

# Quick Start Guide



POWERED BY myQ

## TECHNA

### Barrier Arm Gate Operator



See operator manual for complete installation instructions and warnings.

For online troubleshooting and product information scan QR code, or follow the link: <https://support.partner.liftmaster.com/s/gate-operators-barrier-gates/techna>

**⚠️ WARNING**

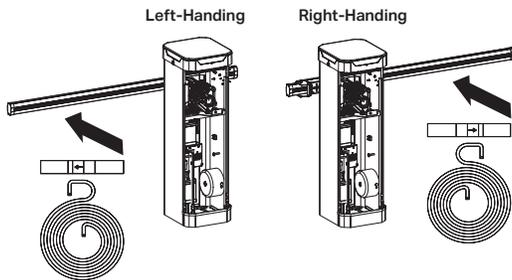
To prevent possible **SERIOUS INJURY** or **DEATH**, disconnect electric power to operator **BEFORE** installing. **ALL** electrical connections **MUST** be made by a qualified individual.

### Step 1A:

#### Confirm Handing and Change Spring Count

Determine Left or Right Handing and change spring direction as required. Change spring count based on arm length. See Installation Manual or label on operator front cover.

**Note:** Not having the correct spring count reduces the life of the operator and the springs.



**\*\*Select the correct number of springs based on arm length\*\***

|                  |                  |                  |                  |
|------------------|------------------|------------------|------------------|
| 8 ft: 3 springs  | 9 ft: 4 springs  | 10 ft: 5 springs | 11 ft: 6 springs |
| 12 ft: 7 springs | 13 ft: 8 springs | 14 ft: 9 springs |                  |

**Note:** If adding accessories to arm please see spring chart in manual.

**Tools** (see manual for required torque values):

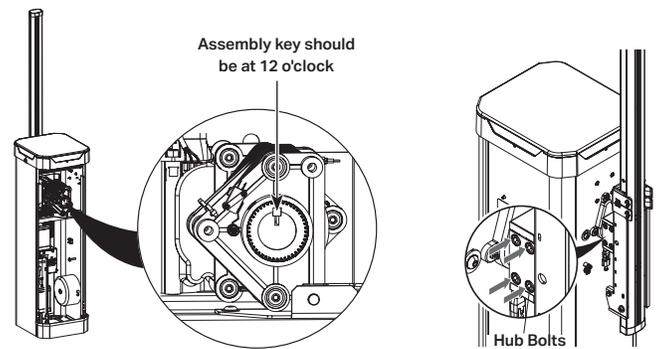
- 7/32" Hex Socket: Counterbalance/End Plate
- 3/16" Allen Key: Key Set Screws
- 5/64" Allen Key: Retention Collar Screws

### Step 1B:

#### Install Arm

To start, be sure the barrier arm is in the vertical position. Check spring tension. There should be zero tension on the springs.

**Note:** If under tension, see manual "Removing Spring Tension."



**Tools:**

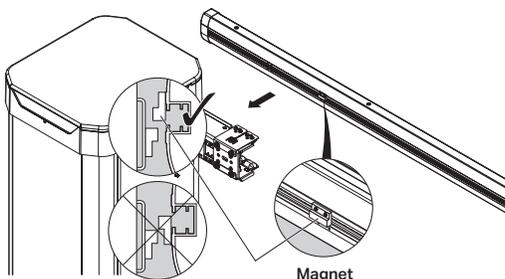
- Hub Bolts: 5/16" Hex Socket; 60 ft-lb torque

### Step 1C:

#### Install Arm Sensor

All barrier arm setups require the use of a sensor (pre-installed in bracket) and mating magnet (requires installation into appropriate location on arm) to detect the presence of the arm within the bracket.

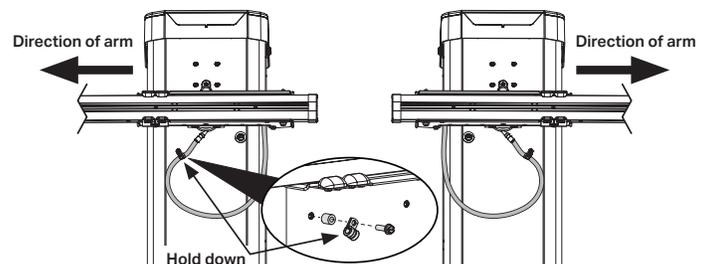
**Note:** The operator will not allow movement without this check.

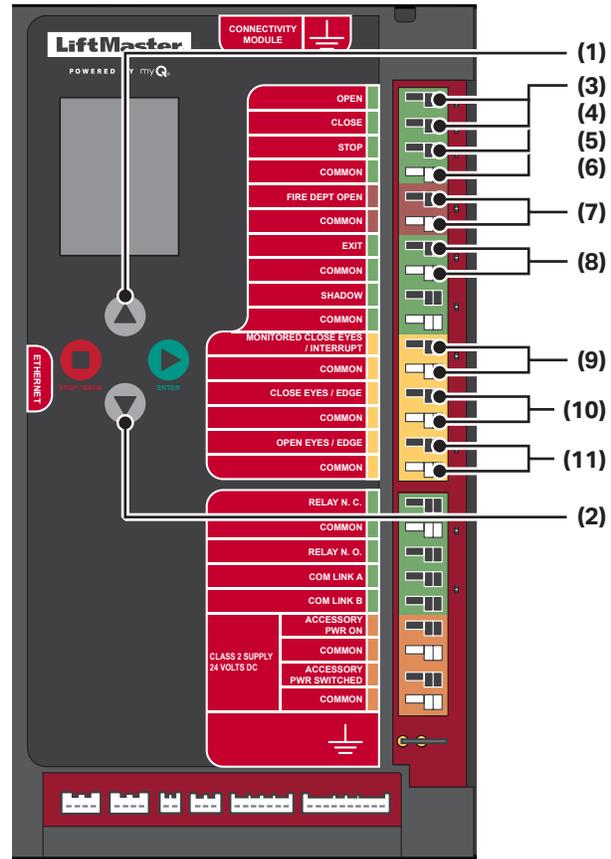
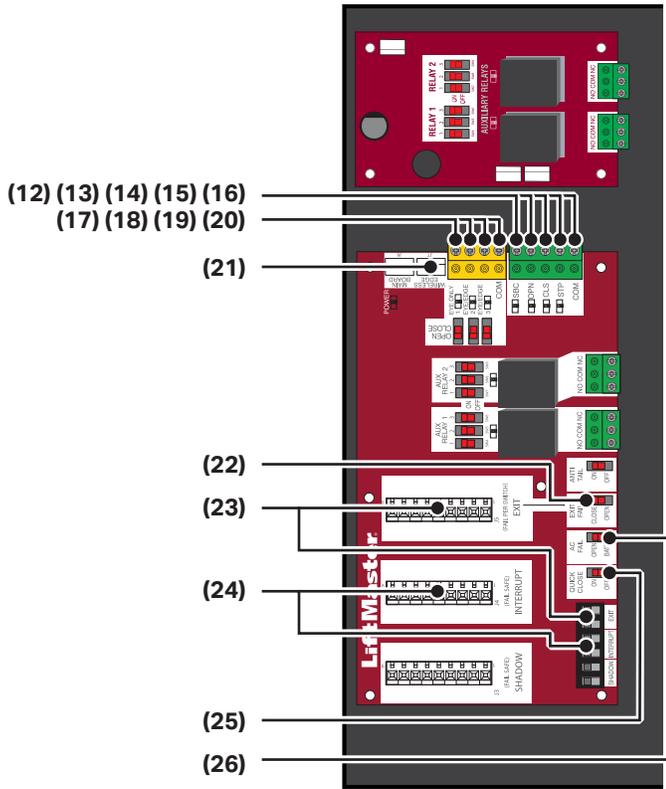


### Step 1D:

#### Wire Arm Routing

See image below for appropriate arm harness cable routing and hold down. Proper routing is critical to prevent premature wear and tear to cable harness.





## Step 2:

### Connect Inputs and Accessories

| Key   | Type            | Input   | Action / Recommendation  |
|---|-----------------|---|--|
| <b>Determine Method to Open Gate</b>              |                 |   |  |
| 1   | Wired           | On-Board Open   | Hard Inputs* / Line of Sight User Controlled   |
| 3 & 6   | Wired           | 3-Button Station Open   | Hard Inputs* / Line of Sight User Controlled   |
| 7   | Wired           | Fire Dept Open  | Hard Inputs* / Fire Lock   |
| 8   | Loops           | Exit Loop Main Board (Short to Common)  | 3rd Party Loop Detector  |
| 23  | Loops           | Exit Loop Exp Board (LOOPDETLM)   | LiftMaster Loop Detector   |
| 13 & 16   | Wired           | Exp Board Open  | Access Control Devices   |
| 12 & 16   | Wired           | Exp Board Single-Button-Control (SBC)   |  |
|   | Wireless        | Learned Transmitter   |  |
|   | Wireless        | CAPX Access Device  |  |
|   | Wireless        | Remote Open From myQ Business (WiFi®, Ethernet, Gateway)                        |  |
| <b>Confirm Settings for Power and Loop Errors</b> |                 |   |  |
| 26  | Power Loss      | AC Fail Set to "Open"   | Opens and holds open when AC loss for more than 15 secs                                    |
| Menu  | Power Loss      | Battery Fail Set to "Open"  | Opens and holds open when AC loss and Battery level has 0 bars. (AC Fail Set to "Battery") |
| 22  | Exit Loop Error | EXIT Fail set to "Open"   | Monitored Exit Loop from expansion board experienced an error                              |
| <b>Determine Method to Close Gate</b>             |                 |   |  |
| 2   | Wired           | On-Board Close  | Hard Inputs* / Line of Sight User Controlled   |
| 4 & 6   | Wired           | 3-Button Station Close  | Hard Inputs* / Line of Sight User Controlled   |
| 9 & 25  | Loops           | Monitored Close Eyes/Interrupt on Main Board (Short to Common) + Quick Close ON | 3rd Party Loop Detector  |
| 24 & 25   | Loops           | Interrupt Loop Exp Board (Loop Detector) + Quick Close ON                       | LiftMaster Loop Detector   |
| 14 & 16   | Wired           | Exp Board Close   |  |
| 12 & 16   | Wired           | Exp Board Single-Button-Control (SBC)   |  |
|   | Wireless        | Learned Transmitter   |  |
|   | Wireless        | Remote Close from myQ Business (Wi-Fi, Ethernet, Gateway)                       |  |
| Menu  | Automated       | Timer to Close  | Set to 4-995 secs  |

\*Hard Inputs (Maintained Input for more than 5 seconds will override safeties)

| <b>Ways to Hold Open/Close</b> |                           |                |
|--------------------------------|---------------------------|----------------|
| Open, Remove Stop Jumper       | Close, Remove Stop Jumper | CAPX Hold Open |

# Step 3:

## Connect Eyes / Edge Devices

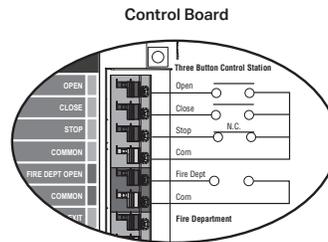
The use of LiftMaster Monitored devices is recommended.

| Key     | Input                                       | Monitored Eye | Non-Monitored Eye | Wireless Edge |
|---------|---|---------------|-------------------|---------------|
| 9       | Monitored Close Eyes / Interrupt and Common | Y             | N                 | N             |
| 10      | Close Eyes / Close Edge and Common          | Y             | Y                 | N             |
| 11      | Open Eyes / Edge and Common                 | Y             | Y                 | N             |
| 17 & 20 | Eye Only and Common                         | Y             | Y                 | N             |
| 18 & 20 | Eye / Edge and Common                       | Y             | Y                 | N             |
| 19 & 20 | Eye / Edge and Common                       | Y             | Y                 | N             |
| 21      | Wireless Edge                               | N             | N                 | Y             |

# Common Gate Control Scenarios

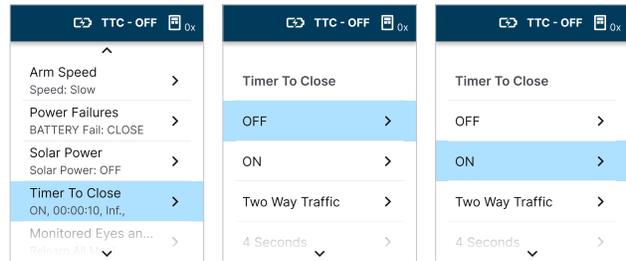
## Scenario 1:

User Controlled 3 Button Station



## Scenario 2:

Automated Close by Timer



## Scenario 3:

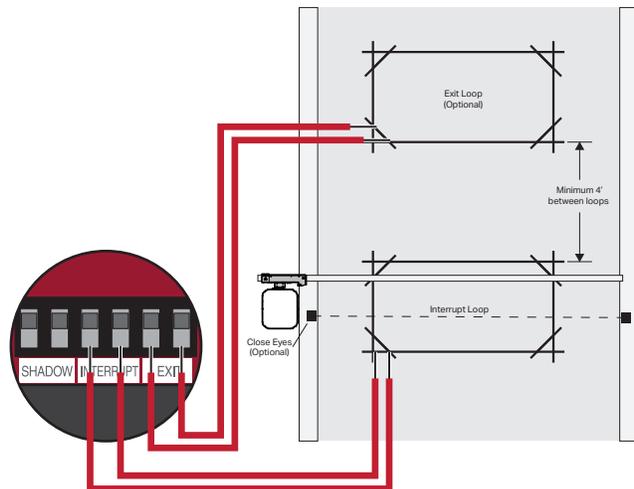
Automated Open by Vehicle Detection (Exit Loop)

## Scenario 4:

Automated Close by Vehicle Detection (Quick Close)

Step 1: Interrupt Loop goes into Exp board Interrupt Loop  
 Loop  
 OR  
 Main Board 'Monitored Close Eyes / Interrupt' terminal

Step 2: Set 'Quick Close' Switch to ON  
 Note: To prevent tail gating, turn 'Anti-Tail' Switch to ON.

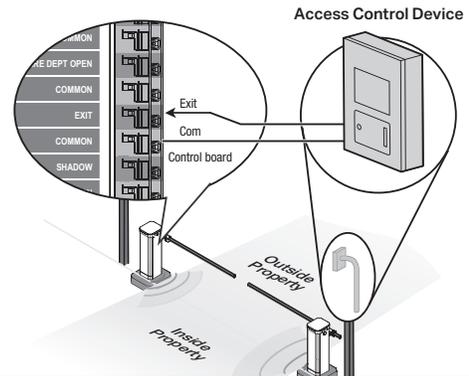


# Common Gate Control Scenarios

## Scenario 5:

### Automated Open By Access System

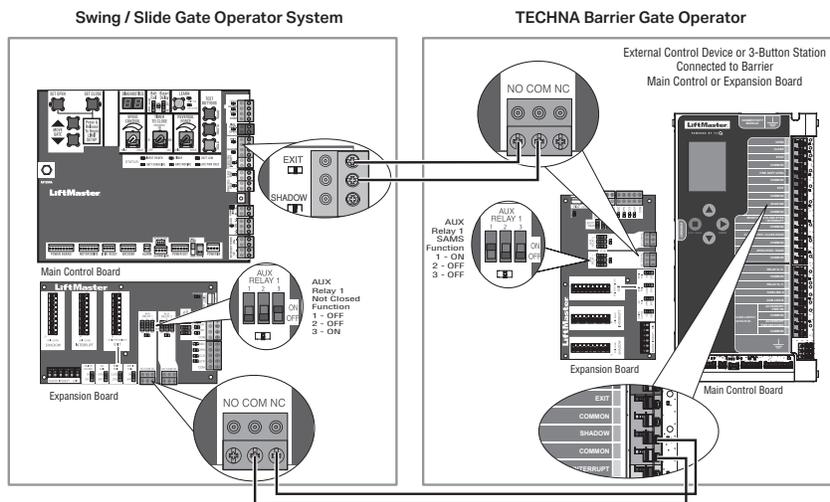
Access system to 'Exp Open'  
OR  
Main Board 'Exit' Input



## Scenario 6:

### SAMS (Sequence Access Management System)

SAMS only allows the barrier gate to open if the swing / slide gate is open. If the swing/slide gate is closed, the barrier gate will open the swing/slide gate. Menu > Operator Pairing > Mode > Relays and Sync Option > SAMS. Pulse only or SAMS Pulse and Hold.



## Scenario 7:

### Tandem

Tandem Operator Sync Mode will synchronize both paired operators to open and close together. Tandem Operator Sync Mode requires two operators of the same model to be connected via COM Link (preferred) or Wireless and then paired using the display menu.

To turn on Tandem Sync Mode after Operator Pairing is complete, on the display menu, navigate to "Operator Pairing > Sync Options > TANDEM Configuration > Enter"

