Operator Mounting

1. **Wall Mount:** The operator should generally be installed below the door shaft, and as close to the door as possible.

2. **Bracket Shelf Mounting:** The operator may be mounted either above or below the door shaft.

**NOTE:** The optimum distance between the door shaft and operator drive shaft is between 12 - 15 inches.

Place door sprocket on the door shaft. Do not insert the key at this time.

Place drive sprocket on the appropriate side of the operator. Do not insert the key at this time.

Wrap chain drive around door sprocket and join roller chain ends together with master link.

Raise or lower operator until the chain is taut (not tight). Make sure the operator output shaft is parallel to door shaft and sprockets are aligned. When in position, secure the operator to wall or mounting bracket.

Align sprockets, insert key into keyway, and secure.

Place hand chain around hand chain wheel. 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.

Follow ALL local electrical codes.

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.

Radio programming and troubleshooting instructions inside cover of operator.

Inside the Electrical Box

1. **Single Phase Connections**

Follow ALL national and local electrical codes. Power wiring ONLY!

14 AWG Minimum

2. **Three Phase Connections**

3. **Limit Switches**

Be sure door sprocket is properly aligned with drive before securing to the shaft.

**WARNING:** This QuickStart is intended to highlight a typical installation. These instructions are not intended to be comprehensive. Since each application is unique, it is the responsibility of the purchaser, designer, installer and end user to ensure that the total door system is safe for its intended use. Please consult the manual and/or a qualified technician for further information.

Manual Operation

This operator has provisions for manually operating the door in case of emergency or power failure. These operators are equipped with a manual hoist. An electrical interlock will disable the electrical controls when the hoist is used. **Turn off power to the operator BEFORE manually operating your door.**

**Electrical Interlock with Hoist**

To operate the hoist, pull the disconnect chain (small chain) to engage the hoist mechanism. The disconnect chain may be locked in position by slipping the end through the keyhole of the chain keeper mounted on the wall. Operate the door in the desired direction by pulling on one side or the other of the continuous loop hoist chain (large chain). The disconnect chain must be released from the chain keeper before the door will operate again electrically.

**Chain Keeper (4' above floor)**
**Board Selector Dial**

Factory Setting is C2

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**CONTROL WIRING**

CONTROL WIRING

20 AWG or Greater

LiftMaster Monitored Entrapment Protection (LMEP) is required for most programmable settings. Thru-Beam Photoelectric Sensors (Shown)

USE COPPER WIRE ONLY

Board Selector Dial

Factory Setting is C2

Factory Setting is C2

**Follow ALL national and local electrical codes**

NEVER run Control wiring in same conduit as the Power wiring!

**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 programmed 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 desired wiring type.

**Timer-to-Close Programming**

Timer automatically closes door after a preset time.

1. Close the Door.

2. Turn selector to PROG.

3. Press and release the TIMER button.

4. Press and release the STOP button to clear the timer.

5. Press and release the OPEN button once for every 1 second. Press and release the CLOSE button once for every 15 seconds.

6. Press and release the TIMER button to complete programming.

7. Turn selector to T, TS or FSTS wiring types.

*NOTE: Must have at least one LiftMaster Monitored Entrapment Protection (LMEP) device installed.*

**OPEN Mid Stop Programming**

The mid stop feature is to open the door to a preset point prior to the fully open position.

1. Close the Door.

2. Turn selector to PROG.

3. Press and release the MID button.

4. Press the OPEN button, wait until the door reaches the desired mid stop height, then press and release the STOP button.

5. Press and release the MID button to complete programming.

6. Turn selector back to selected wiring type.