Section 1 - Brackets

**Caution:** Before mounting shades, verify measurements on card provided with shade, and ensure brackets are installed at correct width.

*Please Note:* Installer is responsible for selecting mounting hardware appropriate for site conditions.

1. Mark wall, jamb or ceiling for placement of mounting brackets.
2. Drill small starter hole (if necessary) in mounting surface.
3. Mount brackets using appropriate fasteners for surface (Fig. 1).
4. Place spring-loaded pin into bracket, depress pin by pushing shade roller toward bracket, slip notches on operator end into other bracket, then press down to lock in place (Fig. 2).

Section 2 - Endcaps

**Caution:** Before mounting shades, verify measurements on card provided with shade, and ensure brackets are installed at correct width.

*Please Note:* Installer is responsible for selecting mounting hardware appropriate for site conditions.

1. For endcaps, snap end covers into place (Fig. 3).
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 (Fig. 4).
5. Place spring-loaded pin into idler endcap, depress pin by pushing shade roller toward endcap, slip notches on operator end into other endcap, then press down to lock in place (Fig. 5).

Section 3 - Fascia

1. Snap end covers onto endcaps.
2. Install endcaps and shade (see "FlexShade ReCharge—Endcaps" section).
3. Place groove along top of fascia over endcaps, and snap into place (Fig. 6). Fascia is not fully seated until it clicks into place on both ends. Once in place, check for secure fit. If not secure, secure with appropriate fastener (not included).

Section 3.1 - Reverse Roll Fascia (Fig. 7)

1. Mark mounting points.
2. Slide endcaps into extrusions.
3. Use pre-drilled endcap holes to mark fascia for drilling.
4. Attach endcaps to fascia using included hardware.
6. Install roller/fabric/operator assembly according to relevant instructions.
7. Attach endcap covers to endcaps. Use double-sided tape to help secure in place.

If you have any difficulties installing or servicing your FlexShade® ReCharge, call your dealer or Draper, Inc.
**Important Safety Information**

**WARNING**

Improper installation and use of FlexShade® ReCharge® can result in serious injury or death. Primarily, injuries can occur when the FlexShade® ReCharge® fails due to imprecise installation, mishandling of the FlexShade® ReCharge® during installation or installation on an insufficient wall or ceiling structure. Please use extreme care.

1. Please read the following installation guidelines thoroughly and follow them carefully. Failure to do so may cause product to fail or otherwise fail, and could result in serious injury.
2. Installation and calibration of the FlexShade® ReCharge® should only be performed by an authorized, qualified, and experienced professional. In particular, electrical work and wiring (indicated in diagram by dashed lines) must be completed only by a qualified professional electrician who has read this manual completely and is familiar with the construction and operation of this equipment and the hazards involved.
3. Do not affix the unit to wall or ceilings that have inadequate strength to permanently hold the unit during use. It is the owner’s and installer’s responsibility to confirm the wall or ceiling to which the unit attaches is sufficient to permanently hold the weight and stress loads of the unit at all times. Draper, Inc., is not responsible for improper installation, application, testing or workmanship related to the product at place of installation.
4. It is the installer’s responsibility to make sure appropriate fasteners are used for mounting.
5. All brackets, fascia, head boxes, pockets, wall clips, and other hardware must be installed level. FlexShade® ReCharge® must be level and square.
6. Never leave the area while operating the FlexShade® ReCharge® during installation, maintenance, or normal operation, unless it is secure and safe.
7. Before testing or operation, carefully inspect the entire area and path of the shade and areas underneath the shade to be sure no persons or objects are in the area.
8. Turn off power and any nearby equipment or cables carrying electricity before connecting switches, wires, controls, or electrical components.
9. Make sure the limit switches are pointed down or accessible when placing the motor in brackets/endcaps.
10. All motors should be tested and limits set down using test cord before shades are wired.
11. Do not wire motors in parallel without written permission from Draper, Inc.
12. During testing or operation, carefully watch the surrounding area for any potential safety concerns including nearby persons or objects.
13. After installation, the entire system, including all sensors, should be carefully tested to ensure safe and normal operation. Extreme care should be taken during testing to remain clear of moving parts to avoid possible injury.
14. Operation of FlexShade® ReCharge® should be performed only by authorized and qualified personnel, who have been trained in the safe and effective operation of the FlexShade® ReCharge® & understand its safety features.
15. The safety features of the FlexShade® ReCharge®, including sensors, should never be disabled, bypassed or overridden. The system should not be operated until all safety features, including the sensors, are properly and completely installed, calibrated and tested.
16. FlexShade® ReCharge® may need to comply with local, state or district rules and regulations, in particular when installed in schools. All applicable rules and regulations should be reviewed before installation and use.
17. Failure to precisely follow installation guidelines invalidates all warranties.
18. Custom products/installations may not be reflected in this manual. Call Draper, Inc., if you have questions about the installation of custom products or any questions about your installation.

**Before Beginning Installation**

1. Look for any job site conditions that could interfere with installation or operation of the system.
2. Read carefully and be sure to understand all installation instructions and all related operations manuals. These instructions are intended to serve as a guide for the installer and owner. They should be followed closely and combined with the expertise of experienced qualified installers. Draper, Inc., is not responsible for improper installation, application, testing or workmanship related to the product at place of installation. Please retain all instructions for future use.
3. Open cartons lengthwise.
4. Locate and lay out all pieces.
5. Inspect all boxes to make sure you have received the proper FlexShade® ReCharge® and parts. Controls may be shipped separately, or in same carton as FlexShade® ReCharge®.
6. If you have any difficulties with installing, servicing or operating your FlexShade® ReCharge®, call your dealer or Draper, Inc., (765) 987-7999.

**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 the fabric will be 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 also may be cleaned by using a sponge or soft cloth and mild solution of warm soapy water. A mild dishwashing liquid is recommended. A clean dry cloth is recommended for the metal finish.

**Please Note:** Exceptions are Flocké and Phifer SW7000 fabrics, which must be cleaned with a dry art sponge.
Section 4 - Headbox

**Caution:** Before mounting shades, verify measurements on card provided with shade, and ensure brackets are installed at correct width.

**Please Note:** Installer is responsible for selecting mounting hardware appropriate for site conditions.

1. Snap endcap covers onto endcaps.
2. Slide endcaps into back/top portion of wall/ceiling headbox or into pocket extrusion of large pocket headbox. Using pre-drilled holes, mark headbox for drilling.
3. Drill holes in back (wall mount) or top (ceiling mount), or in a pocket.
4. Attach endcaps and wall/ceiling headbox back/top or pocket headbox extrusion to wall, ceiling or pocket.
5. Install shade.
6. Attach headbox fascia or pocket closure (Fig. 6 & Fig. 8). Fascia is not fully seated until it clicks into place on both ends. Once in place, secure with appropriate fastener *(not included)* if necessary.

Section 5 - Charging Options

This motor has a 12V built in Li-ion battery pack with integrated charge management. Max power input for recharging: 12.6V / 1000mAh. Motor arrives charged from factory.

- Once battery has been depleted, motor must be charged for 6 hours using recommended AC charger.
- During operation, if voltage drops to less than 10V, motor will beep 10 times to indicate it needs to be charged.
- Motor will stop running when voltage is lower than 7V and resume when voltage is greater than 7.5V.

Section 7 - Initial Setup

### Section 7.1 - Exiting Sleep Mode

FlexShade ReCharge battery motors do not come preprogrammed from Draper unless specified on order. Upon leaving factory each motor is placed into “Sleep Mode” to avoid accidental operation during shipping. It is necessary to “Wake” motor before operation and setup.

1. To “Wake” motor and exit Sleep Mode ensure motor is installed and secured in mounting hardware.
2. Press programming (P1) button *(button or recessed based on motor size)* and quickly release. Shade will move to lower limit if preprogrammed.
3. The motor is now no longer in “Sleep Mode” and ready for further setup unless preprogrammed by Draper.

### Section 7.2 - Pair Motor with Controller

1. Select channel on controller to be paired with motor.
2. Press and hold P1 button on motor until motor responds with 1 jog and 1 beep.
3. Within 4 seconds, press and hold Stop button on remote until motor responds.

**Caution:** Consult user manual for information on selecting channel.

**Motor is now in programming mode and ready for setting limits.**

### Section 7.3 - Check Motor Direction

To check travel direction of shade, press UP or DOWN on controller.

**Motor Response:**

Quick Press = Step
Long Press = Continuous Travel

**Important:** Damage to shade may occur when operating motor prior to setting limits. Attention should be given.

To reverse shade direction, hold both UP and DOWN.

**Motor Response:**

**Important:** Reversing motor direction using this method is only possible during initial set-up.
Section 8 - Set Motor Limits

Move shade to desired highest or lowest position by pressing UP or DOWN buttons on controller.

To save upper limit, hold both UP and STOP.

To save lower limit, hold DOWN and STOP.

Important: After setting limits, motor will automatically exit from initial programming mode.

Important: Cycle shade up and down prior to setting limits to settle fabric.

Section 8.1 - Adjusting Upper Limit

Hold UP and STOP on controller. For 10-15 seconds screen will time out on remote: continue holding.

Motor Response:
- EXT. BEEP X1
- JOG X1

Approx.
- 5 sec

Section 8.2 - Adjusting Lower Limit

Hold DOWN and STOP on controller. For 10-15 seconds screen will time out on remote: continue holding.

Motor Response:
- EXT. BEEP X1
- JOG X1

Approx.
- 5 sec

Section 8.3 - Disable limit setting function of remote

To switch modes hold right button for 5 Seconds

Important: It is still possible to add/delete channels and perform P2 functions while lock function is enabled.

Important: This mode is intended to be used after all shade programming is completed. Locked Mode will prevent accidental or unintended changing of limits.

Section 8.4 - Reverse Motor Direction

Press and hold P1 button on motor for 10 seconds, 3 jogs and 3 beeps.

Motor Response:
- JOG X1
- JOG X1
- JOG X1

Approx.
- 10 sec

Important: Reversing motor direction using this method is possible at any time.

Section 8.5 - Factory Reset

Press and hold P1 button on motor for 14 seconds, 4 jogs and 4 beeps.

Motor Response:
- JOG X1
- JOG X1
- JOG X1
- JOG X1

Approx.
- 14 sec

Important: Resetting motor to factory settings will erase all programming, including any set limits.

FlexShade® ReCharge
Battery operated shades with Rechargeable Batteries