

LIMIT SWITCH OPERATION

CHANGING THE SCREEN'S UPPER AND LOWER LIMITS TURN BUTTON LIMIT SWITCHES

Before changing the upper and lower limits of a motorized screen, the following notes are to be considered:

- For standard screen, unless otherwise specified, the factory set drop leader is 6 inches. The maximum drop leader may be increased to 12 inches if desired.
- For tab-tensioned screen, the drop leader is set to the requirement specified with the order. It may be decreased but may not be increased. The tensioned strings along the screen's vertical edges are fixed length and the screen will go into reverse wrapping if the drop leader is allowed to exceed its specified length.
- On Lectric I screens. When changing the upper limit, do not allow the Weight Bar to be pulled into the housing higher than shown in Figure 1a. The Weight Bar will jam the screen.
- For screen equipped with trap door, the upper limit of the screen is when the trap door just closed. The Door Close Limit (DCL) switch overrides the motor limit switch.

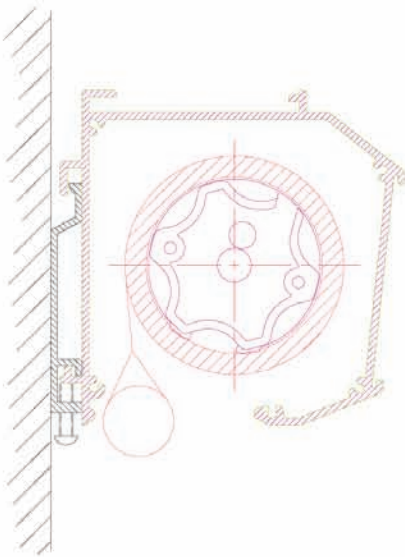


Figure 1a
Screen fully up position

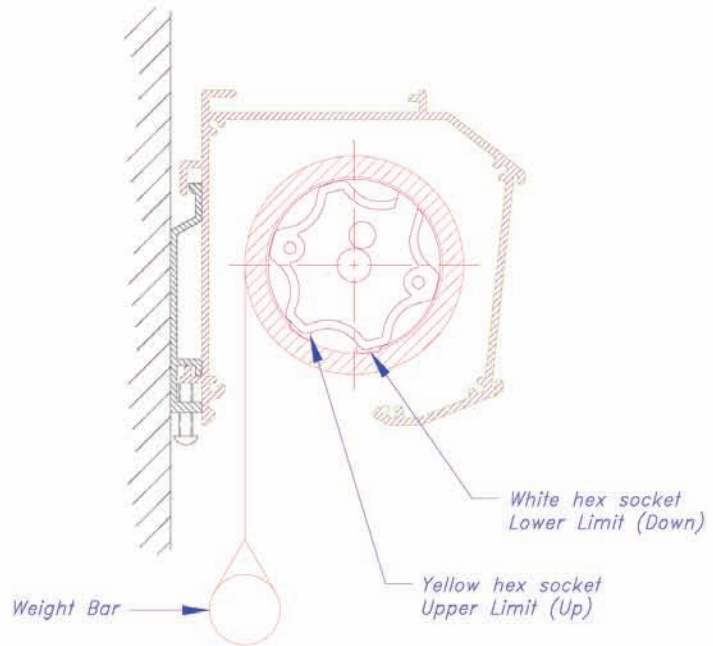


Figure 1b
Screen partially down position

- ♣ Use a 5/32 hex key or a small flat blade (1/8 inch wide) to turn the motor limit switches.
- ♣ Each full turn (360 degrees) of the hex socket will cause the screen to move approximately 3/4 inch.
- ♣ Counter-clockwise turn is defines as tightening a screw into ceiling.

CHANGING THE UPPER LIMIT

The following steps do not apply to screen with trap door!

- 1 - Send the screen to its upper limit.
- 2 - Determine the number of turns required to lower the screen past the desired upper limit.
- 3 - Turn the **yellow** hex socket **counter-clockwise** the number of turns determined in step 2.
- 4 - Send the screen down past the desired upper limit and stop.

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- 5 - Send the screen back up. The screen should stop below the desired upper limit. If it is not, repeat steps 2 through 4. Be sure the UP direction switch is turned on, turn the **yellow** hex socket **clockwise**; the screen will advance upward as each turn is made. Stop when the screen is at the desired upper limit.
- 6 - Send the down and up to check the upper limit setting. Repeat steps 2 to 5 as necessary.

CHANGING THE LOWER LIMIT

A *Raising the lower limit.*

- 1 - Send the screen down to its lower limit.
- 2 - Determine the number of turns required to raise the screen past the desired lower limit.
- 3 - Turn the **white** hex socket **counter-clockwise** the number of turns determined in step 2.
- 4 - Send the screen up past the desired lower limit and stop. Send the screen back down. The screen should stop above the desired lower limit. If it is not, repeat steps 2 and 3.
- 5 - The lower limit of the screen should be above the desired lower limit for this step. See Part B of Lowering the Lower Limit.

B *Lowering the lower limit.*

- 1 - Run the screen down to its lower limit.
Warning: Stop - The following steps do not apply to Tab-tensioned screen.
- 2 - Turn ON the screen down direction switch. Turn the **white** hex socket **clockwise**; the screen will advance downward as each turn is made. Stop when the screen is at the desired lower limit.
- 3 - Send the screen up and down to check the lower limit setting. Repeat Parts A and B as necessary.

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