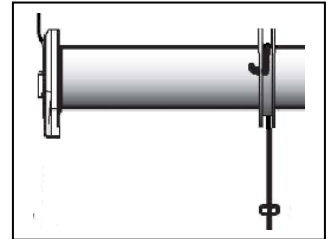# Assembly Instructions for Motorized Roller Lift Systems

1) **Lift Reels**

   Slide Lift Reels onto lift tube centering them directly over Lift cords. Attach lift reels to tube with screws provided ensuring that Lift Reel knot holes are all positioned on the same side and position on the tube. Carefully drill pilot holes with a 1/16" drill bit. ⚠ Do not drill through motor.

2) **Attach Shade to Board**

   Attach shade to board by means of Velcro or stapling.

3) **String Shade**

   Use of .9mm lift cord is recommended for light shades or 1.4 mm cord for heavier. The length of lift cord must equal the length of the shade + 8 inches. Direct the cord to the Lift Reel and through the inside opening of the knot hole. On the outside of the reel , tie a double or triple knot that is large enough so it will not pull through.

4) **Adjust Lift Cords with Orbs**

   With shade laying flat and square on table, string lift cord from Lift Reel down through the shade rings and through bottom of last ring. Loop cord through Adjusting Orb twice pulling any additional slack out of line. Do this for all lift cords ensuring the same amount of tension on all. **Note:** For heavier shades, once all lift cord tensions have been adjusted, tie a knot around Lift Orb so line will not pull out.

5) **Program Limits**

   Install shade in window or temporary work area so that movement is not restricted. Shade will be at the bottom limit, so programming will start from this point. **Note:** Only one shade can be programmed at a time. Disconnect power from all other shades except the one being programmed.

STEP ONE	Connect Power to Motor

1) Connect 12V battery wand or transformer to the motor.
   Motor should already be installed in shade.

UP Button

MY (stop) Button

DOWN Button

Channel Selector

Telis 4 Transmitter

STEP TWO	Initiate Programming – (for use with Telis 1 & 4, Decora 1 & 4 or Chronis Timer)

For Single Channel Transmitters (Telis 1, Decora 1, or Chronis Timer)

1) On the transmitter, press and hold the **UP** and **DOWN buttons** simultaneously
   until the shade jogs (shade has a short up and down movement).

For Multi-Channel Transmitters (Telis 4 or Decora 4)

1) Using the channel selector, select the desired channel.
2) On the transmitter, press and hold the **UP** and **DOWN buttons** simultaneously
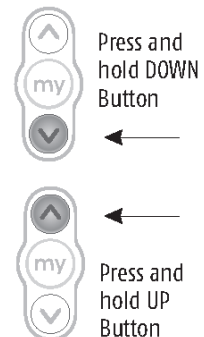   until the shade jogs.

Press and
hold UP &
DOWN Button

**NOTE: This step cannot be performed if the transmitter has already been programmed
(memorized) to shade.**

STEP THREE	Check Polarity (Shade direction) MUST BE DETERMINED BEFORE SETTING SHADE LIMITS

Press and hold the **DOWN button** and confirm the shade moves down.
Press and hold the **UP button** and confirm the shade moves up.
   ·If shade direction is correct, continue to Step 4.
   ·If shade direction is not correct (in reverse), press and hold the
   MY (stop) button on the transmitter for 2 seconds until the shade
   jogs. Shade direction is now corrected. Shade movement should
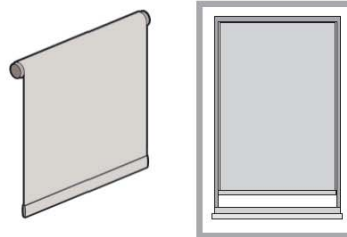   now correspond to the direction button on the transmitter.

Press and
hold DOWN
Button

Press and
hold UP
Button

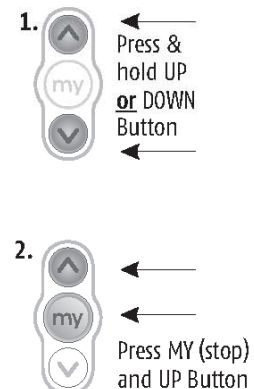| STEP FOUR	Setting Limits (Shade Positions)

Starting with shade in down position.

1) Press and hold the **UP or DOWN button** on
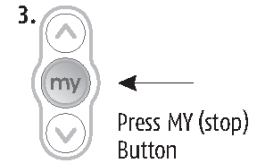   the transmitter to reach the desired lower
   limit (shade position).

**NOTE: During limit setting, shade operates in approximately 3ft. increments
only. If shade stops prior to reaching desired limit (final shade position) release
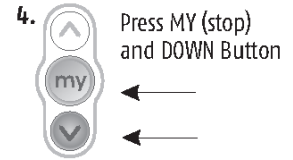then press and hold the down button until the shade begins to move.**

1.
Press &
hold UP
or DOWN
Button

2) Once the desired lower limit (shade position) is reached, press and hold
   the **MY (stop)** and **UP buttons** simultaneously until the
   shade begins to move up, then release.

2.
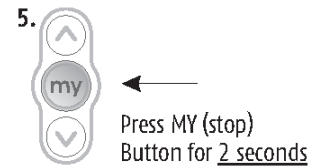Press MY (stop)
and UP Button

3) Press the **MY (stop) Button** when the shade reaches the desired upper limit (shade position). If necessary, adjust the desired shade position with a brief press of either the **UP or DOWN button**.

3.

Press MY (stop) Button

4) Once desired upper limit (shade position) is reached, press and hold the **MY (stop)** and **DOWN buttons** simultaneously until the shade begins to move down, then release.

4.

Press MY (stop) and DOWN Button

5) Once shade stops at previously set lower limit (shade position), press the **MY (stop) button** for 2 seconds until the shade jogs. This confirms both limits (shade positions).

5.

Press MY (stop) Button for 2 seconds

STEP FIVE	Completing & Exiting Programming Mode

Using a paperclip, press and hold the **PROGRAM button** on the back of the transmitter until the shade jogs. TRANSMITTER IS NOW MEMORIZED AND PROGRAMMING IS COMPLETE.

Note: If power is disconnected from shade before Step 5 is completed, TRANSMITTER WILL NOT BE MEMORIZED to the programmed shade however limits (shade positions) will remain programmed. If this occurs, go back and repeat step 2 (Initiate Programming). Then omit step 4 (Setting Limits) and resume with step 5.
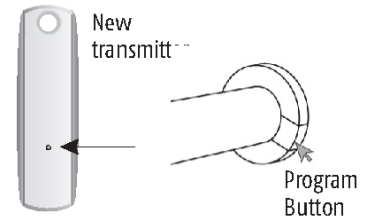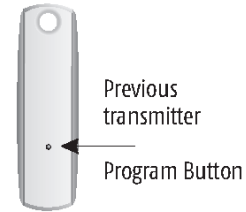
Program Button

Telis Transmitter (back view)

Shade is now programmed. For additional information see following pages.

Adding Additional Transmitters (Single Channel)

With a Remote Control

1) Using a paperclip, press and hold the **PROGRAM button** on the <u>previously addressed transmitter</u> until the shade jogs.

2) Using a paperclip, press and hold the **PROGRAM button** on the Additional (new) transmitter until the shade jogs. Additional (new) transmitter is now added to shade memory and can be used to operate shade.
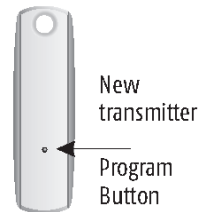
With the Program Button on the Motor

1) Using a paperclip, press and hold the **PROGRAM button** on the motor head, LED will blink once then remain on, release button and motor will jog.

   If you cannot see LED light (because of certain mounting constraints) press and hold **Programming button** for 2 seconds then release, shade will then jog.

2) Using a paperclip, press and hold the **PROGRAM button** on the Additional (new) transmitter until the shade jogs. The Additional (new) transmitter is now added to shade memory and can be used to operate shade.

Assigning Specific Channels to Shade (Multi-channel transmitters only)

1) Using a paperclip, press and hold the **PROGRAM button** on the <u>previously addressed transmitter</u> until the shade jogs.

2) Select the desired channel (1–4 or all) by momentarily pressing the **Channel Selector button** on the multi-channel transmitter.

3) Press and hold the **PROGRAM button** on the multi-channel transmitter until the shade jogs. Additional (new) channel is now added to shade memory and can be used to operate shade.

Note: To prevent unwanted Channel/Transmitter assignments, it may be necessary to unplug power from all previously programmed shades until programming is complete.
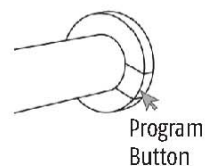
Deleting Specific Channels/Transmitters

1) Using a paperclip, press and hold the **PROGRAM button** on the <u>previously addressed transmitter</u> until the shade jogs.

2) Select the desired channel (1–4 or all) or transmitter (single channel) to be deleted.

3) Press and hold the **PROGRAM button** on the transmitter until the shade jogs. Channel or transmitter is now deleted from shade memory and will not operate shade.

To delete ALL transmitter channels: Using a paperclip, press and hold the **PROGRAM Button** located on the motor head until LED light begins to flash on and off, release button and motor will jog.
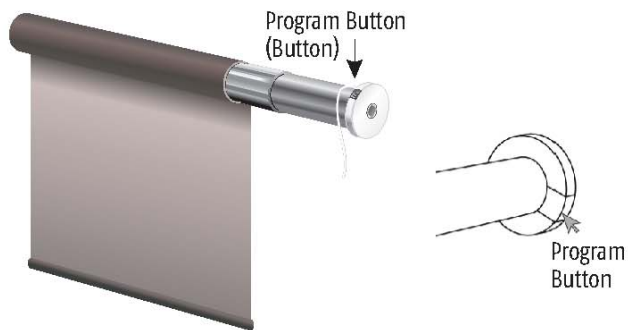
If you cannot see LED light (because of certain mounting constraints) press and hold **Programming button** for 7 seconds then release, shade will then jog.

Previous transmitter
Program Button

New transmitter
Program Button

Previous transmitter
Program Button
Channel Selector

New transmitter
Program Button

Previous transmitter
Program Button
Channel Selector

Program Button

To delete all previous settings: Using a paperclip, press and hold the **PROGRAM button,** located on the motor head for 12 seconds. All transmitters and limits will be erased.(Motor is now reset to factory mode.) Motor limits will need to be reestablished.

Program Button
(Button) ↓

Program
Button

OPTION ONE | **Setting an Intermediate Position (IP)**

1) Press the **UP or DOWN directional button** on the previously addressed transmitter until the shade reaches a desired intermediate position, then press the **MY (stop) button** to stop. If necessary adjust the desired position with a brief press of either the **UP or DOWN button.**

1.

Press UP **or** DOWN Button