

# Installation Instructions

## Motorized FlexShades by Draper

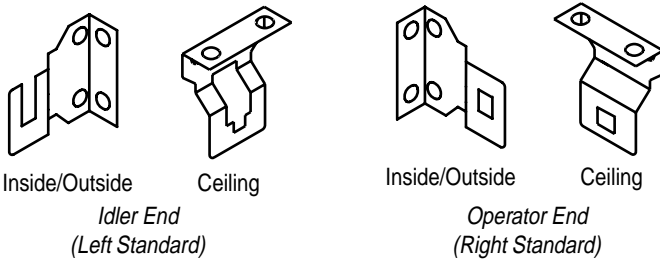
### Caution

- 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 All brackets, fascia, headboxes, pockets, wall clips, and other hardware must be installed level. Shades must be level and square.
- ④ Before connecting switches, controls, or electrical, make sure power is off. Wiring indicated in diagram by dashed lines *must be completed by an electrician*.
- ⑤ Do not wire motors in parallel.
- ⑥ It is the installer's responsibility to make sure appropriate fasteners are used for mounting surface.
- ⑦ Please follow installation guidelines carefully. Failure to do so invalidates warranty.

### Mounting Brackets and Endcaps

- ① Mark wall, jamb or ceiling for placement of mounting brackets.
- ② Drill small starter hole in mounting surface (if necessary).
- ③ Mount brackets using appropriate fasteners for surface (see Fig. 1 for bracket and endcap types).

#### Mounting Brackets



#### Endcaps

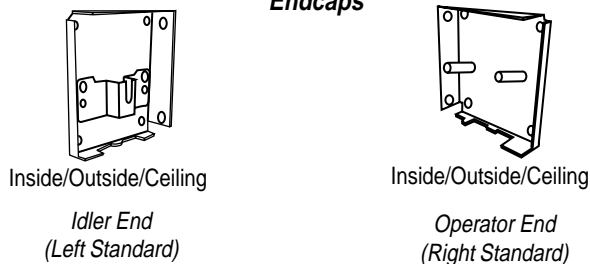


Figure 1

### Shade Installation

- ① Place operator (motor) end onto its bracket, then slide notched pin on idler end into slot on bracket. Attach retainer clips to idler end (see Fig. 2) (and also to motor end if using endcaps or headbox).

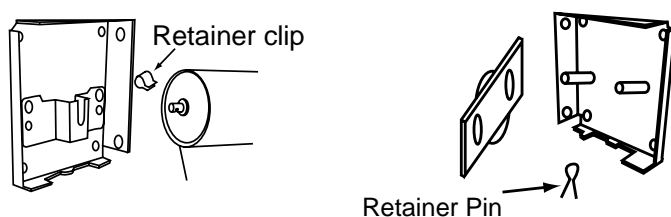


Figure 2

# DRAPER

### Coupler Assembly

- ① Mount brackets/endcaps (see "Mounting Brackets and Endcaps" above).
- ② Attach operator (motor) end of first shade to the bracket and insert coupling into other end roller (see Fig. 3).

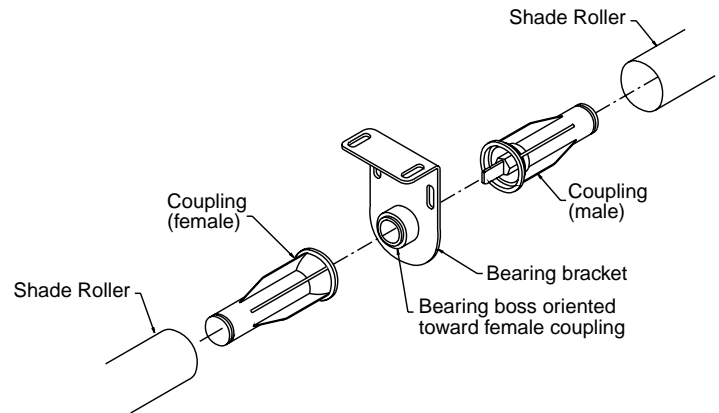


Figure 3

**NOTE:** Couplings are designed with fins, which slide into the slot in the fabric roller, locking them in place.

- ③ Slide bearing bracket onto coupling, and mount bearing bracket.
- ④ Install next shade by inserting coupling into shade, then into bearing bracket.
- ⑤ For more than one coupler, repeat steps 2 through 4.
- ⑥ Attach final shade's idler end to end bracket.

### Fascia

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

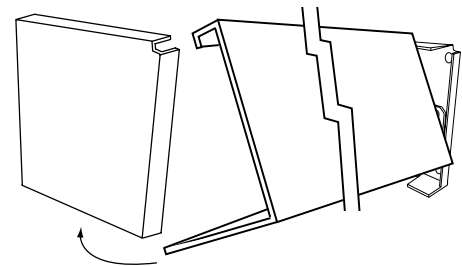


Figure 4

### Type "D" Pocket

- ① Drill holes through pocket for wall or ceiling mount. Attach using appropriate fasteners.
- ② Attach brackets (if necessary) according to installation: wall, jamb, or ceiling (see "Mounting Brackets or Endcaps" section). Install roller assembly (see "Shade Assembly" section).
- ④ Put removable closure in place (see Fig. 5).

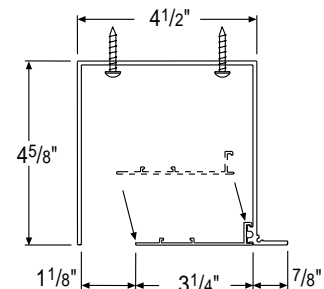


Figure 5

## Wall Clips & Closure

- 1 Install roller assembly mounting brackets or endcaps (see steps under "Mounting Brackets or Endcaps").
- 2 Drill holes and attach clips for removable closure panel (See Fig. 6).

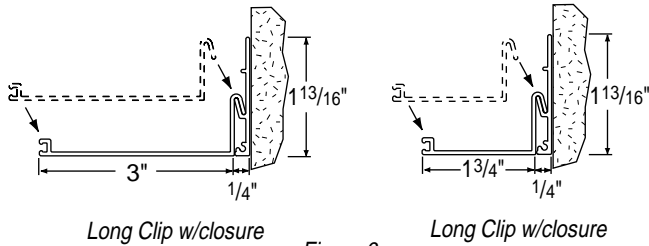


Figure 6

- 3 Install roller assembly (See "Shade Assembly").
- 4 Place removable ceiling closure in groove.

## Headbox

- 1 If the shade has a detachable crank handle, remove the universal joint and shaft assembly from the bottom of the end cap by removing 2 screws (Fig. 7). Save universal joint & screws.

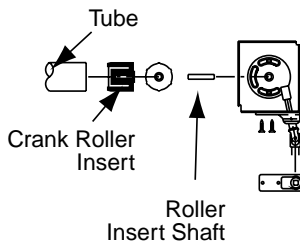


Figure 7

- 2 Remove face cover from head box by pulling down and out on the bottom edge of cover near end caps. It will snap off (see Fig. 8). For pocket style headbox, remove screws at endcaps. The bottom closure snaps down and off at endcaps then slides out of slot in headbox (see Fig. 8).

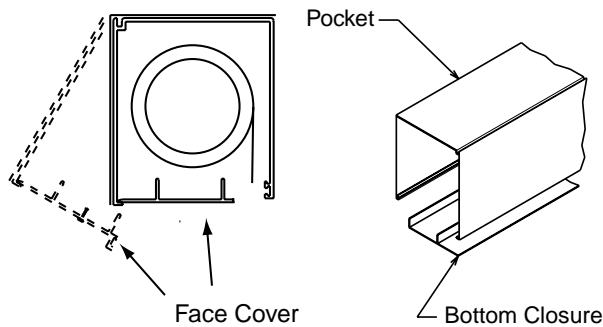


Figure 8

- 3 Remove roller assembly from headbox. Remove the black plastic retainer clip from idler end of roller and save. Lift idler out of the bracket and slide pin (to the limit of its travel) into the gudgeon assembly to facilitate removal of the roller assembly. Remove the roller assembly from the headbox.
- 4 If not already factory drilled, drill exit hole for electrical lead (see Fig. 9).

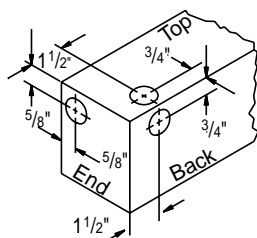


Figure 9

- 5 Install head box assembly using appropriate fasteners. For wall/ceiling mount, used pre-drilled holes in end caps, then drill through cover for wall/ceiling mount. For jamb mount, there are no pre-drilled holes. Drill through endcaps and attach. Replace roller and face cover.

## Adjustments

- 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 push button (See Fig. 10).
- 4 Lower shade to desired "down" stop position.
- 5 Set lower limit by depressing and releasing the proper push button (see Fig. 10).

NOTE: Each shade's limit switch must be set if using group control system.

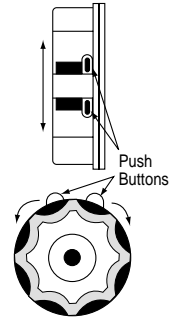
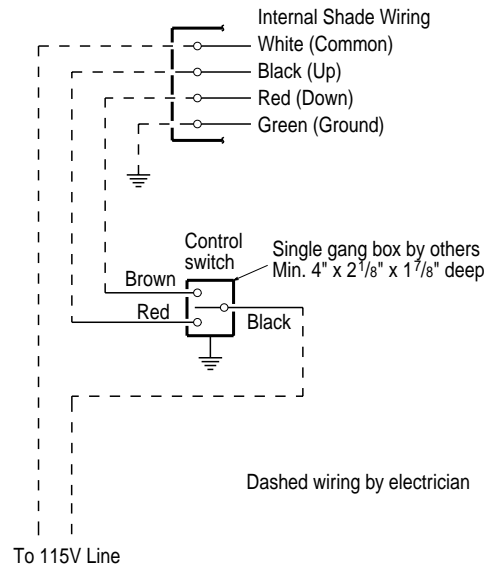


Figure 10

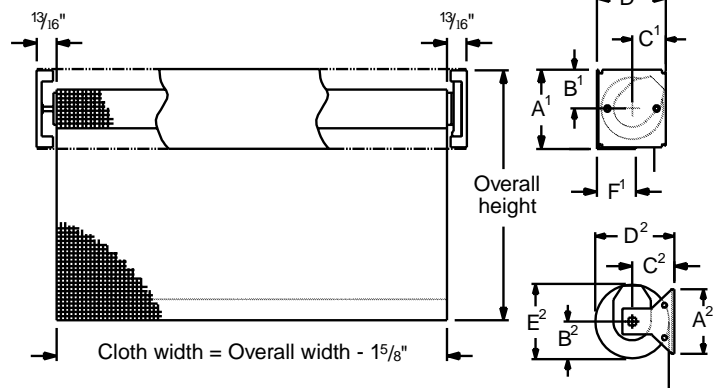
## Single Shade Wiring Diagram

For multiple shades or low voltage wiring, consult diagrams provided with control.



NOTE: This wiring diagram is for standard right-hand motor placement and fabric from rear of roller. It also applies for left-hand motor placement with fabric from the front of the roller. For left hand motor placement with fabric from rear of roller, or right hand motor placement with fabric from front of roller, Red becomes "Up" and Black becomes "Down."

## Motorized FlexShade Dimensions



### Headbox or Fascia with Endcaps

	Small	Large
A <sup>1</sup>	3 <sup>7</sup> / <sub>8</sub> "	4 <sup>5</sup> / <sub>8</sub> "
B <sup>1</sup>	1 <sup>15</sup> / <sub>16</sub> "	2 <sup>1</sup> / <sub>4</sub> "
C <sup>1</sup>	1 <sup>11</sup> / <sub>16</sub> "	2 <sup>1</sup> / <sub>4</sub> "
D <sup>1</sup>	3 <sup>3</sup> / <sub>8</sub> "	4 <sup>5</sup> / <sub>8</sub> "
F <sup>1</sup>	2 <sup>3</sup> / <sub>8</sub> "	2 <sup>5</sup> / <sub>8</sub> "

### Brackets

	Small	Large
A <sup>2</sup>	2 <sup>1</sup> / <sub>2</sub> "	3 <sup>1</sup> / <sub>4</sub> "
B <sup>2</sup>	1 <sup>3</sup> / <sub>8</sub> "	2"
C <sup>2</sup>	1 <sup>5</sup> / <sub>8</sub> "	2 <sup>1</sup> / <sub>4</sub> "
D <sup>2</sup>	3"	4 <sup>1</sup> / <sub>4</sub> "
E <sup>2</sup>	3 <sup>1</sup> / <sub>16</sub> "	4"

If you encounter any difficulties installing or servicing your Motorized FlexShade, call your dealer or Draper, Inc., Spiceland, Ind., (765) 987-7999, fax (765) 987-7142, or e-mail draper@draperinc.com.