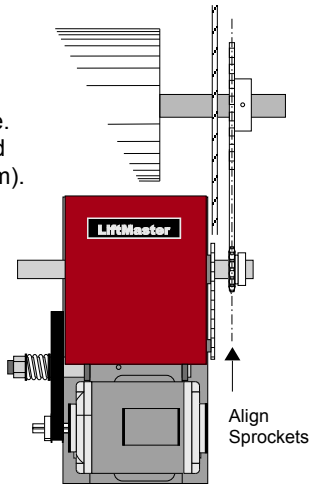
# MobilFlex

## QuickStart for the door operator model DJ

Operator DJ501L5 1/2 HP 115/230V 60Hz 1PH
Please consult the installation manuel for further information

## Operator Mounting

**Bracket Shelf Mounting:** *(Manual, page 16)*
The operator may be mounted either front or top of coil.
Attach motor bracket using the center hole and 1 slot.
Attach motor to bracket with all bolt heads on barrel side.
**Note:** The optimum distance between the door shaft and operator drive shaft is between 12" to 15" (305 to 381mm).



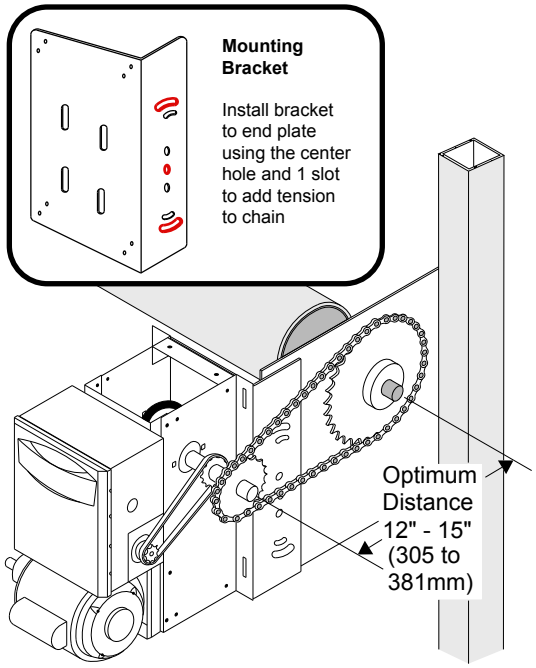

Place drive sprocket and keyway on the appropriate side of the operator.
Place door sprocket and keyway on the door shaft.

Wrap chain around door and operator sprocket.
Join roller chain ends together with master link.

Make sure the operator output shaft is parallel to the door shaft and sprockets are aligned. Secure sprockets to shaft with keyway and set screws.

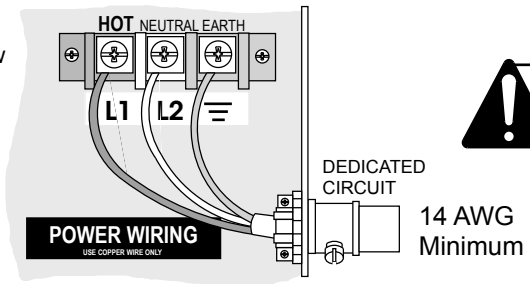
Raise or lower operator until the chain is taut (not tight).
When in position, secure the mounting bracket to the end plate with additionnal TEK screws.

Secure the clutch nut with the cotter pin.




**Single phase connections:** *(Manual, page 18)*
(14 AWG minimum, qualified electrician)
Run the power wires through the power wiring conduit hole in the electrical box enclosure. Connect the power to the operator. Connect the earth ground to the ground screw in the electrical box enclosure. Insert motor power plug into the power board receptacle corresponding to the incoming voltage (115 or 230V).
**Follow ALL national and local electrical codes.**

Single Phase Connections
115V-11.2A / 230V-5.6A

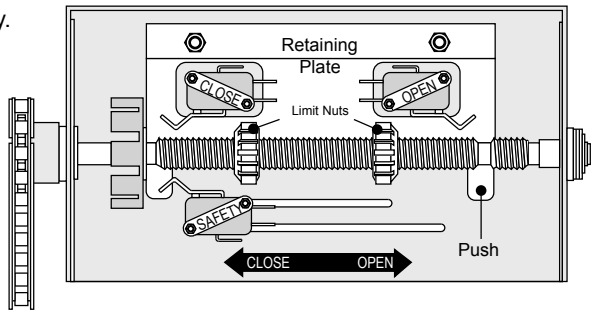



Follow All national and local electrical codes.

**Control stations:** *(Manual, page 19)*
(20 AWG or greater, 24V, qualified electrician)
A jumper **MUST** be wired between terminals 4 and 5 for the on board push buttons to function.
Connect all of the operating devices. (3 button station, key switches, LMEP photoelectric sensors,...)

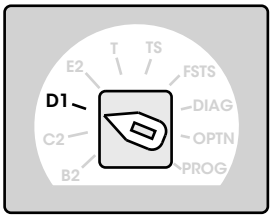
**Adjustement of Limit Switches:** *(Manual, page 22)*
Adjust the limit switches to open and close door properly.
Make sure the limit nuts are positioned between the limit switches before proceeding with adjustments.
Manually close door directly on operator panel and stop 1 1/2" - 38mm before the door reaches the floor.
Depress the retaining plate and reposition the limit nut.
Manually open door directly on operator panel and stop 1 1/2" - 38mm before the top stop.
Depress the retaining plate and reposition the limit nut.
Adjust the limit nuts to the perfect setting.
When released, verify that the retaining plate is fully seated with the notches of the limit nuts.

Limit Switches




**Board Selector Dial**

Recommended setting:
**D1**, constant pressure to open & close, LMEP (sensors) stop only

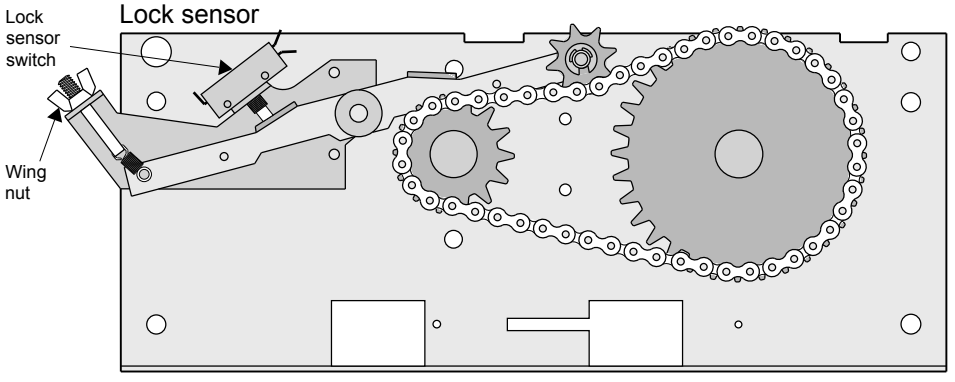



Optional setting:
**C2**, momentary contact to open with constant pressure to close, LMEP (sensors) to reverse

Set wiring type with the selector dial to **D1**.

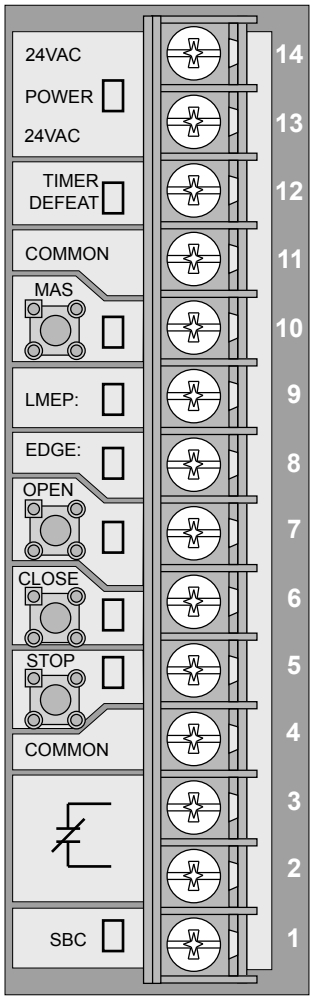
**Lock sensor adjustment:**
Operator will stop when extra tension is sensed on the door from the mechanical door lock.
Holding the door in the down position, open door to test if lock sensor stops the operator.
Adjust the opening force with the wing nut.
To increase opening force, tighten wing nut.
To decrease opening force, loosen wing nut.

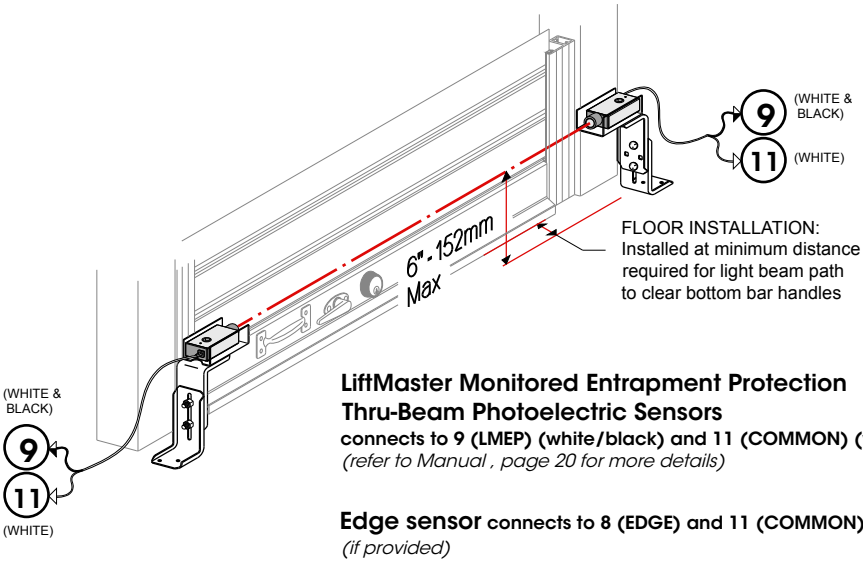
Lock sensor



## CONTROL WIRING
USE COPPER WIRE ONLY

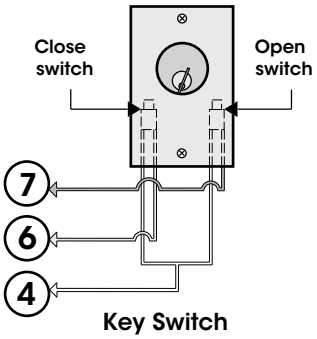
**20 AWG or GREATER**



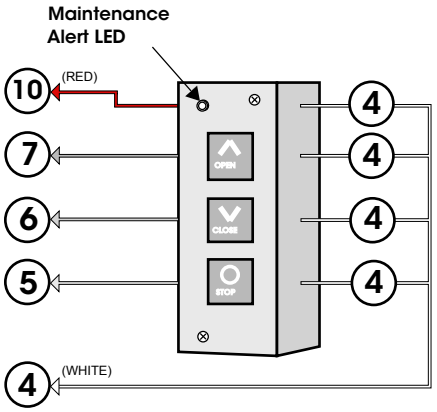




**LiftMaster Monitored Entrapment Protection Thru-Beam Photoelectric Sensors**
**connects to 9 (LMEP) (white/black) and 11 (COMMON) (white)**
*(refer to Manual , page 20 for more details)*

**Edge sensor connects to 8 (EDGE) and 11 (COMMON)**
*(if provided)*

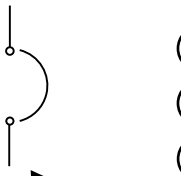



**Key Switch**



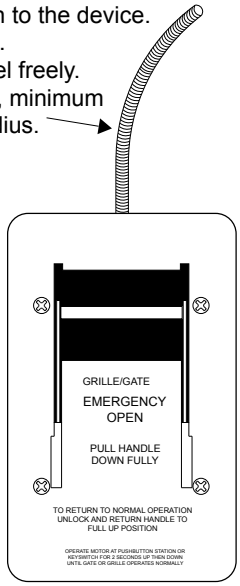

**3 Button station**

**Jumper must be removed when 3 Button station devices are used



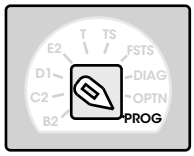
***JUMPER REQUIRED BETWEEN TERMINAL #4 AND #5 FOR KEY SWITCH DEVICES***

**Emergency release device:**
Part of installation will be easier if done before operator is mounted. Follow installation instructions provided with the emergency release device. Standard height should be 42" (1,07m) above floor. Do not tamper with cable connection to the device. Do not cut cable. Cable must travel freely. **No sharp turns**, minimum 16" - 406mm radius.



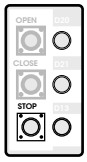

## MAS Programming ( Maintenance Alert System )

1. The MAS assists the installing dealer in setting up a routine maintenance program. Once programmed, the MAS notifies the end user (with a flashing LED on the 3 button station) when a preset number of cycles/months has elapsed and scheduled maintenance is due.
2. Close the door.
3. Turn the selector dial to PROG.

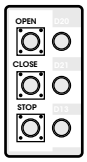



4. Press and release the MAS button.

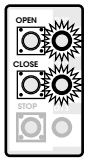

5. Press the STOP button once to clear the MAS counter.




6. Press the OPEN button once for every 5 000 Cycles increments. Press the CLOSE button once for every 3 Month increments. Press the STOP button once to clear the MAS setting.




7. Press the MAS button to complete the programming. The on board LED will flash back the programming settings. The OPEN LED will flash once for every 5 000 Cycles. The CLOSE LED will flash once for every 3 months.


8. Turn the selector dial back to the D1 position.