

SUREPOWER LEGACY ICB FAULT LIST

LED COLOR	Indication	Action Required
Solid Green	Controller is ready to operate	Shade is operable
Blinking Yellow	Rocker Switch Fault or stuck relay	Troubleshooting needed
Solid Yellow	Low voltage (<9VDC)	Check power supply
Solid Red	Indicates shade hit something during movement	Calibration required
Blinking Red	Failed motor/encoder or wiring	Troubleshooting needed.

ELECTRICAL FAULT – CONNECTION ISSUE:

Need to check all wire connections if receiving this fault code. Check all pins to deutch plugs as well as connection to both actuators/motors.

*Version 4.0 will only flash **7 reds**.*

Version 4.2 and later only for faults below.

1 Red Blink	Port Side Encoder Failure (could be faulty wiring and not encoder)
2 Red Blinks	Starboard Encoder Failure (could be faulty wiring and not encoder)
3 Red Blinks	Both Port and Starboard Encoders
4 Red Blinks	Port Motor Disconnected or Internal Failure
5 Red Blinks	Starboard Motor Disconnected or Internal Failure
6 Red Blinks	Both Port and Starboard Motors Disconnected or Internal Failure
7 Red Blinks	Shade is Racked – Calibration Required
1 Yellow, 7 Red Blinks	Shade is Racked due to Port Side – Calibration Required
1 Yellow, 7 Red Blinks	Shade is Racked due to Starboard Side – Calibration Required

If you are receiving a fault code of **4-12 YELLOW BLINKS** repeatedly at time of initialization, this indicates an internal failure and the controller will need to be replaced. Please fill out a service request form and a service coordinator will reach out within 24-48 hours of receipt of form.

CALIBRATION OF CONTROLLER USING REMOTE KEY FOB

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 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 inch 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 inch 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.

If you are still experiencing issues after following this document, give us a call at (877) 333-8323.





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