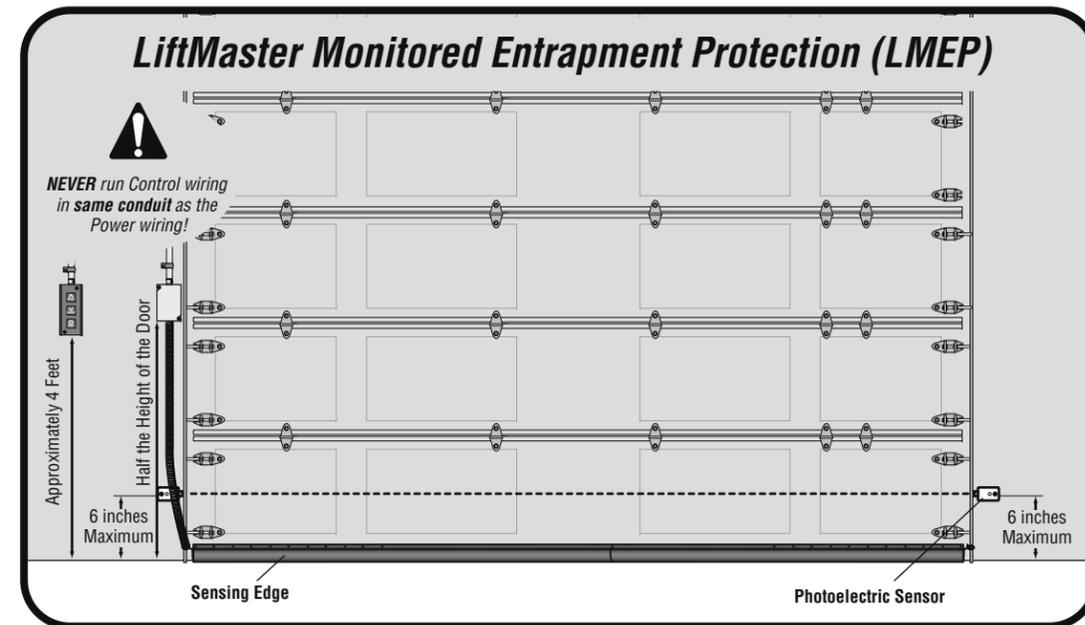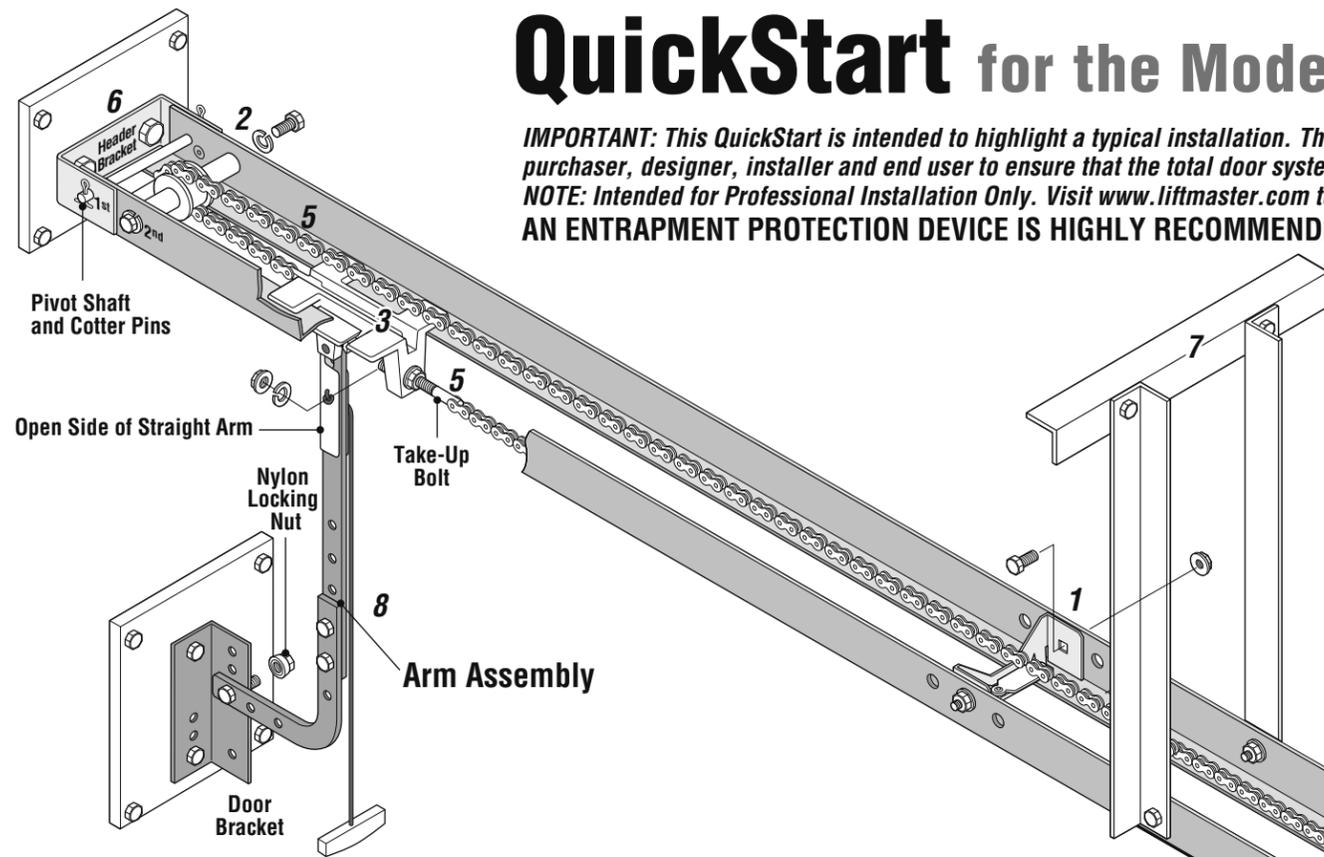# QuickStart for the Model MT/BMT Door Operator

MEDIUM DUTY LOGIC

IMPORTANT: 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.

NOTE: Intended for Professional Installation Only. Visit www.liftmaster.com to locate a professional installing dealer in your area.

AN ENTRAPMENT PROTECTION DEVICE IS HIGHLY RECOMMENDED

6

2

Header Bracket

1st 2nd

5

Pivot Shaft
and Cotter Pins

Open Side of Straight Arm

Nylon Locking Nut

3

5

Take-Up Bolt

8

Arm Assembly

Door Bracket

7

1

LiftMaster Monitored Entrapment Protection (LMEP)

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

Approximately 4 Feet

Half the Height of the Door

6 inches Maximum

6 inches Maximum

Sensing Edge

Photoelectric Sensor

INSTALLATION

Install the Operator

1 Install the spacer brackets down the track (as shown). The nylon pad on the spacer bracket must face up. (Two - 3/4" bolts/nuts per spacer)

2 Install the front idler in the second hole from the end of the track. (Two - 1" bolts/nuts with lock washers)

3 Slide the trolley into the tracks so that the take-up bolt will be facing toward the operator.

4 Secure the operator to the tracks using the L-slot and the 3rd hole for each track. (Four - 3/4" bolts/nuts)

5 Connect the chain to the trolley connection on the door end. Connect the take-up bolt on the other end and adjust chain accordingly. A properly adjusted chain will sag about 3 inches at the mid-point. If necessary, remove links from the chain to achieve proper adjustment. (Two nuts and a lock washer, two master links)

6 Provide a mounting pad for the header bracket to attach to the front wall. Then use the pivot shaft and cotter pins to secure the track assembly to the header bracket (with the operator remaining on the floor).

7 Pivot the operator up until track assembly is horizontal with the header bracket then secure the brackets to the ceiling. Secure mounting brackets to the operator. If the track is longer than 15 feet, use of a mid-span support bracket is recommended.

8 Assemble the curved and straight arm as shown making sure the open side of the notch on the straight arm faces the door, (Two - 3/4" bolts/nuts). Attach arm assembly to the door bracket with a 3/4" bolt and nylon locking nut so the bolt can pivot. Connect the arm assembly to the trolley with the disconnect assembly.
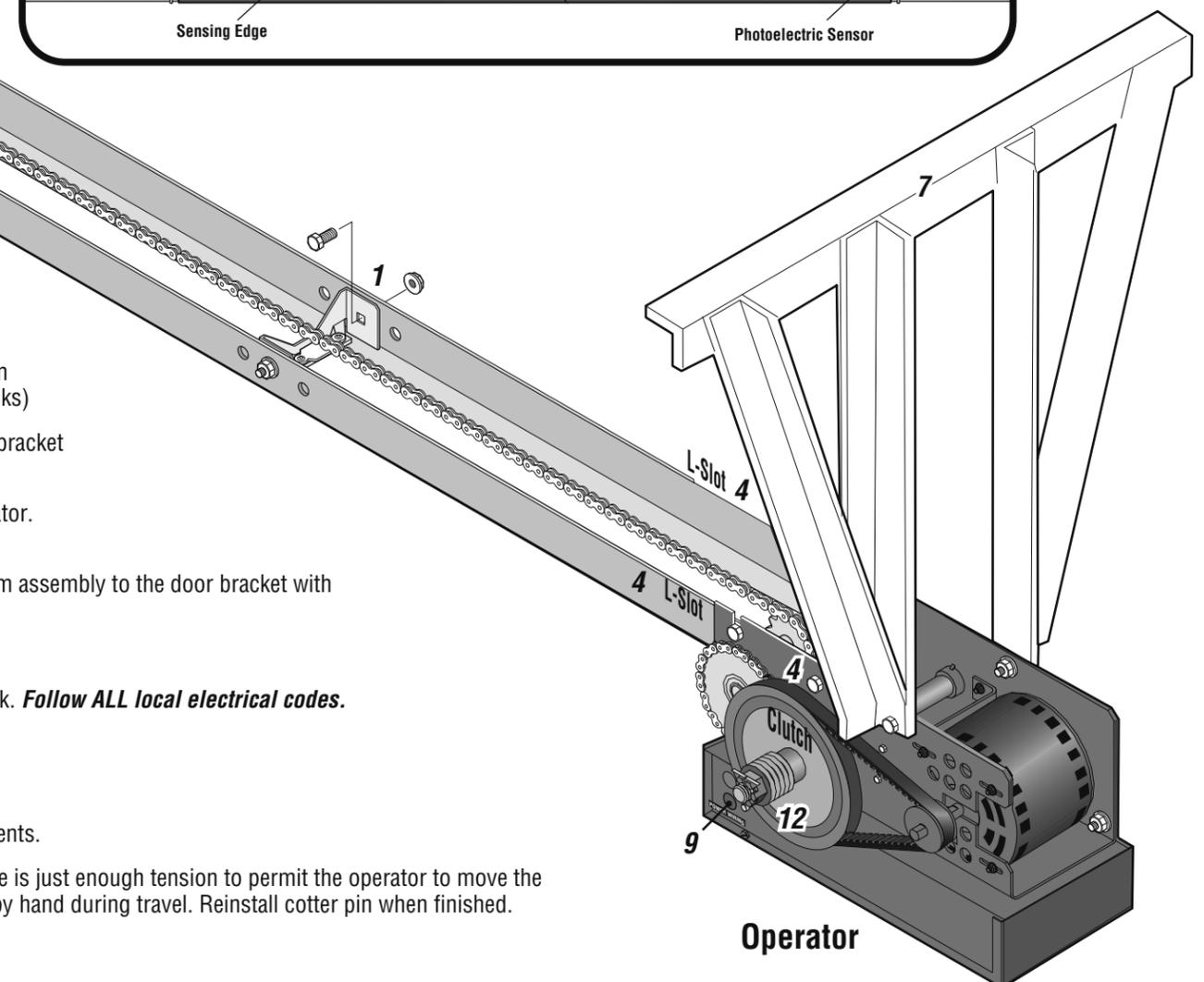
Power and Ground Wiring Connections

9 Run the power wires through the power wiring conduit hole in the electrical box enclosure. Connect the power and earth ground to the operator terminal block. **Follow ALL local electrical codes.**

10 Run control wires through the control wiring conduit hole in the electrical box enclosure. **Follow ALL local electrical codes.**

Adjustments

11 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.

12 Remove cotter pin from nut on the clutch shaft. Back off clutch nut until there is very little tension on the clutch spring. Tighten clutch nut gradually until there is just enough tension to permit the operator to move the door smoothly but to allow the clutch to slip if the door is obstructed. When the clutch is properly adjusted, it should generally be possible to stop the door by hand during travel. Reinstall cotter pin when finished.

Additional programming and troubleshooting can be found in the installation manual.

7

L-Slot 4

4 L-Slot

4

Clutch

9

12

Operator

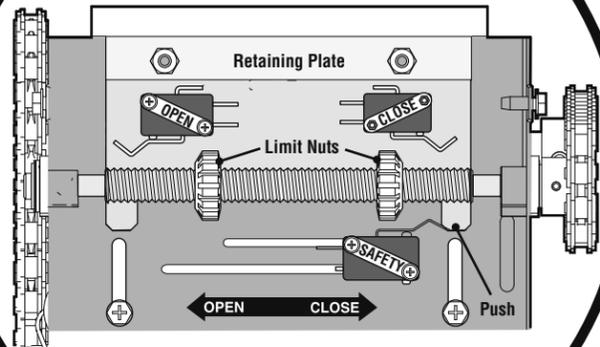# QuickStart for the Model MT/BMT Door Operator

MEDIUM DUTY LOGIC

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.
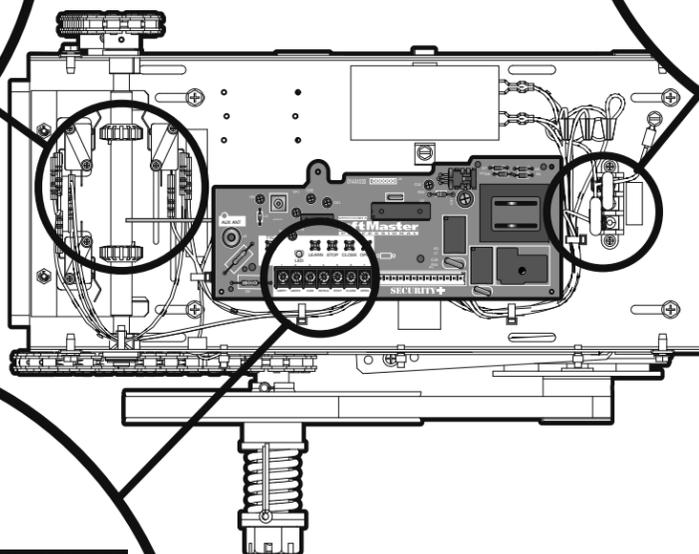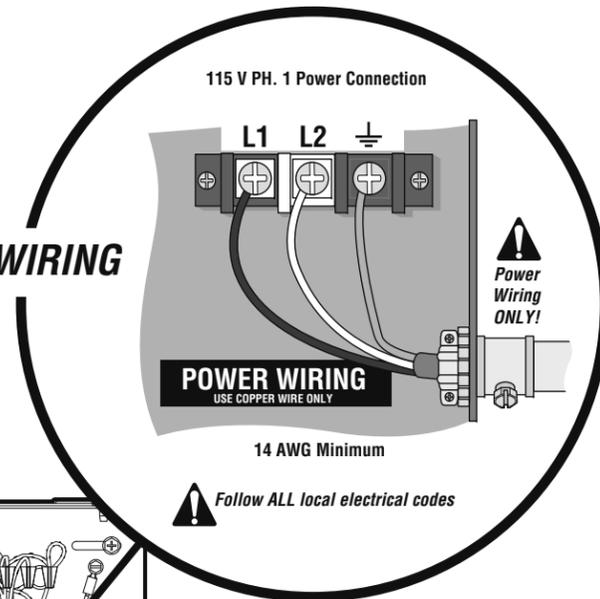
NOTE: Intended for Professional Installation Only. Visit www.liftmaster.com to locate a professional installing dealer in your area.

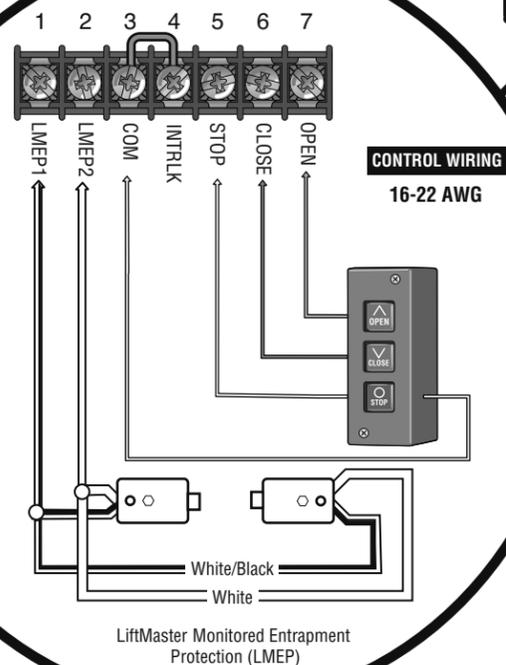**AN ENTRAPMENT PROTECTION DEVICE IS HIGHLY RECOMMENDED**

LIMIT SWITCHES

Retaining Plate

OPEN   CLOSE

Limit Nuts

SAFETY

OPEN   CLOSE   Push

Direction Limit Nut Will Move During Travel

POWER WIRING

115 V PH. 1 Power Connection

L1   L2

⚠ **Power Wiring ONLY!**

POWER WIRING
USE COPPER WIRE ONLY

14 AWG Minimum

⚠ *Follow ALL local electrical codes*

CONTROL WIRING

1 2 3 4 5 6 7

LMEP1 LMEP2 COM INTRLK STOP CLOSE OPEN

CONTROL WIRING
16-22 AWG

OPEN
CLOSE
STOP

White/Black
White

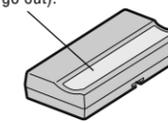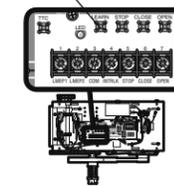LiftMaster Monitored Entrapment Protection (LMEP)

PROGRAMMING

Requires LiftMaster Monitored Entrapment Protection (LMEP) device. See installation manual for LiftMaster Monitored Entrapment Protection (LMEP) device selection and installation.

REMOTE CONTROLS

Built in 315 MHz radio receiver permits as many as 20 Security+® remote controls or dip switch remote controls in any combination.
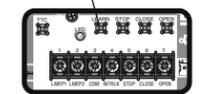
Single Button Remote Control

1 Press and release the LEARN button (LED will light).

2 Press and hold the button on the remote control until the LED flashes rapidly, then release to complete programming (LED will go out).

Repeat steps 1 and 2 for additional remote controls.
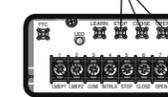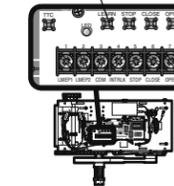
To Erase All Remote Controls

1 Press and hold the LEARN button (over 5 seconds) until the LED goes out. All programmed remote controls will be erased.

3-Button Remote Control to Operate as a Wireless 3-Button Control Station

NOTE: The feature will use 3 of the 20 memory channels in the operator.

1 Press and release the LEARN button (LED will light).

2 Press the desired button on the logic board (OPEN, CLOSE or STOP). Release both buttons.

3 Press and hold the desired button of the remote control until LED flashes rapidly, then release.

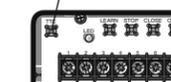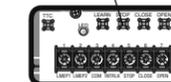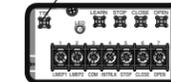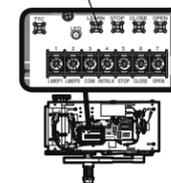Repeat steps 1 through 3 to program additional buttons.

TIMER-TO-CLOSE

Timer-to-Close feature enables the operator to close from the open limit after a preset time, adjustable from 5 to 60 seconds.

To Program
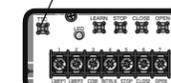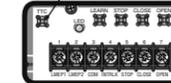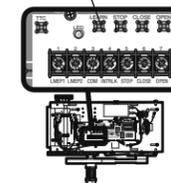
Begin with the door in fully closed position.

1 Press and release the LEARN button (LED will light).

2 Press and release the TCC button.

3 Every press and release of the STOP button will add 5 seconds to the Timer-to-Close. Example: 30 second TTC = 6 presses of the STOP button.

4 Press and release the TTC button to exit programming mode. The LED will flash once per 5 seconds of timer setting.

The TTC will become active after completion of the next open cycle.
NOTE: The LED does not indicate that timer is running.

Timer Defeat

The TTC can be temporarily disabled by pressing a STOP button. TTC will become enabled after the next open command.

To Verify the Timer-To-Close (TCC) Setting

1 Press and hold the LEARN button (LED will light).

2 Press and release the TCC button.

3 Press and release the TTC button a second time. The LED will flash once per 5 seconds of timer setting.

Clear the Timer-To-Close (TCC)

1 Press and release the LEARN button (LED will light).

2 Press and hold the TCC button for 6 seconds.

3 Release the TTC button (LED will go out). The TTC will no longer be active.

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