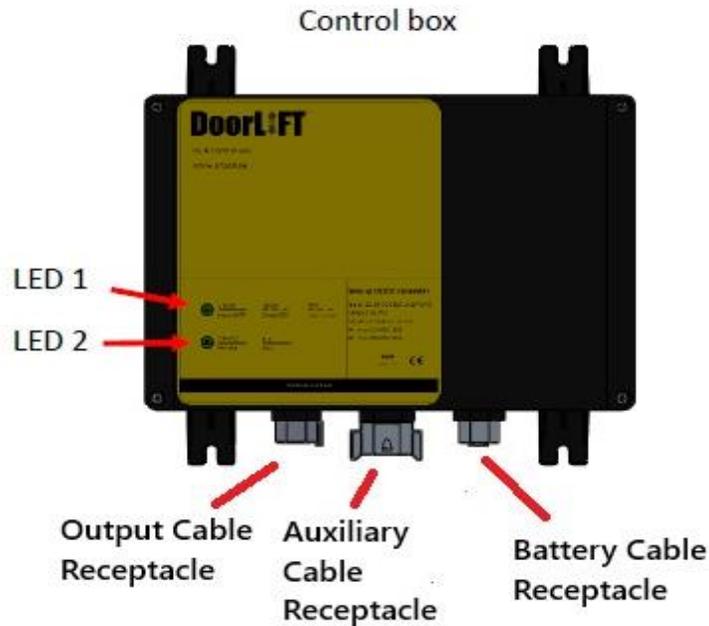


Programming FOBs for the CommandLIFT Door Operator

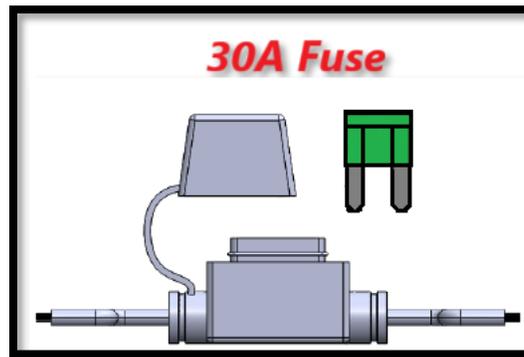


Introduction: All new CommandLIFT systems come standard with two key FOBs. These are preprogrammed at the factory. Other FOBs can be added if necessary. These can also be used with switches. All the FOB data is stored in the non-volatile memory of the radio receiver within the control box. If more FOBs are to be added to an existing system in which other FOBs are taught to this system already, all FOBs old and new must be taught together in the same teach session if you want to use the original FOBs with any new FOBs. Once the radio receiver within the control box goes into teach mode, its memory is erased to allow any new FOB data to be put into memory. All FOBs must be taught together within the same session!

The box cover's #1-LED indicates four modes. A solid green is the idle state. Battery unloaded voltage is good. Flashing red means the battery's loaded voltage is too low. This occurs when the unit is commanded to move with a weak battery. Flashing green is the active state where the motor gears are spinning, and the door is moving. After two minutes of inactivity, the system enters sleep mode to conserve power. Both cover LEDs will be off.

Important Notes: Whenever the radio receiver within the control box changes its mode from standard receiving mode to teach mode or vice versa or individual devices are programmed to it during the teaching mode, the radio receiver will acknowledge this and send out an open signal with an audible clicking sound to acknowledge these changes. The #2 LED on the box will momentarily flash orange as well on signal receptions and mode changes. This signal will activate the motor unit and move the door. **This is not wanted**

during teaching! This is why the motor unit must be either electrically or mechanically disconnected during teaching mode as explained below. With the motor disabled, the door cannot move during teaching. But the LEDs will still flash. In 2022, all new installs started using heat shrink insulation around the control box electrical receptacles. This includes the battery connection receptacle, the output cable receptacle, and the auxiliary receptacle if used. The auxiliary receptacle is irrelevant here. The battery power will have to be cycled on and off during the teaching mode. The simple way is to unplug the battery connection at the control box. See above picture. If there is heat shrink on this receptacle, and you do not want to cut it, you can simply unplug the 30-amp inline fuse in the battery cable connected to the control box to act as a 'switch'. See picture below.

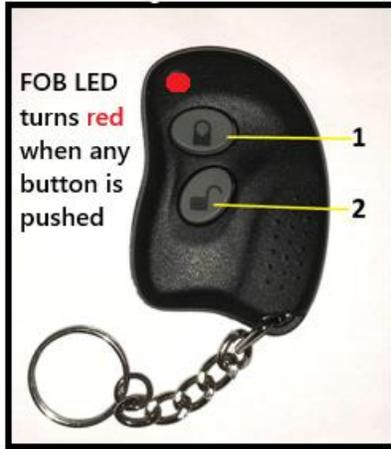


As mentioned, the motor unit should be neutralized during the teaching mode. The easy way is to simply unplug the output cable from the box receptacle to electrically isolate the motor during the teaching mode. See control box picture above. If there is heat shrink on this receptacle and you do not want to cut it, you can mechanically disconnect the motor unit by moving lever on the motor unit to manual mode. This will disengage the drive gears from the track rack gears. See picture below. Keep the motor neutralized until the end of the programming session. If the #1 LED on the box is flashing green at the end of the session, hit any single button on a recently taught FOB to turn off power at the output receptacle. The #1 LED should be a solid green (idle state) after the teaching session.



Procedure: Remove power from the control box by either removing the 30-amp inline fuse in the battery cable or unplugging the battery connection at the box. Also, unplug the output cable from its receptacle at the box or mechanically disengage the motor unit as described above. Wait for about 30 seconds so all power is removed from the control box. This excess power comes from capacitors on the main board. Both LEDs on the box should be dark.

- 1.) Add power back to the box by plugging in the fuse or plugging the battery cable back into the box. Within 5 seconds, press buttons #1 and #2 on any key FOB simultaneously. See picture below. The #2 LED will momentarily flash orange on the box. The system now enters the teaching mode. The Unlock Output will also trigger an audible click to remind you that the system is in teach mode. With the FOB that is in your hand, press any single button to teach this FOB.
- 2.) Within 5 seconds, press any single button on the next FOB you want taught. Do one FOB after another with no longer than a five second interval between FOBs. After each FOB is taught, the #2 LED on the box will momentarily flash orange meaning 'signal received' and the Unlock Output will sound with an audible click after each FOB. After the last FOB is taught, wait five seconds for the radio receiver to get out of teach mode. This is indicated by an audible click and the #2 LED momentarily flashing orange.
- 3.) If the #1 LED is flashing green at the end of the teach session and the box is back in normal mode, hit any button on any of the FOBs just taught to turn the 32-volt power at the output cable box receptacle off before plugging in the output cable back into the box or mechanically reengaging the motor unit for testing purposes. When that top light is flashing green (active state), the gears on the motor unit will be spinning if the motor unit got mechanically disengaged. Damage will be done to the spinning gears while trying to manually engage them with the gear rack in the track. Alternatively, plugging in the output cable back into the box with the light flashing will suddenly engage the door with the motor if this method was used to neutralize the motor during teaching. Note: After the system is first powered up, the 'Close' signal is ignored by the system. This is normal.



Special Notes: During code learning mode, if there is no action after 5 seconds, the receiver will leave learning mode and you'll have to start over. If any old FOBs have to be erased, teach any new FOBs with the above procedure and leave out the old FOBs. A maximum of 12 FOBs can be taught to a single system. If the FOB battery has to be replaced for any reason, the battery is a 12 Volt A-23 dry cell battery. Carefully remove the FOB cover by prying with a small screwdriver to replace the battery. These are sold at any battery retailer like Home Depot or Lowes. Whiting does not supply these.

