



### INTRODUCTION

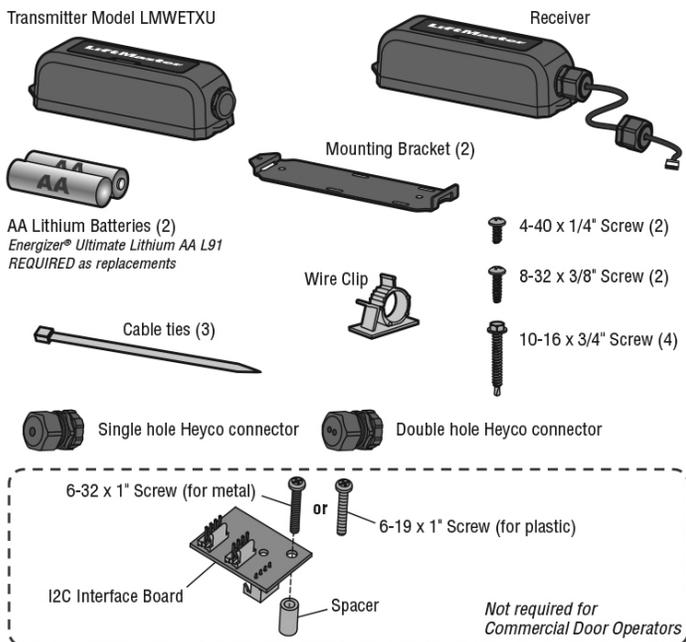
The LiftMaster Wireless Edge Kit provides a Bluetooth® connection between a LiftMaster monitored resistive edge (not included) and the LiftMaster commercial door operator. Maximum range is 130 ft. (39.6 m.) (for best results install with a clear line of sight between transmitter and receiver, objects in the path may reduce range). The kit works with LiftMaster monitored resistive edge sensors ONLY. Contact closure edge sensors are NOT supported. Refer to your LiftMaster operator manual to ensure compatibility (LMWEKITU and LMWETXU is listed under Monitored Entrapment Protection devices of the *Accessories* section). Transmitter and receiver are UL Recognized Components and meet UL 325 requirements. A monitored entrapment protection device MUST be installed in each entrapment zone.

#### Compatible LiftMaster® Commercial Door Operators:

- HPH1
- JDC
- JHDC
- TDC

*Illustrations in manual are for reference only, your application may look different.*

### CARTON INVENTORY



## ! WARNING

To prevent possible SERIOUS INJURY or DEATH from a closing gate or door:

- Be sure to DISCONNECT ALL POWER to the operator BEFORE installing the wireless edge kit.
- The gate or door MUST be in the fully opened or closed position BEFORE installing the LiftMaster® Monitored Entrapment Protection device.
- Correctly install and connect the wireless edge kit.
- LiftMaster® Monitored Entrapment Protection devices are for use with LiftMaster® UL 325 compliant Gate and Commercial Door Operators ONLY. Use with ANY other product voids the warranty.
- Monitored external entrapment protection devices MUST be installed per the operator installation manual for each Entrapment Zone.



**WARNING:** This product can expose you to chemicals including lead, which are known to the State of California to cause cancer or birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## 1 WIRE THE RECEIVER

**IMPORTANT:** Disconnect ALL power to the operator.

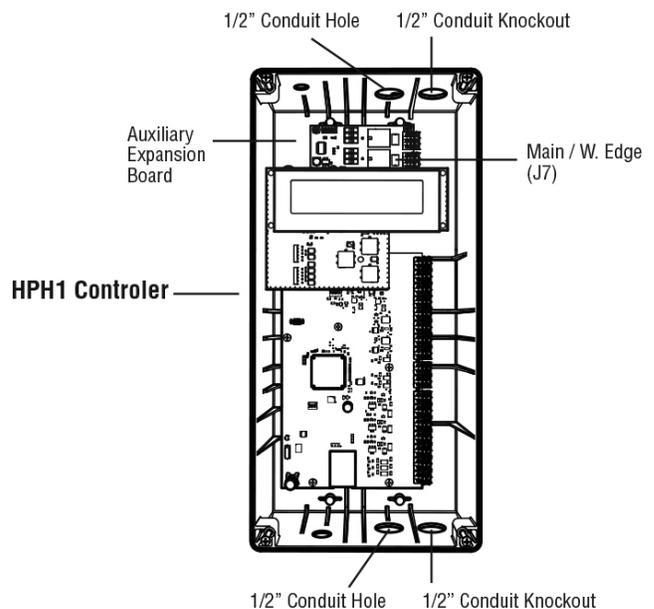
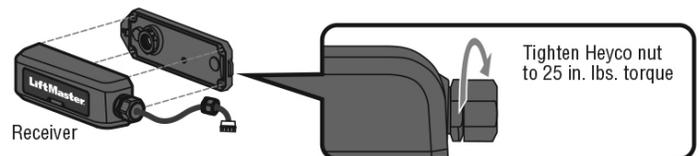
1. Open the receiver housing.
2. Route the wire harness from the receiver to the operator's controller. Utilize one of the 1/2 in. conduit holes or knockouts on the controller enclosure.
3. Connect to the expansion board.

**For HPH1:** Connect the wire harness to the EXPANSION BOARD connector labeled "MAIN / W. EDGE" (marked J7 on PCB board).

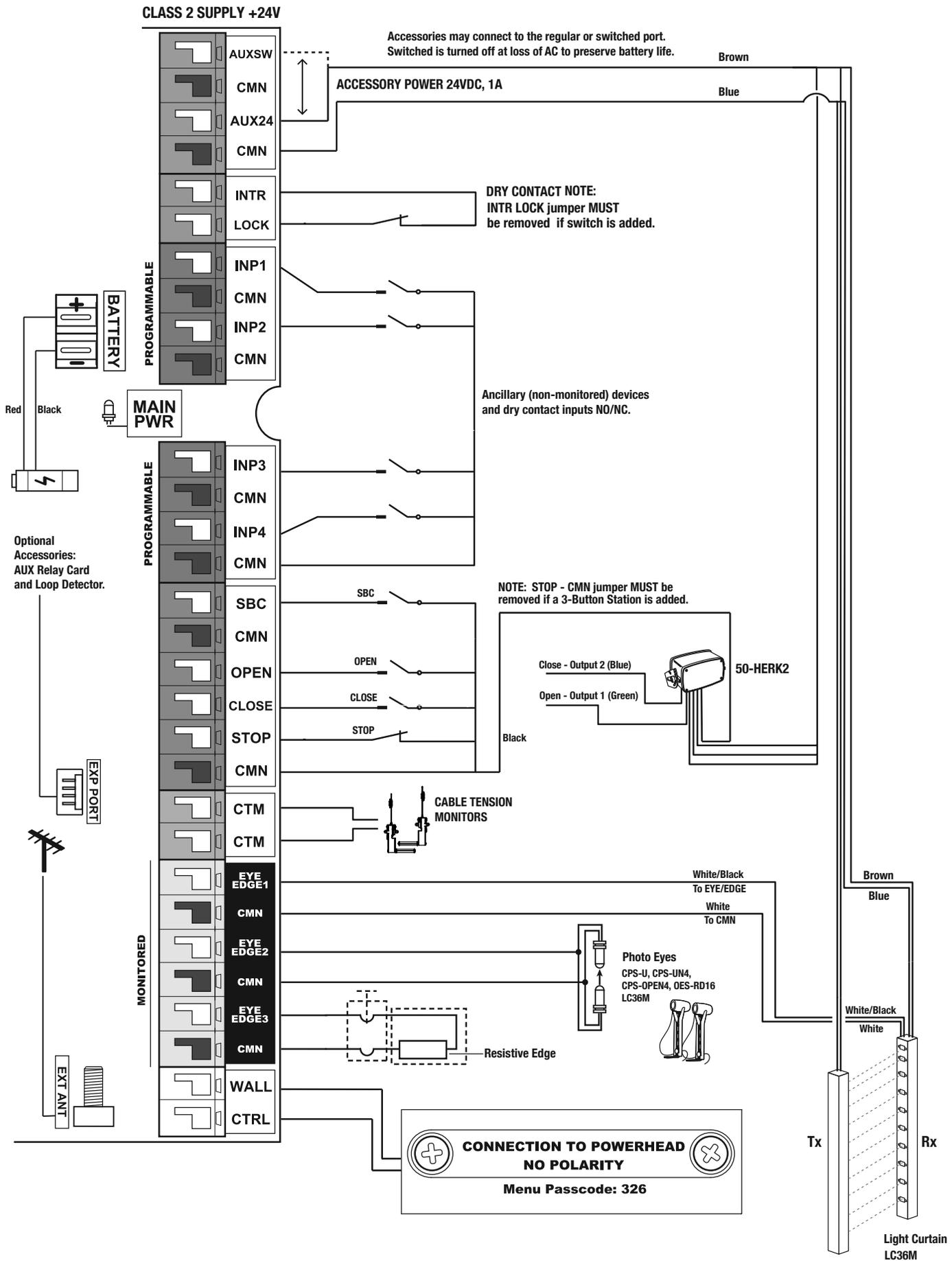
**NOTE:** When connected properly, the wire color order is RED, BLUE, GREEN, WHITE.

**For JDC, JHDC, and TDC:** Connect to the "EXP PORT" on the control board.

4. Tighten the Heyco connector with 25 in. lbs. of torque to make receiver watertight.
5. Reconnect power to the operator. The receiver blue power LED will come on.

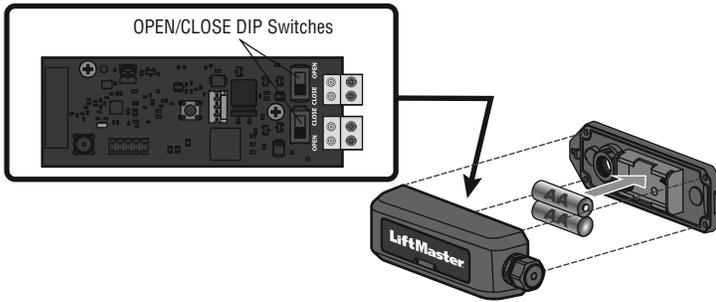


# WIRING DIAGRAM FOR JDC, JHDC, TDC



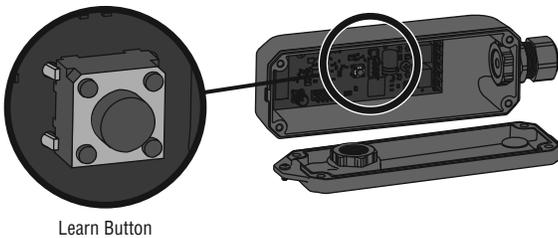
## 2 INSTALL TRANSMITTER BATTERIES AND SET EDGE DIRECTION

1. Open the transmitter housing.
2. Install the batteries. DO NOT let the bottom housing hang by the wires. Energizer® Ultimate Lithium AA L91 batteries are REQUIRED as replacements.
3. The Open/Close dip switch should be set to CLOSE for door applications.



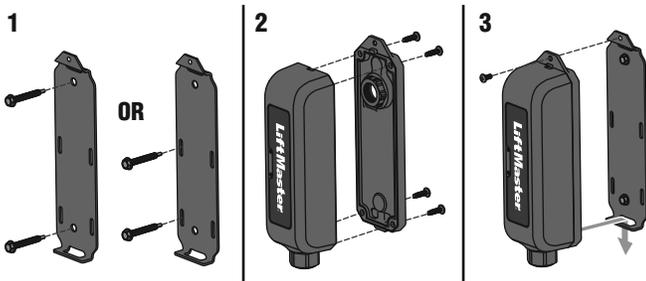
## 3 PROGRAMMING

1. Press the learn button on the RECEIVER board. The red LED will come on to indicate programming mode. **NOTE:** To exit programming mode, press the learn button again.
2. Press the learn button on the TRANSMITTER to be learned. The red LED on the RECEIVER will blink 4 times. **NOTE:** Learn mode times out after 60 seconds if no transmitters are added or the capacity is reached.



## 4 MOUNT THE RECEIVER

- IMPORTANT:** Disconnect ALL power to the operator.
1. Attach the mounting bracket to the operator or wall with the screws provided (8-32 3/8" or 10-16 3/4").
  2. Attach the receiver housing with screws provided.
  3. Place the receiver onto the mounting bracket and secure with the 1/4" screw provided.
  4. Reconnect power to the operator.



## 5 WIRE AND MOUNT THE TRANSMITTER(S)

For best results, install with a clear line of sight between transmitter and operator.

1. Route the wires from the edge sensor into the transmitter. Connect the wires to either terminal block (polarity is NOT important). The operator will beep once to indicate the edge sensor has been learned. Apply pressure to edge. The red LED will flash if the transmitter is wired correctly. Tighten the Heyco connector with 25 in. lbs. of torque to make transmitter watertight. Use double hole Heyco connector when connecting 2 edge sensors (for gate operations only).
2. Attach the mounting bracket to the door with the screws provided (8-32 3/8" or 10-16 3/4") at least 3.28 ft. (1 m) above the ground. If installing on a round surface, use zip ties (not provided).
3. Attach the transmitter housing with the screws provided.
4. Place the transmitter onto the mounting bracket and secure with the 1/4" screw provided.

## 6 TEST

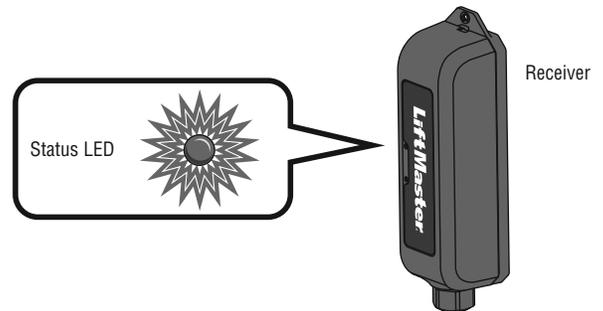
Apply pressure to edge. The red LED on the TRANSMITTER will flash. The controller LCD should state WLESS BLOCKED. If the TRANSMITTER LED does not flash, check the transmitter for proper installation and wiring. See the Transmitter and Receiver Troubleshooting page and check the edge sensor for proper installation and wiring.

## BATTERY STATUS

When the edge is activated, the red status LEDs on the transmitter(s) and receiver flash to indicate the battery status.

**NOTE:** The receiver LED corresponds to the lowest battery level of all transmitters.

1 Flash	Battery is fine.
2 Flashes	Battery is low; the operator will beep twice.
3 Flashes	Battery is critically low; the operator will not function until the battery is replaced. The operator will either open automatically (fail-safe) or latch at close (fail-secure) based on the operator setting (see the operator's manual for more information).



## BLUETOOTH® COMMUNICATION TROUBLESHOOTING

- Check for electromagnetic interference from nearby electronics which could be broadcasting at the frequencies used by the transmitter.
  - **LED and fluorescent lighting systems:** Turn off the lights and see if performance improves.
  - **Wi-Fi®, security systems, radio, cellular, and other wireless equipment:** Disable if possible or shorten the distance between the transmitter and receiver.
  - **Motor magnetic fields, possibly including the operator motor:** Make sure the receiver is installed in line of site to the transmitter or as best as possible.

**NOTE:** If a Bluetooth® headset used by a technician has interference problems, there is likely interference between the transmitter and receiver.

- Test the battery status in transmitter, see *BATTERY STATUS* page. Replace batteries if necessary.
- Distance between transmitter and receiver may be too far. Shorten the distance between the transmitter and receiver.
- Check for loose wiring connections between the edge sensor and transmitter which can cause intermittent drop outs.
- Open the edge sensor, transmitter, and receiver to make sure no moisture is present.
- Test the transmitter and receiver, see *TEST* page. A bad transmitter or receiver is the least likely cause, test all other alternatives first.

## TROUBLESHOOTING

The diagnostic display on the gate operator control board shows a code to indicate a problem. See operator manual for diagnostic codes.

- F63 BLE MISS. Open Edge. See Bluetooth Communication Troubleshooting section. Cycling the door or testing the edge may clear this fault code.
- F64 BLE MISS. Close Edge. See the Bluetooth Communication Troubleshooting section. Cycling the door or testing the edge may clear this fault code.
- F68 CRITBATT. Check batteries.

## ERASE ALL TRANSMITTERS FROM MEMORY

Press and hold the RECEIVER learn button until the red status LED begins to flash. Press and hold the receiver learn button until after the learn button stops flashing. The gate operator will beep for 5 seconds to confirm all transmitters are erased.

## WARRANTY

LiftMaster® warrants to the first consumer purchaser of this product that it is free from defect in materials and/or workmanship for a period of 2 years from the date of purchase.

**NOTICE:** This device complies with part 15 of the FCC rules and Innovation, Science and Economic Development Canada license-exempt RSSs. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device must be installed to ensure a minimum 20 cm (8 in.) distance is maintained between users/bystanders and device.

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules and Industry Canada ICES standard. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## HOW TO ORDER REPAIR PARTS

### DEVANCO CANADA

19192 HAY ROAD, UNIT Q  
SUMMERSTOWN, ON K0C 2E0

TOLL FREE: 855-931-3334  
[www.devancocanada.com](http://www.devancocanada.com)

**WHEN ORDERING REPAIR PARTS  
PLEASE SUPPLY THE FOLLOWING INFORMATION:**

- ✓ PART NUMBER
- ✓ DESCRIPTION
- ✓ MODEL NUMBER