

INITIATING THE SUREPOWER M3-LEGACY INTELLIGENT CONTROL BOX (ICB)

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., 8 feet 8 flashes, 10 feet 10 flashes).
6. After the status LED **GREEN** flashes, the LED will flash **YELLOW** denoting the controller's programming. Special note needs to be taken at this stage to be sure you are getting the correct amount of **YELLOW** flashes.

M3 Legacy 12-volt motor = 5 **YELLOW**

M3 Legacy 24-volt motor = 8 **YELLOW**

7. Observe the status LED for repeatedly flashing **RED** three times. Three **RED** flashes denote no encoders are present.

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 ACTUATORS UNTIL YOU HAVE THE LED BLINKING RED 3 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.

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**.

CALIBRATION PROCEDURE:

STEP 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. When you simultaneously press 1 & 2, the fob light should turn **SOLID BLUE** and the LED on the control box should turn **SOLID RED**. If this does not occur, try depressing the number 2 button 1/10th of a second before the number 1 button.



NOTE: The status LED will begin to flash **YELLOW**.

STEP 2 When this happens, release both buttons at the same time. At this point, you should be seeing one **YELLOW** flash.

STEP 3 Adjust the port side actuator's home position to 1.75 inches by using button 1 or 2 on the key fob remote. Button 1 will extend the actuator and button 2 will retract it.



STEP 4 Using the key fob remote, press buttons 1 and 2 simultaneously and release.

NOTE: The status LED should be showing two **YELLOW** flashes repeatedly.

STEP 5 Adjust the starboard actuator to 1.75 inches using button 1 or 2 on the key fob remote.

STEP 6 Using the key fob remote, press buttons 1 and 2 simultaneously and release.

NOTE: The status LED should show three **YELLOW** flashes repeatedly.

STEP 7 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.



NOTE: The status LED should be **SOLID GREEN** if the calibration was successful.

NOTE: All stages of extension tubes at the home position should measure 1.75 inches. The first stage is done electronically using the controller as explained above. The second two stages, if necessary, should be turned physically by hand.



PAIRING THE REMOTE KEY FOB:

This procedure is only necessary if the fob/ controller pairing was lost or this factory setup step was missed.

For the pairing process, you have 5-7 seconds to perform the steps below or the controller will exit programming mode.

STEP 1

Make sure actuators are disconnected.

STEP 2

Press ext on rocker switch for 3-4 seconds until status LED lights **SOLID YELLOW**

STEP 3

Hit retract 3 times (status LED will blink **YELLOW** with each press of rocker switch.)

STEP 4

Hit ext 1 time (status LED should be solid **RED**) this will mean the controller is in learn mode. Press either button on remote, LED will flash **GREEN**. Remote is now programmed.

STEP 5

Hook actuators back up and complete initialization process and make sure you have a solid **GREEN** status light.

