

# DC LEISURE PRO SHORE COMMANDER

## Troubleshooting Guide

### ( GRAY CONTROL BOX )



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### GENERAL INFORMATION SHORE COMMANDER ADVANTAGES

#### Safety

- No fingers getting caught in crank wheel or rubber wheel drive.
- Anyone is able to use the lift with more ease. Eliminating the wheel also allows more room to enter and exit the boat lift.
- Keypad access limits who can operate the lift. Keeps small children from being able to operate (without the key fob).
- A light is included for better night / early a.m. visibility.
- Limit switch is available to prevent over winding the cable.
- Safe and reliable, worm gear drive replaces industry standard, ratchet pawl wheel lock mechanism.

#### Easy To Operate

- Wireless remote control! No more cranking! Remote has up to 100 feet of range.
- If you forget your remote key fobs or lose them, use your keypad code to access the operating controls.
- If you lose power, a manual backup bit is provided for use with a cordless drill to run the lift up and down. (Commander Products LLC recommends 18v or higher drill for installers)

#### Quiet

- Commander Product's reliable worm gear drive system eliminates the need for the noisy, ratcheting brake kit.

#### Maintenance Free

- Gearbox is oil filled and permanently sealed so you never have to drain and refill.

- Both the control box and the motor are designed to withstand the elements.
- It is recommended the unit be removed at the end of the boating season and stored in a cool dry place.

### Technology

- Commander Products' *patented* direct drive technology eliminates slippage commonly found with rubber wheel drives, chains that can stretch or rust over time and simplifies installation.
- The Pulse width Modulation technology enables 12v or 24v operation.

## **1.0 Power recommendations for the DC Leisure Pro Shore Commander**

### **12v DC / 24v DC**

Deep cycle marine battery – Series 24 to 28

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### **1.1 System does not work at all when plugged into DC power supply**

- A. Check 12v or 24v DC battery output supply
  - B. Check all wire connections for corrosion
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### **1.2 System has power but no touchpad or wireless key remote operation**

- A. Unplug the DC Leisure Pro Shore Commander from the power supply and plug back in and watch for a red LED light on the touchpad.

**D.** On the touchpad, depress the “code” button on the touchpad, followed by your four digit PIN number.

**E.** Once you depress the “code” button, a green led light should appear on the touchpad followed by a red light once you depress the fourth number of your PIN on the touchpad.

***Still no operation***

**F.** Unplug the DC Leisure Pro Shore Commander from the power supply.

**G.** Loosen the plastic cable gland located on the control box with the wires leading to the canopy light and limit switch. Once the cable gland is loose, slowly push approximately a ½” of black wire into the control box.

**H.** Remove the six small black philip lid screws on the control box and carefully open the lid so you do not accidentally unplug any of the internal wires.

**I.** Visually inspect that all of the internal wire connectors are plugged in. Especially the black antenna wire to the circuit board and touchpad wire is attached to the bottom of the lid.

**J.** If the antenna wire is unplugged, the circuit board system will activate showing a red flashing LED light when the system is plugged in, however it will not allow the touchpad or key remotes to work.

**K.** Carefully place the lid back on the control box, but make sure “no” wires get pinched or cut. Put the lid screws back into the lid fastening it to the control box and tighten the loose cable gland on the control box.

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### **1.3 Wireless key remotes work but not the Touchpad**

**A.** The only thing that can be done is to visually inspect that the touchpad is plugged into the circuit board by following steps in ***section 1.2***

**B.** If the touchpad is plugged in and still no function, contact Commander products for a replacement touchpad.

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## **1.4 Touchpad works but not the Wireless key remote(s)**

- A.** Open the remote and check for corrosion. If corrosion is found, contact your dealer where you had purchased your Commander system for a replacement remote.
  - B.** If no corrosion is found and you have no blue flashing light on your wireless key remote – replace the battery.
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## **1.5 Touchpad activates however motor stops running and will not go again**

- A.** Check battery voltage – Normal range is 12.3 to 13.6
  - B.** System will not work if the battery is not charged
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## **1.6 Programming Wireless remotes**

### **Key Fob Programming**

- A.** To add / change any Commander Products remote key fob, press and hold the Code key down, then press the 1 Key and release both. The red LED on the touchpad will activate for 5 seconds. Press the up button on the key fob. The red LED light will go out once the signal is received from the key fob remote control. Do the same for additional key fobs.

**The unit has the capability to store up to 4 key fobs.**

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## 1.7 CANOPY LIGHT DOES NOT WORK

- A. If bulb is bad, replace it with a 12v DC bulb #912. Do not use a #921 bulb since this bulb will draw over 1 amp resulting in damage to the control board.
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## 1.8 TOUCHPAD OPERATION

### PIN Code Programming

- A. To change the PIN code, hold the Code key down, and then press the 2 key. Release both. The red LED will begin to flash. Enter the new 4-digit PIN code. The red led will stop flashing once the 4<sup>th</sup> digit of the new code is entered.

#### Normal operation:

- B. To unlock keypad, enter “1” “2” “3” “4” the factory default 4-digit code. On the first number key pressed the Green LED lights to indicate that the keypad is in the code entry mode.

- C. When the fourth digit of the programmed code is entered, the Red LED lights to indicate that the keypad is unlocked. You can then operate your lift. A timeout is started after code is entered and systems will auto-lock after 5 min of being dormant.

- D. Pressing the Code key while the keypad is active will cancel the active mode and lock your system.

#### To Change Factory Code:

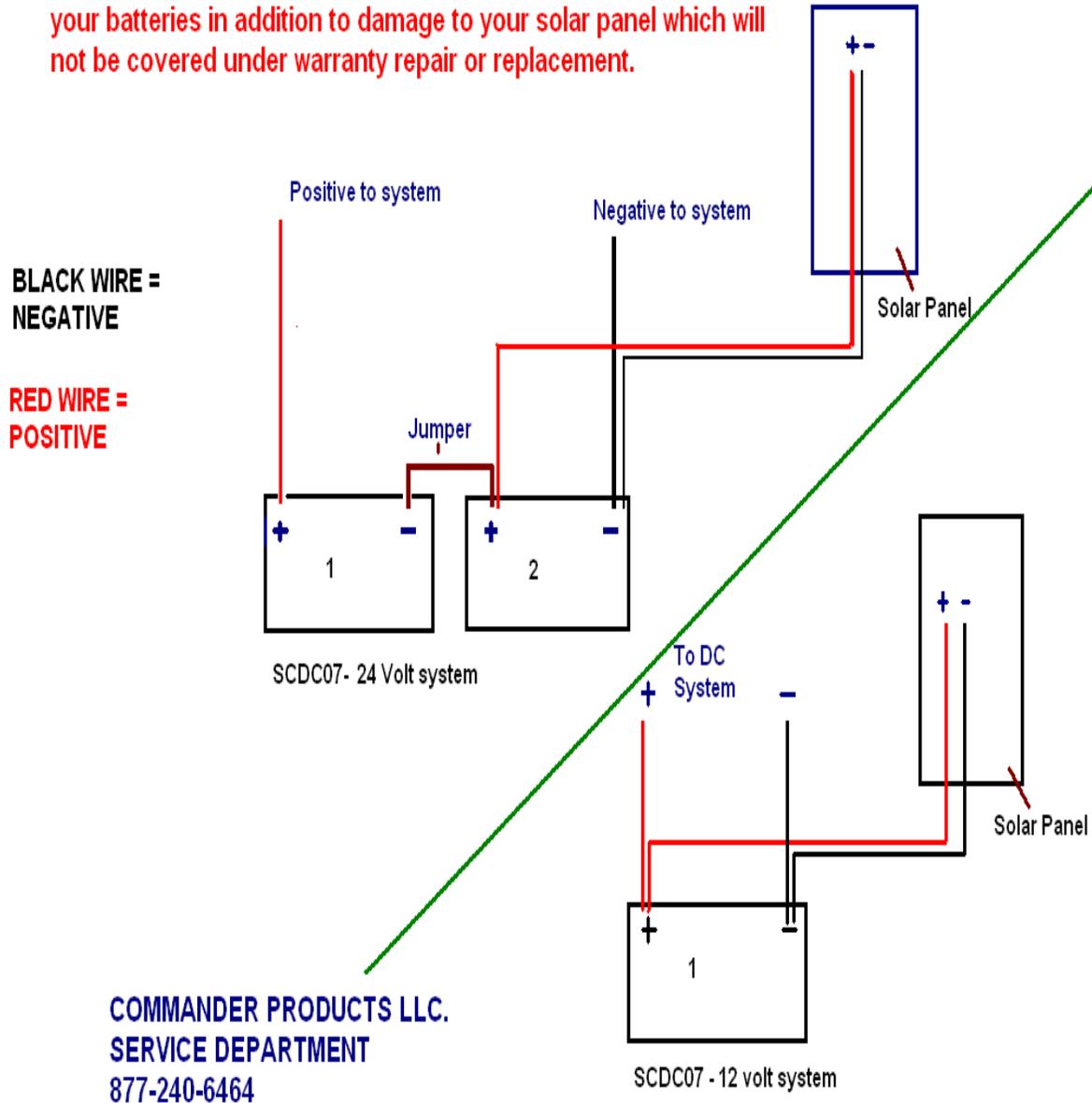
- E. To enter your own user defined password , enter the factory default code { “1” “2” “3” “4”}, press & hold the code key button down and then at the same time, press and release the 2 button. Once the red LED starts blinking then enter your own custom 4 digit code. The LEDs will automatically go out and your system has accepted the new code.
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## 1.9 HOOKING UP A SOLAR PANEL

Instructions on how to hook up a solar panel to your 2007 DC system correctly

Incorrectly hooking up the solar panel will result in drainage of your batteries in addition to damage to your solar panel which will not be covered under warranty repair or replacement.



## 2.0. WIRING DIAGRAM FOR DC SYSTEM

