

SUREPOWER CONTROLLER INITIALIZATION

NOTICE

When initializing a legacy system the 15-amp fuse must still be used. The 5-amp fuse can be removed.

NOTE: Prior to proceeding with initialization, nothing should be plugged into the controller.

1. Make sure nothing is plugged into the controller.
2. Remove the 5-amp inline fuse from the orange wire from the vessel's power supply.
3. Make sure the 15-amp fuse is still in place for the power supply.
4. Connect the vessel power wire connector to the controller wire connector. Observe the status LED located on the lid of the controller.
5. The status LED should flash green. The number of flashes is determined by the length of the shade (i.e., 5 feet 5 flashes, 6 feet 6 flashes, 7 feet 7 flashes).
6. After the status LED green flashes, the LED will flash yellow twice denoting it is programmed as a SurePower controller.

NOTE:

- If the LED flashes **YELLOW** at this step (prior to connecting either actuator), you have either an incorrectly wired rocker switch or a stuck switch relay. **DO NOT PROCEED WITH CONNECTING THE ACTUATORS** until you have the LED flashing **RED** three times.
- If the LED stays a **SOLID YELLOW** at this step (prior to connecting either actuator), you do not have sufficient voltage (less than 9.4V). The shade will not run at any voltage under 10V.

7. Observe the status LED for repeatedly flashing red three times. Three red flashes denotes no encoders are present.

NOTE: The green wire connector from the controller is for the starboard actuator.

8. Connect the green starboard wire connector from the controller to the wiring harness connector for the starboard actuator. Observe the status LED. If the connection was successful, the status LED will flash red one time repeatedly.
9. Connect the orange wire connector from the controller to the wiring harness connector for the port side actuator. Observe the status LED. If the connection was successful the status LED should be solid green.

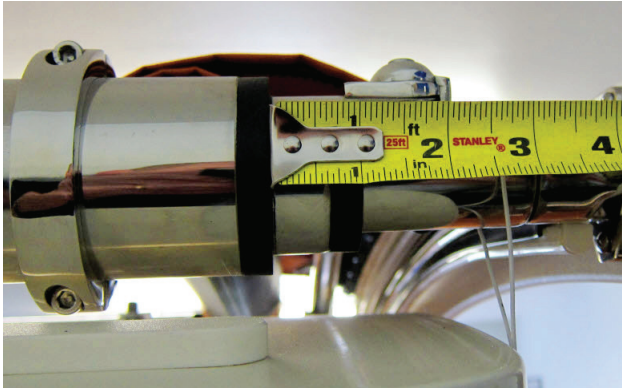
SUREPOWER CONTROLLER CALIBRATION

1. Using the key FOB remote, press and hold buttons 1 and 2 simultaneously. Continue to press and hold the buttons for 15 seconds while observing the status LED.

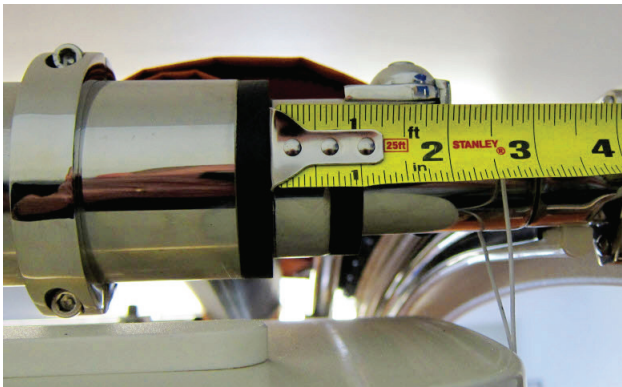


2. The status LED will begin to repeatedly flash yellow one time.
3. When this happens, release both buttons at the same time.

4. Adjust the port side actuator's home position to 1 inch by using button 1 or 2 on the key FOB remote. Button 1 will extend the actuator and button 2 will retract it.



5. Using the key FOB remote, press buttons 1 and 2 simultaneously and release.
6. The status LED should be showing two yellow flashes repeatedly.
7. Adjust the starboard actuator to 1 inch using button 1 or 2 on the key FOB remote.



8. Using the key FOB remote, press buttons 1 and 2 simultaneously and release.
9. The status LED should show three yellow flashes repeatedly.
10. Perform this step only if you need to move both actuators simultaneously. Use button 1 or 2 on the key FOB remote to extend or retract the actuators. If this step is not needed, simultaneously press and release buttons 1 and 2 to exit the calibration mode.
11. The status LED should be solid green if the calibration was successful.

INITIATING THE REMOTE KEY FOB

NOTE: This can be performed only when both actuators are disconnected.

USING THE MOMENTARY ROCKER SWITCH

1. Press and hold the Extend button until the status LED turns yellow.
2. Next press and release the Retract button three (3) times and then press the Deploy button. The status LED should turn solid red.
3. The remote can now be paired with the controller.
4. Press a button on a remote. If the status LED blinks green it is now paired.