



Dual Range SF25-0.7EP13W-2 Switch-Controlled Motor Programming Instructions

Motor Description and Wiring Requirements:

Technical Parameters

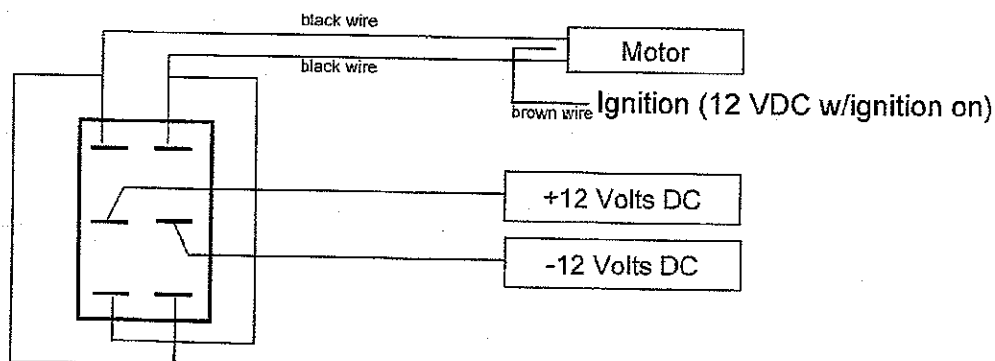
Power Supply: DC12V

Amperage: 800mA

Lift Capacity: 5Kg

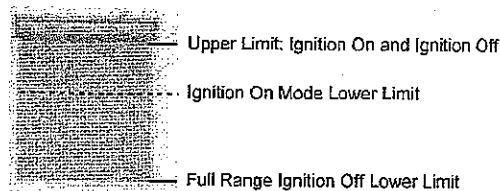
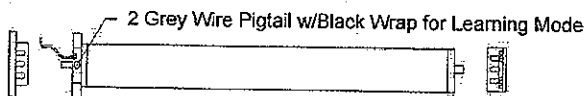
The switch-controlled motors have built-in electronics to memorize the upper and lower set limits for the shades after the initial setting in "ignition on" mode and "ignition off" mode. The connections to the motor are shown below

Dual Range Switch Control Motor: The motor connections determine motor running direction. Utilize a DPDT *Momentary On-Off-On Switch*.



Switch Diagram for using a Momentary On-OFF-On switch

Setting Limits for Switch Motor:



Note: You will be setting the "ignition on" upper and lower limits first.

1. Press the down switch and ensure shade is going down. If not, reverse the wire connections at the switch.
2. Turn on ignition.
3. With the shade at 1" - 12" down, press and hold the ends of the learning key wires together and the up switch at the same time. The shade will move approximately 8", stop and the motor will chirp. Release the switch and learning key wires. The motor will now be in the learning mode for setting "ignition on" range.

4. Press and hold the switch up until the shade reaches the approximate upper desired position then release switch. You may press the up switch again and again and the shade will move approximately .0625" up each time. To lock this upper set limit in place, press and hold the down switch until the motor chirps, then release switch.
5. To set the "ignition on" lower limit, press down switch and hold until your shade reaches the lowest point you want it to go at any time the owner is driving (usually no more than 15"). You may press the down switch again and again to fine tune the desired lower set limit. To lock this lower setting, press and hold the up switch until the motor chirps, then release switch.
6. The "ignition on" mode should now be set. With the key on, the shade can be brought down to your lower "ignition on" limit point only, or it can be stopped anywhere within that range by releasing the switch.
7. Turn ignition off.
8. Now to set full range "ignition off" limits, press and hold the up switch and the ends of the learning key wires together at the same time until the shade stops and the motor chirps. You are now in the learning mode for the full range "ignition off" settings.
9. Press and hold the down switch until the shade approximately reaches the lowest desired position for night privacy. To fine-tune, move the shade down in small increments of .0625" by pressing the down switch again and again until desired stop point is achieved.
10. To lock night privacy or full range "ignition off" lower set limit, press and hold up switch until the motor chirps, then release switch.
11. The last position is the full range "ignition off" upper set limit. Press and hold up switch until shade is close to the highest desired point, then release switch. Fine tune as desired, then to lock this set position, press and hold down switch until the motor chirps.

You now have 4 limits set. ("ignition on" mode, upper and lower, and night privacy or "ignition off" range upper and lower.

*If readjustment is needed, you must start over setting the "ignition on" mode limits **FIRST**, then the privacy "ignition off" limits.*

Operating Instructions for Switch Motor:

To use any switch-operated shade once installed, simply press and hold the up or down button for the appropriate shade. The switch-operated shades require the switch to be held until the shade either reaches its limit or the desired intermediate position. The shade can be stopped at any point by simply releasing the switch.

For Technical Assistance, please call 800.804.1757.

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