface.
4. Mount endcaps using appropriate fasteners for surface.

**NOTE:**
The installer is responsible for selecting appropriate mounting hardware for site conditions.

1. Place operator (motor) end of rear shade into its endcap (Fig. 2).
2. Slide notched pin into idler endcap. Secure with retainer clip and lock into place with rotating idler lock. (see Fig. 3)

Installing Fascia
1. Place groove along top of fascia over endcaps, and snap into place (Fig. 4).

**Caution**
1. Inspect all boxes to make sure you have received the proper shades and parts. Controls may be shipped separately, or in same carton as shades.
2. Open cartons lengthwise.
3. Before connecting switches, controls, or electrical, make sure power is off. Wiring indicated in diagram by dashed lines must be completed by an electrician.
4. Do not wire motors in parallel without written permission from Draper.
5. It is the installer’s responsibility to make sure appropriate fasteners are used for mounting surface.
6. All endcaps, fascia, and other hardware must be installed level. Shades must be level and square.
7. Please read the following installation guidelines thoroughly and follow them carefully. Failure to do so may cause product to fall or otherwise fail, and invalidates warranty.

1. Use cord strap to secure electrical cord to endcap. This will prevent the electrical cord from getting caught on the roller and causing damage to the shade.
2. Repeat with front shade.

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**Figure 1**
Endcap Cover

**Figure 2**
Operator End

**Figure 3**
Idler End

**Figure 4**
Installing Fascia

Once in place, check for secure fit. If not secure, secure with appropriate fastener (not included).
Pocket Headbox Installation

The Dual Roller FlexShade can also be installed in a pocket in the ceiling. You must provide adequate clearance for removal of the Roller Assembly during installation and maintenance.

The Pocket Headbox for the Dual Roller FlexShade must be mounted directly to the ceiling, or to a continuous blocking that has been secured to the building structure (see Fig 6 below).

1. Lift the headbox into mounting position. Mark the location of the optional pre-drilled pocket mounting holes and the Endcap mounting holes on the top side of the headbox (Fig.) on the ceiling or continuous blocking.

2. Drill small starter hole (if necessary) in mounting surface.

3. Mount pocket headbox using appropriate fasteners for surface.

NOTE: The installer is responsible for selecting appropriate mounting hardware for site conditions.

4. Mount endcaps using appropriate fasteners for surface. Refer to "Mounting Endcaps" section, steps 3 through 10 beginning on page 1.

5. While the motor is in motion, pressing STOP for less than two seconds will stop the viewing surface at its present position.

6. Once the motor is stopped, pressing the STOP button will move the shade to its alternate format position.

7. Please Note: Pressing and releasing the UP button on the switch will move the shade to its upper limit. Pressing and releasing the DOWN button will move the shade to its lower limit.

8. When the motor is at rest or in motion, for at least three seconds it will record a new alternate format position.

9. Please Note: 5V DC must be connected to be able to set limits using the wall switch.

10. For low voltage wiring requirements, Draper recommends consulting with a professional low voltage electrical contractor. It is very important that shielded and stranded CAT 5 cable be used to prevent any electrical interference.

11. Please Note: All operating switches should be “off” before power is connected.

12. It is essential that endcaps are fastened securely to the mounting surface and are not able to move from side to side.

13. Set the ILT switch to the motor via the terminal blocks, or via the modular port using four conductor modular cable. When using modular cable, the cable connectors MUST NOT be crimped in reverse, as with standard telephone cable.

14. Set the slide switch to the lower position. Press and hold the DOWN button on the switch to move the shade to the desired lower limit. If the shade moves in the opposite direction, release the DOWN button and depress the STOP button. This will reverse the operation of the UP and DOWN switches.

15. Set the slide switch to the higher position. Move the shade to the desired upper limit by pressing and holding the UP button on the wall switch.

16. Operate shade to desired “down” stopping position. Set limit by turning the proper screw toward the “+” to raise the limit, and “-” to lower it.

17. Operate shade to desired “up” stopping position. Set limit by turning the proper screw toward the “+” to raise the limit, and “-” to lower it.

18. Limit Switch Adjustments

Limit Adjustments (Built-in Low Voltage Motors—See Fig. 8)

1. Connect the ILT switch to the motor via the terminal blocks, or via the modular port using four conductor modular cable. When using modular cable, the cable connectors MUST NOT be crimped in reverse, as with standard telephone cable.

2. Set the slide switch to the lower position. Press and hold the DOWN button on the switch to move the shade to the desired lower limit. If the shade moves in the opposite direction, release the DOWN button and depress the STOP button. This will reverse the operation of the UP and DOWN switches.

3. Set the slide switch to the higher position. Move the shade to the desired upper limit by pressing and holding the UP button on the wall switch.

4. Return the slide switch to the center position to return to normal operation.

5. To set the shade to an alternate format position, move the shade to the desired position and press the STOP button. Press and hold STOP for at least three seconds to record the position.

Electrical Connections

Shade operates on 110-120V, 60 Hz. current. Shade is shipped with internal wiring complete and control switch(es) fully boxed, and supplied with a 6' cable lead. Longer lead can be substituted by removing two screws in motor end of roller, removing lead, plugging new lead in, and replacing screws. Wire to connect shade to switch(es) and switch(es) to power supply should be furnished by installer. Connections should be made in accordance with attached wiring diagram, and wiring should comply with national and local electrical codes. DO NOT wire motors in parallel without written permission from Draper.

Please Note: For low voltage wiring requirements, Draper recommends consulting with a professional low voltage electrical contractor. It is very important that shielded and stranded CAT 5 cable be used to prevent any electrical interference.

Push Button Limits

1. Fully depress both limit switch push buttons, then operate wall switch to make sure system works properly.

2. Raise shade to desired “up” stop position.

3. Set upper limit by depressing and releasing the proper (back) push button.

4. Lower shade to desired “down” stop position.

5. Set lower limit by depressing and releasing the proper (front) push button.

Screw-Type Limits

1. Determine which direction of fabric travel corresponds with arrows on motor.

2. Operate shade to desired “down” stop position. Set limit by turning the proper screw toward the “+” to lower the limit, and “-” to raise it.

3. Operate shade to desired “up” stopping position. Set limit by turning the proper screw toward the “+” to raise the limit, and “-” to lower it.

Low Voltage

To Motor with Built-In Low Voltage

To Motor with Built-In Low Voltage

Optional

Built-In Slide Switch

Back View

Position Function

<table>
<thead>
<tr>
<th>POSITION</th>
<th>FUNCTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOWN</td>
<td>Set LOWER limit</td>
</tr>
<tr>
<td>UP</td>
<td>Set UPPER limit</td>
</tr>
<tr>
<td>CENTER</td>
<td>Normal Operation</td>
</tr>
</tbody>
</table>

Please Note: Pressing and releasing the UP button on the switch will move the shade to its upper limit. Pressing and releasing the DOWN button will move the shade to its lower limit.

While the motor is in motion, pressing STOP for less than two seconds will stop the viewing surface at its present position.

Once the motor is stopped, pressing the STOP button will move the shade to its alternate format position.

Pressing and holding the STOP button, when the motor is at rest or in motion, for at least three seconds will record a new alternate format position.

Please Note: Pressing and releasing the UP button on the switch will move the shade to its upper limit.

Pressing and releasing the DOWN button will move the shade to its lower limit.

Please Note: 5V DC must be connected to be able to set limits using the wall switch.
Field Adjustments
Each Draper Solar Control Shade is tested to ensure proper operation. Even with this testing, some field adjustments may be needed for telescoping. If the shade is telescoping, place a piece of high quality gaffer tape about 1" wide on the exposed roller (where the fabric will cover it) on the side that you want the fabric drawn toward. For example: if the fabric is tracking to the left, place the tape on the right side.

Cleaning and Maintenance
Window covering products manufactured by Draper, when properly installed, should require no operational maintenance or lubrication. Most of Draper's standard fabrics may be cleaned at the window by vacuuming with a soft brush attachment. They may also be cleaned by using a sponge or soft cloth and mild solution of warm soapy water. A dishwashing liquid, such as Ivory liquid, is recommended. A clean dry cloth is recommended for the metal finish. Exceptions are Flocké, Roc-Rol, Vizela, Avila Twilight, Edessa Twilight and SW7000 fabrics, which must be cleaned with a dry art sponge.

Endcap & Fascia Dimensions

Pocket Headbox Dimensions
Dual Roller FlexShade Pocket Headbox - Dimensions

Shade Width and Rough Opening will vary depending on motor selection.
Fascia for Motorized Dual Roller FlexShade by Draper

Controls & System Overview
Sonesse 120VAC Motors

- 110V MOTOR
- M12 Connector
- Control Switch (Single Gang Box by others)
- Dashed Wiring by Electrician

NOTE: Test shade operation. If shade direction does not correspond with the switch orientation, turn power back off and switch the red and black wires from the motor to the switch. Do not wire motors in parallel without written permission from Draper.

Controls & System Overview
Sonesse RTS 110VAC Motors

- RTS MOTOR 110V
- M12 Connector
- Telis 1 RF Remote
- Dashed Wiring by Electrician

Controls & System Overview
Sonesse 485 120VAC Motors

- Bus Power Supply
- LAN
- BUS OUT to NEXT DATA HUB
- Dashed Wiring by Electrician

M12 CONNECTORS

M12 Connector for 3-Wire Motors

- M12 Connector
- To Motor
- 1 - BLACK
- 2 - WHITE
- 3 - NOT USED
- 4 - GREEN
- Ø 0.61” 15.5 mm
- 12” 30.5 cm Standard
- 60” 1.5 m Standard
- 110-120V Line

M12 Connector for 4-Wire Motors

- M12 Connector
- To Motor
- 1 - BLACK
- 2 - WHITE
- 3 - RED
- 4 - GREEN
- Ø 0.61” 15.5 mm
- 12” 30.5 cm Standard
- 60” 1.5 m Standard
- 110-120V Line

Wiring Distance to Motor
- 240 ft with 14AWG
- 150 ft with 16AWG
- 100 ft with 18AWG

Dashed Wiring by Electrician

NOTE: Test shade operation. If shade direction does not correspond with the switch orientation, turn power back off and switch the red and black wires from the motor to the switch. Do not wire motors in parallel without written permission from Draper.