

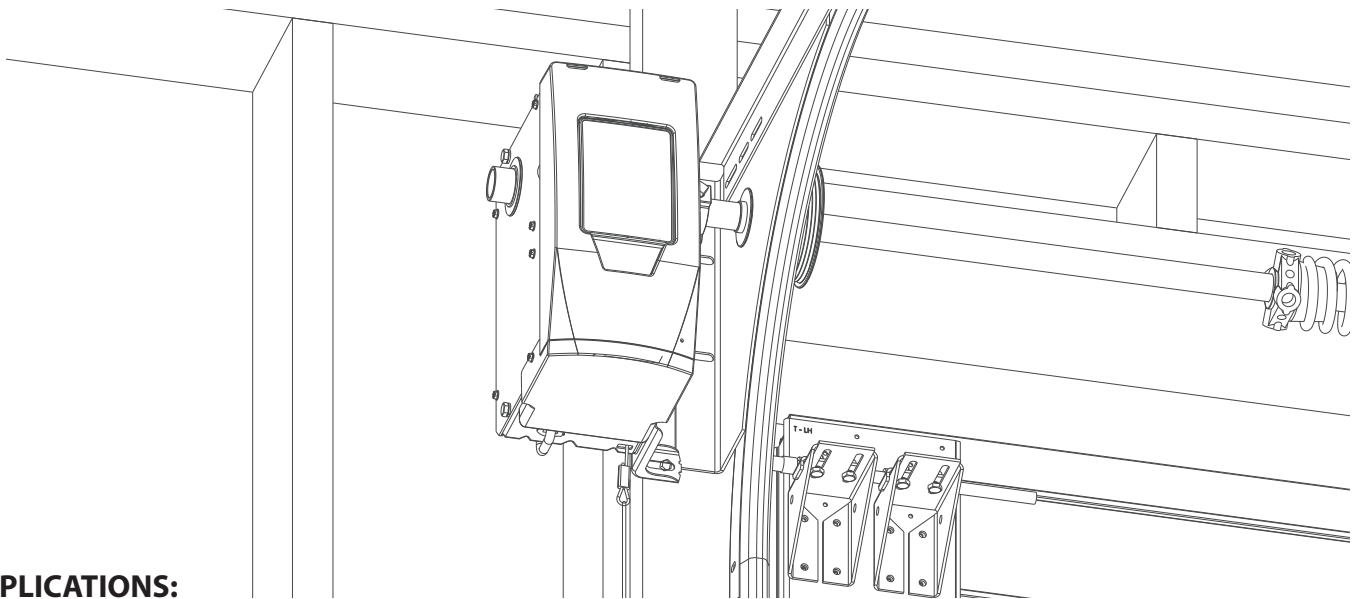
# **GCL-LJ** **Light Duty Operator**

Model OPGLDJ0011 for Sectional Doors

**DO NOT USE ON ROLLING DOORS**



## **Light Duty Jackshaft Operator**



### **APPLICATIONS:**

Jackshaft operators can be assembled in the following configurations:

- Direct Couple
- Chain Couple (optional kit)

Jackshaft operators can be installed on the following types of doors up to 14 feet high:

- Sectional Doors - Standard Lift, Lift Clearance or Vertical Lift

HP/Max Door sq.ft. / weight / height:

- 180 sq. ft. / 850 lbs. / 14 ft.

## **NOT FOR RESIDENTIAL USE**

**This installation manual provides the information required to install, program, troubleshoot and maintain a GCL-LJ operator.**

SERIAL NUMBER DECAL

PLACE iDCM SERIAL NUMBER DECAL HERE IF Optional iDCM KIT IS INSTALLED

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**SAVE THESE INSTRUCTIONS**

**READ AND FOLLOW ALL INSTRUCTIONS**

**FCC Part 15.21 Statement:**

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

**FCC / IC Statement:**

**This device complies with FCC Part 15 and Industry Canada licence-exempt RSS standard(s). 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 of the device.**

**Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.**

# 1 GENERAL INFORMATION AND INSTRUCTIONS

## **Job Site Issues to Consider/Concerns**

The following list of items should be considered prior to selecting an operator for a given job site.

1. Available power supply.
2. Type of door.
3. Potential operator mounting obstructions. Items to consider include, but are not limited to: Room above door shaft, room below door shaft, available mounting surface integrity, power supply location, and convenient release cable positioning.
4. Size of door for appropriate operator torque and door travel speed selection.
5. Operator mounting environment. Items to consider include operator location, dampness of location, dustiness of the location and corrosiveness of the location.
6. Door activation needs/requirements. Examples include 3 button control stations, 1 button control stations, radio controls, pull cords, loop detectors, photoelectric controls, key switches, etc. See ENTRAPMENT PROTECTION section.
7. Interlock switches are required under certain conditions for doors with pass doors, door lock and dock levelers.
8. Accessory equipment. Examples include reversing edges and/or photocells, which are required for doors set to operate as momentary contact, auxiliary control relays, warning lights, etc. See ENTRAPMENT PROTECTION section.

### CAUTION

Check working condition of door before installing the operator. Door must be free from sticking and binding. If equipped, deactivate any door locking device(s). Door repairs and adjustments, including cables and spring assemblies MUST be made by a trained service representative using proper tools and instructions.

### ATTENTION

Vérifiez l'état de fonctionnement de la porte avant d'installer l'opérateur. La porte doit pouvoir bouger librement et ne pas coincer. Désactivez tous les dispositifs de verrouillage de la porte (si équipés). Les réparations et les réglages de porte, plus particulièrement pour les câbles et les ressorts DOIVENT être effectués par un technicien qualifié qui se sert d'outils appropriés et qui respecte les instructions.

### WARNING

DO NOT apply line voltage until instructed to do so.

### AVERTISSEMENT




NE PAS mettre sous tension tant que l'instruction n'est pas donnée de le faire.

# SAFETY INFORMATION AND INSTRUCTIONS







## **WARNING**

Commercial Doors are large, heavy objects that move with the help of springs under high tension and electric motors. Since moving objects, springs under tension, and electric motors can cause injury, your safety and the safety of others depend on you reading the information in this manual. If you have any questions or do not understand the information presented, call your nearest service representative. For the number of your local Genie Dealer at 1-800-OK-GENIE

In this manual the words Danger, Warning, and Caution are used to stress important safety information. The word:

-  **DANGER** indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
-  **WARNING** indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
-  **CAUTION** indicates potentially hazardous situation which, if not avoided, may result in injury or property damage.

The word **NOTE**, is used to indicate important steps to be followed or important considerations.

POTENTIAL HAZARD	EFFECT	PREVENTION
<b>MOVING DOOR</b> 	 <b>WARNING</b> Could result in Serious Injury or Death	Do Not operate unless the doorway is in sight and free of obstructions. Keep people clear of opening while door is moving. Do Not allow children to play with the door operator. Do Not change operator control to momentary contact unless and external monitored reversing means is installed. Do Not operate a door that jams or one that has a broken spring.
<b>ELECTRICAL SHOCK</b> 	 <b>WARNING</b> Could cause Serious Injury or Death	Turn off electrical power before removing operator cover. When replacing the cover, make sure wires are not pinched or near moving parts. Operator must be electrically grounded.
<b>HIGH SPRING TENSION</b> 	 <b>WARNING</b> Could cause Serious Injury or Death	Do Not try to remove, repair or adjust springs or anything to which door spring parts are fastened, such as wood block, steel bracket, cable or any other structure or like item. Repairs and adjustments must be made by trained service representative using proper tools and instructions.

## **IMPORTANT**

### **READ PRIOR TO ANY DOOR OPERATION**

1. Read manual and warnings carefully.
2. Keep the door in good working condition. Periodically lubricate all moving parts of door.
3. If door has a sensing edge, check operations monthly. Make any necessary repairs to keep it functional.
4. AT LEAST twice a year, manually operate the door by disconnecting it from the operator. The Door should open and close freely. If it does not, the door must be taken out of service and a trained service representative must correct the condition causing the malfunction.
5. The Operator Motor is protected against overheating by an internal thermal protector. If the motor protector is tripped, a trained service technical may be needed to correct the condition which caused the overheating. When the motor has cooled, thermal protector will automatically reset and normal operation can be resumed.
6. In case of power failure, the door can be operated manually by pulling the release cable to disconnect the operator drive system.
7. Keep instructions in a prominent location near the pushbutton.

# SAFETY INFORMATION AND INSTRUCTIONS




## ⚠️ AVERTISSEMENT

Les portes motorisées sont grandes objets lourds qui fonctionnent à l'aide de ressorts soumis à une haute tension et de moteurs électriques. Dans la mesure où les objets en mouvement, les ressorts sous tension et les moteurs électriques peuvent entraîner des blessures, votre sécurité et celle des autres exigent que vous preniez connaissance des informations stipulées dans ce manuel. Si vous avez des questions ou si vous ne comprenez pas les informations ci-incluses, veuillez contacter le représentant de service le plus près. Pour obtenir le numéro du revendeur Genie local, appelez le +1 (800)-OK-GENIE.

Dans ce manuel, les mots Danger, Avertissement, et Attention sont utilisés pour faire ressortir d'importantes informations relatives à la sécurité. Le mot :

- ⚠️ **DANGER** signale une situation dangereuse imminente qui si elle n'est pas évitée, risque d'entraîner des blessures graves, voire mortelles.
- ⚠️ **AVERTISSEMENT** signale une situation potentiellement dangereuse qui, si elle n'est pas évitée, risque d'entraîner la mort ou des blessures graves.
- ⚠️ **ATTENTION** signale une situation potentiellement dangereuse qui, si elle n'est pas évitée, risque d'entraîner des blessures ou des dommages matériels.

Le terme **REMARQUE** est utilisé pour signaler les étapes importantes à suivre ou d'importants éléments à prendre en considération.

DANGER POTENTIEL	EFFET	PRÉVENTION
<b>PORTE EN MOUVEMENT</b> 	<b>⚠️ AVERTISSEMENT</b> Pourrait entraîner des blessures graves voire la mort	Utiliser uniquement si la porte est en vue et libre de tout obstacle. Ne laisser personne se tenir dans l'ouverture de la porte pendant qu'elle est en mouvement. Ne pas permettre aux enfants de jouer avec l'opérateur de la porte. Ne pas modifier la commande de l'opérateur à contact momentané à moins qu'un moyen d'inversion externe soit installé. Ne pas faire fonctionner une porte qui bloque ou dont le ressort est cassé.
<b>CHOC ÉLECTRIQUE</b> 	<b>⚠️ AVERTISSEMENT</b> Pourrait entraîner des blessures graves voire la mort	Couper le courant avant d'enlever le couvercle de l'opérateur. Lorsque le couvercle doit être remplacé, s'assurer que les fils ne sont ni coincés ni près des pièces mobiles. L'opérateur doit être correctement mis à la terre.
<b>TENSION ÉLEVÉE RESSORT</b> 	<b>⚠️ AVERTISSEMENT</b> Pourrait entraîner des blessures graves voire la mort	Ne pas essayer d'enlever, réparer ni ajuster les ressorts ou toute autre pièce à laquelle le ressort de la porte est attaché, y compris blocs de bois, supports en acier, câbles ou autres articles semblables. Les réparations et les réglages doivent être effectués par technicien qualifié qui se sert d'outils appropriés et qui respecte les instructions.

## CRITICAL INSTALLATION INFORMATION

### IMPORTANT INSTALLATION INSTRUCTIONS

#### WARNING

#### To reduce the risk of severe injury or death:

1. READ AND FOLLOW ALL INSTALLATION INSTRUCTIONS.
2. Install only on a properly operating and balanced door. A door that is operating improperly could cause severe injury. Have qualified service personnel make repairs to cables, spring assemblies and other hardware before installing the operator.
3. Remove all pull ropes and remove, or make inoperative, all locks (unless mechanically and/or electronically interlocked to the operator) that are connected to the door before installing the operator.
4. Install the door operator at least 8ft. (2.44m) or more above the floor, if operator has exposed moving parts. If the operator must be installed less than 8ft. (2.44m) above the floor, then exposed moving parts must be protected by covers or guarding.
5. Do not connect the door operator to the power source until instructed to do so.
6. Locate the control station: (a) within sight of the door, (b) a minimum of 5 feet above the floor so that small children cannot reach it, and (c) away from all moving parts of the door.
7. Install the Entrapment Warning Placard next to the control station and in a prominent location.
8. For products having a manual release, instruct the end user on the operation of the manual release.

### IMPORTANT INSTRUCTIONS D'INSTALLATION

#### AVERTISSEMENT

#### Pour réduire les risques de blessures graves ou de mort:

1. LIRE ET RESPECTER TOUTES LES INSTRUCTIONS D'INSTALLATION.
2. Installez uniquement sur une porte fonctionnant correctement et bien équilibrée. Une porte qui fonctionne mal peut provoquer des blessures graves. Demandez à un technicien qualifié d'effectuer les réparations des câbles, des ressorts et de toute autre quincaillerie avant de procéder à l'installation de l'opérateur.
3. Retirez toutes les cordes de traction ainsi que tous les verrous ou rendez-les inopérants (à moins qu'ils ne soient mécaniquement et/ou électroniquement interverrouillés à l'unité motrices) qui sont connectés à la porte avant de procéder à l'installation de l'opérateur.
4. Installez l'opérateur de porte à une distance de 2,44 m (8 pi) ou plus au-dessus du sol si des pièces en mouvement de l'opérateur sont exposées. Si l'opérateur doit être installé à une distance de moins de 2,44 m (8 pi) au-dessus du sol, les pièces en mouvement exposées doivent être protégées par des couvercles ou systèmes de protection fournis par le fabricant de l'opérateur.
5. Ne pas raccorder l'opérateur de la porte à la source d'alimentation avant que l'instruction ne soit donnée de le faire.
6. Installez la station de commande : (a) en vue de la porte, (b) à 1,5 m minimum au-dessus du sol pour que les jeunes enfants ne puissent pas l'atteindre, et (c) à l'écart de toutes les pièces mobiles de la porte.
7. Installez le poster d'avertissement de pincement à côté de la station de commande à un endroit bien en vue.
8. Pour les produits ayant un déclenchement manuel, indiquez à l'utilisateur comment déclencher manuellement.

## CRITICAL INSTALLATION INFORMATION

### IMPORTANT INSTALLATION INFORMATION

#### ENTRAPMENT PROTECTION:

The installation of a monitored fail safe external reversing device is required on all momentary contact electronically operated commercial doors. If such a reversing device is not installed, the operator will revert to a constant contact control switch for close operation.

Reversing devices currently UL Approved are:

<b><i>Standard Commercial Photocells with Extendable Brackets</i></b>	
38176R.S	KIT,PHOTOCELLS,COMMERCIAL (STANDARD EQUIP.)
<b><i>Protected Commercial Photocells with Extendable Brackets</i></b>	
OPAKPE2.S	KIT,PHOTOCELLS W/COMM BRKT
<b><i>NEMA 4X Photocells</i></b>	
OPAKPEN4GX.S	KIT,PHOTOCELLS,NEMA-4,50 FT
<b><i>Retro Reflective N4X Photocells</i></b>	
OPGAKRPEN4X.S	KIT,PHOTOCELLS,REFLECTIVE,GENIE
<b><i>Monitored Light Curtains (Powered with Transformer 36238A)</i></b>	
OPAKMLC3.S	KIT,LIGHT CURTAIN,3FT
OPAKMLC6.S	KIT,LIGHT CURTAIN,6FT
<b><i>DC/T3 Monitored Edge Interface Adapter</i></b>	
OPAKMEIGX.S	KIT,MONITORED EDGE X-SERIES Genie
<b><i>Wireless Edge Kit (Powered with Transformer (36238A)</i></b>	
OPAKGMMWE2.S	KIT,SAFE EDGE,MON,WIRELESS,GENIE

## Compatibility Considerations:

The light-duty jackshaft operator is intended for use on:

- Standard lift up to 14 feet tall, using industry standard APCO 400.8 , 400.12 and 5250.18 drums or equivalent.
- Hi-lift sectional doors up to 14 feet tall and 84 inches maximum of high lift using industry standard APCO 400.54 , 5250.54 and 500.84 drums or equivalent.
- Vertical lift doors up to 14' tall, using industry standard APCO 850.11 and 1100.18 drums or equivalent.
- Doors up to 18' wide not to exceed 180 square feet and 850 lbs. balance weight.
- Only doors that use torsion springs with a torsion bar diameter of 1" solid or hollow 14 or 16 ga. tubular steel.
- Not compatible with low headroom outside hook-up, i.e. reverse wound drums.

### ⚠ WARNING

- Garage door hardware (springs, cables, brackets, pulleys, etc.) are under extreme pressure and tension.
- **DO NOT** attempt to repair or adjust door springs or any hardware, and **DO NOT OPERATE** garage door automatically or manually if door is improperly balanced or springs are broken.
- **CONTACT A TRAINED DOOR SYSTEM TECHNICIAN.**

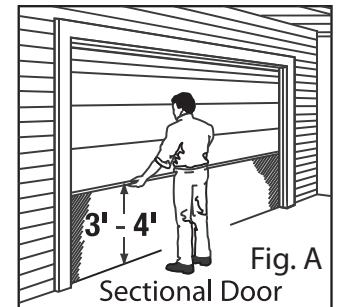
### ⚠ AVERTISSEMENT

- La quincaillerie de la porte de garage (ressorts, câbles, supports, poulies, etc.) sont sous des pressions et des tensions extrêmes.
- **NE PAS** réparer ni régler les ressorts de la porte ou toute autre pièce de quincaillerie et **NE PAS ACTIONNER** la porte manuellement ou automatiquement si elle n'est pas correctement équilibrée ou si des ressorts sont cassés.
- **CONTACTEZ UN TECHNICIEN SPÉCIALISÉ EN SYSTÈME DE PORTES**

## Door Inspection:

If the intended door meets the above requirements, inspect the door for proper balance and general condition.

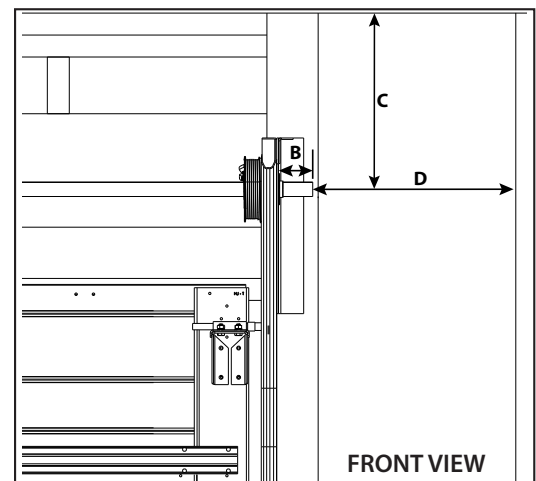
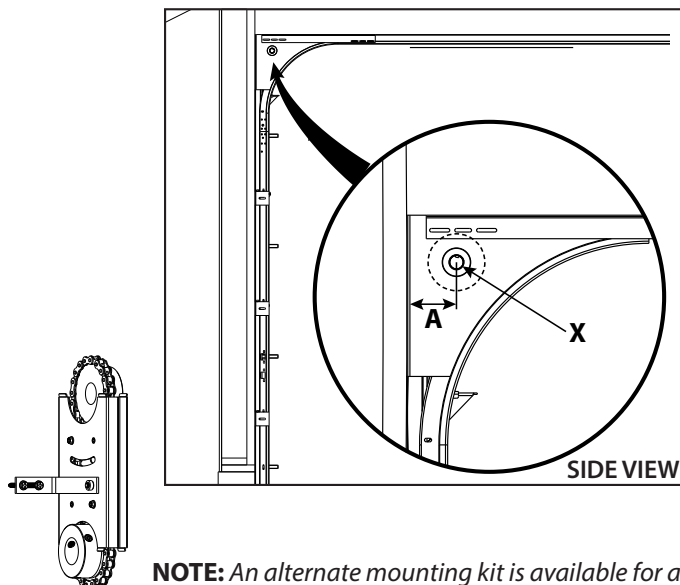
- Raise and lower the door manually. Door should move freely and smoothly.
- Raise door manually about 3' to 4' from floor and let go. Door should remain stationary or slowly drift closed. Fig.A.
- If door opens or closes rapidly, **CONTACT A TRAINED DOOR SYSTEM TECHNICIAN** to have your door springs serviced.
- Disable or remove ropes attached to the door and any locks which will not be interlocked with the operator.
- Monitor the end of the torsion bar while the door is raised and lowered. It is important that there is no noticeable movement up and down or side to side, if there is, **CONTACT A TRAINED DOOR SYSTEM TECHNICIAN**, otherwise operator reliability will be significantly reduced.



## Critical Measurements:

This operator can be installed left or right-handed. Critical measurements must be taken to ensure this operator will fit the intended door.

- This operator will directly couple onto torsion shafts, solid or tubular, of 1" in diameter with or without a keyway. (X)
- Measure the distance between the torsion bar centerline to the wall. This dimension must be between 2-1/2" and 6". (A)
- The torsion bar shaft must protrude no less than 2-1/4" from bearing plate. (B)
- A standard 115 VAC grounded electrical outlet will be required within 5' of the bottom of the operator.
- Torsion bar centerline to the ceiling must be at least 2-1/4" for clearance. (C) Note: Headroom required is less than smallest standard drum (400.8).
- End of torsion shaft to side wall clearance must be at least 7" for clearance (D)



**NOTE:** An alternate mounting kit is available for applications requiring indirect chain couple. P/N 40803R

# PRE-INSTALLATION CONSIDERATIONS

## Input Power Options:

### A. 115 VAC plug Provided with Operator

1. A 115 VAC power outlet must be available within 5' from bottom of the operator when mounted to door.
2. Continue installation starting on page 8.

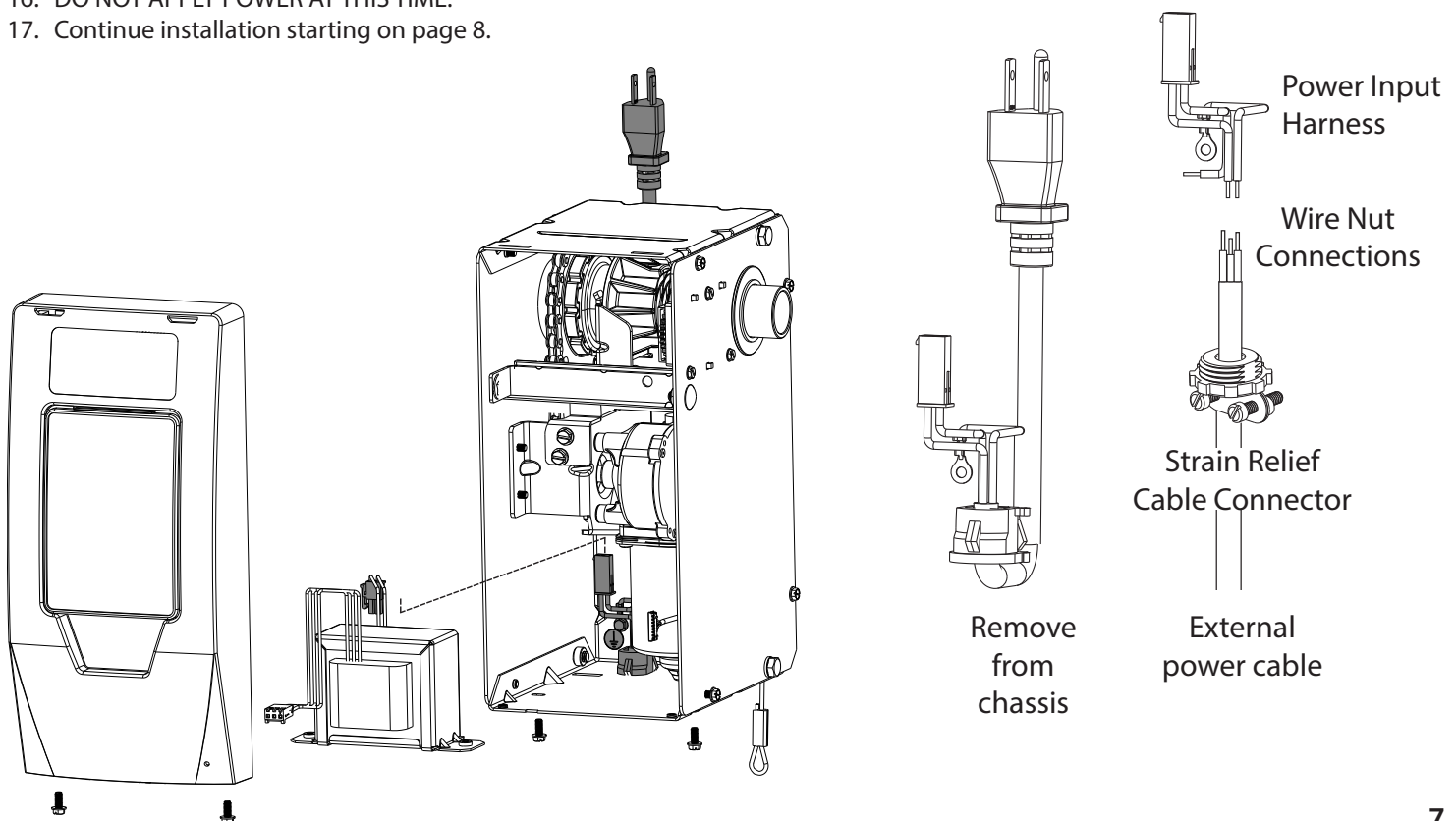
### B. Power Extension Kit P/N: 41194R.S

The power extension kit includes a 115 VAC plug, transformer box, 30' of low voltage cable, and a circuit board that replaces the transformer in the operator. This kit may be installed by a garage door technician in jurisdictions which do not require a licensed electrician to install low voltage circuits.

3. Follow installation instructions included with the power extension kit.
4. Continue installation starting on page 8.

### C. Permanent wiring should be completed by a trained electrician only:

1. Remove two screws from bottom of cover and remove main operator cover/circuit board assembly.
2. Unplug wire harnesses from main board.
3. Unplug input power cable connector from transformer input.
4. Remove transformer from chassis.
5. Remove strain relief and pull power cable from operator.
6. Install operator per instructions on pages 8 through 11.
7. Cut power cable wires and strip insulation from power cable input harness connector end.
  - All wire connections must be made **INSIDE CHASSIS** and there must be at least 3" of new power supply line wire inside chassis.
  - Check local code for the use of conduit or other protective material.
  - Conduit, fittings/strain relief, and wire nuts are not provided.
8. Install 1/2" NPT or other suitable connector into chassis. (Adhere to local electrical code(s) and regulations)
9. Connect permanent power input cable to harness wires using approved connectors or wire nuts (Adhere to local electrical code(s) and regulations)
10. Install ground connector to permanent power cable ground wire.
11. Install ground screw and power cable ground onto chassis.
12. Plug power input harness into transformer harness.
13. Install transformer.
14. Ensure input power cable and connections do not interfere with internal moving components.
15. Plug all harnesses into main control board and install cover assembly.
16. **DO NOT APPLY POWER AT THIS TIME.**
17. Continue installation starting on page 8.



# INSTALLING CABLE KEEPERS

## ⚠ WARNING

- Operating a door with frayed or broken counterbalance lift cables can result in severe or fatal injury.
- Contact a qualified door service company to replace frayed or broken cables before installing cable keepers.

## ⚠ WARNING

- Do not attempt to loosen or remove bottom corner brackets. They are under extreme spring tension and can cause severe or fatal injury.

## ⚠ AVERTISSEMENT

- Faire fonctionner une porte avec des câbles de levage à contrepoids effilochés ou cassés peut entraîner des blessures graves, voire mortelles.
- Contactez une société qualifiée en réparations de portes pour remplacer les câbles effilochés ou cassés avant d'installer des protège-câbles.

## ⚠ AVERTISSEMENT

- N'essayez pas de desserrer ou de retirer les supports en cornière inférieurs. Ils sont soumis à une tension de ressort extrême et peuvent causer des blessures graves, voire mortelles.

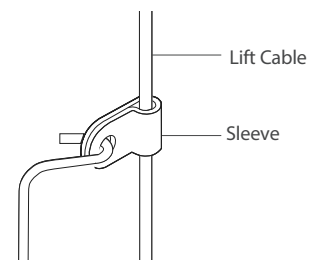
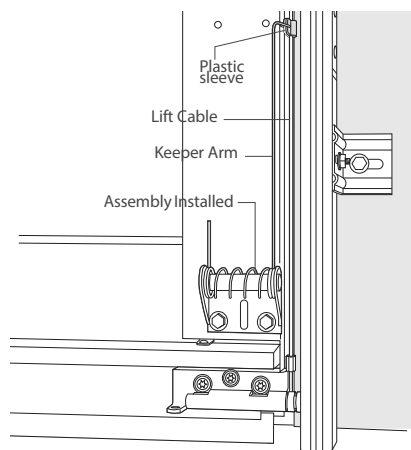
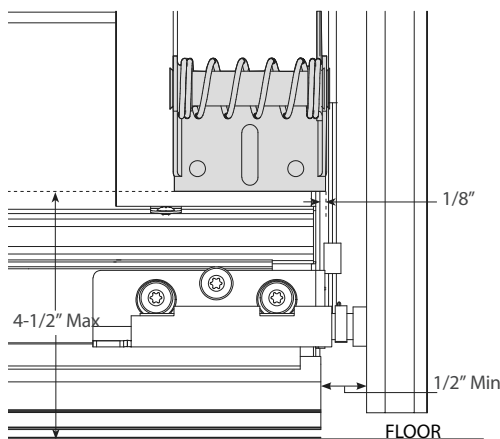
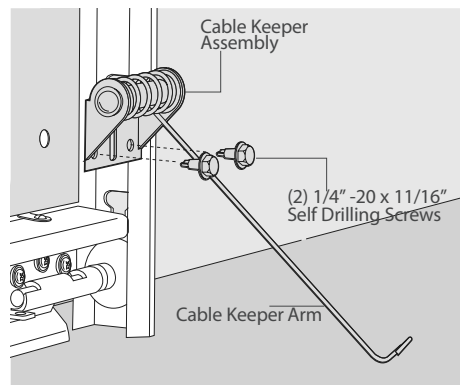
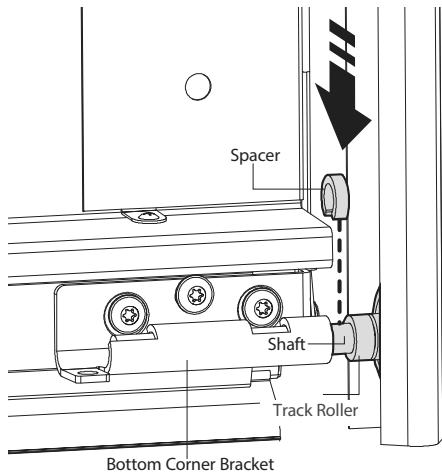
1. Carefully inspect the counterbalance lift cables on the door. If they are worn, frayed or broken, contact a qualified door service company to replace the counterbalance lift cables before installing the cable keepers.
2. Push spacer onto the shaft between the short stem track roller and the bottom corner bracket. Use an additional spacer if needed to achieve a minimum of 1/2" clearance.
3. If there is less than 1/2" clearance, loosen the lag screws attaching the track to the wall and adjust the track for the 1/2" clearance. Re-tighten the lag screws.
4. Position the right-hand (black) cable keeper assembly directly above the garage door bottom corner bracket.
5. The cable keeper assembly must extend 1/8" past the end of the door section. Ensure there is no more than 4-1/2" from the bottom edge of the door to bottom of cable keeper.

### IMPORTANT: RIGHT AND LEFT-HAND IS ALWAYS DETERMINED FROM INSIDE THE BUILDING LOOKING OUT.

6. Fasten the cable keeper assembly with (2) 1/4" - 20 x 11/16" self-drilling screws (wood doors will use (2) 1/4" x 1" lag screws).
7. Once the cable keeper assembly is secured to the bottom section, place the plastic sleeve over the counterbalance lift cable and then rotate the cable keeper arm upward and attach it to the plastic sleeve.
8. Repeat the same process for the left-hand (Red) cable keeper assembly.

**NOTE:** It is recommended that wood doors be pre-drilled with 1/8" pilot holes prior to fastening.

**IMPORTANT NOTE:** Operate door manually, full open to full close, and monitor keeper to ensure that it does not contact door track. Adjust as necessary.



# PREPARE OPERATOR FOR INSTALLATION

1. Close door.
2. Remove bolt and lock washer (A) from powerhead chassis and loosely install mounting bracket from kit bag on desired side of powerhead. (right hand mount shown).

**NOTE:** Bracket can be mounted to operator on either side depending on mounting requirements.

### 3. Install Coupler

- Tighten or loosen all 6 bolts until they are flush with the couplers internal bore or top of keyway if using on solid shaft with a keyway. (See **DETAIL A**).
- Add 1 full turn to operator output shaft bolts.
- Add 1 full turn to tubular door shaft bolts or 1/2 turn to solid door shaft bolts.

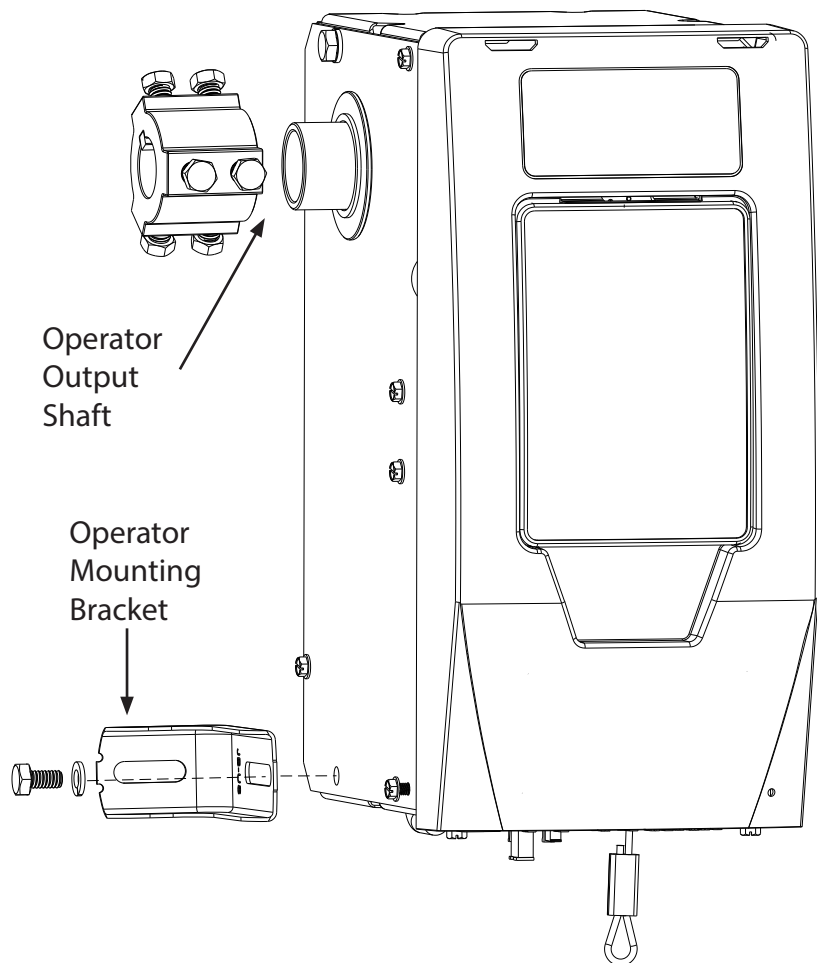
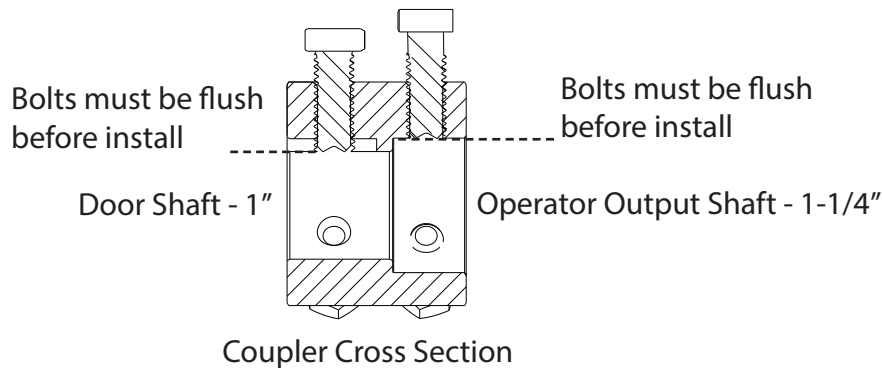
**NOTE:** Coupler bolts include thread locking compound.

**NOTE:** Coupler bolts use 1/2" wrench or socket.

**NOTE:** The coupler must be installed onto the operator output shaft until the coupler seats completely to the recess inside coupler.

**NOTE:** Operator **MUST** be mounted to garage framing material. **DO NOT** install to particle board or drywall.

**NOTE:** Alternate installation method: If dimension D (page 6) is less than 8", install coupler onto door shaft first.



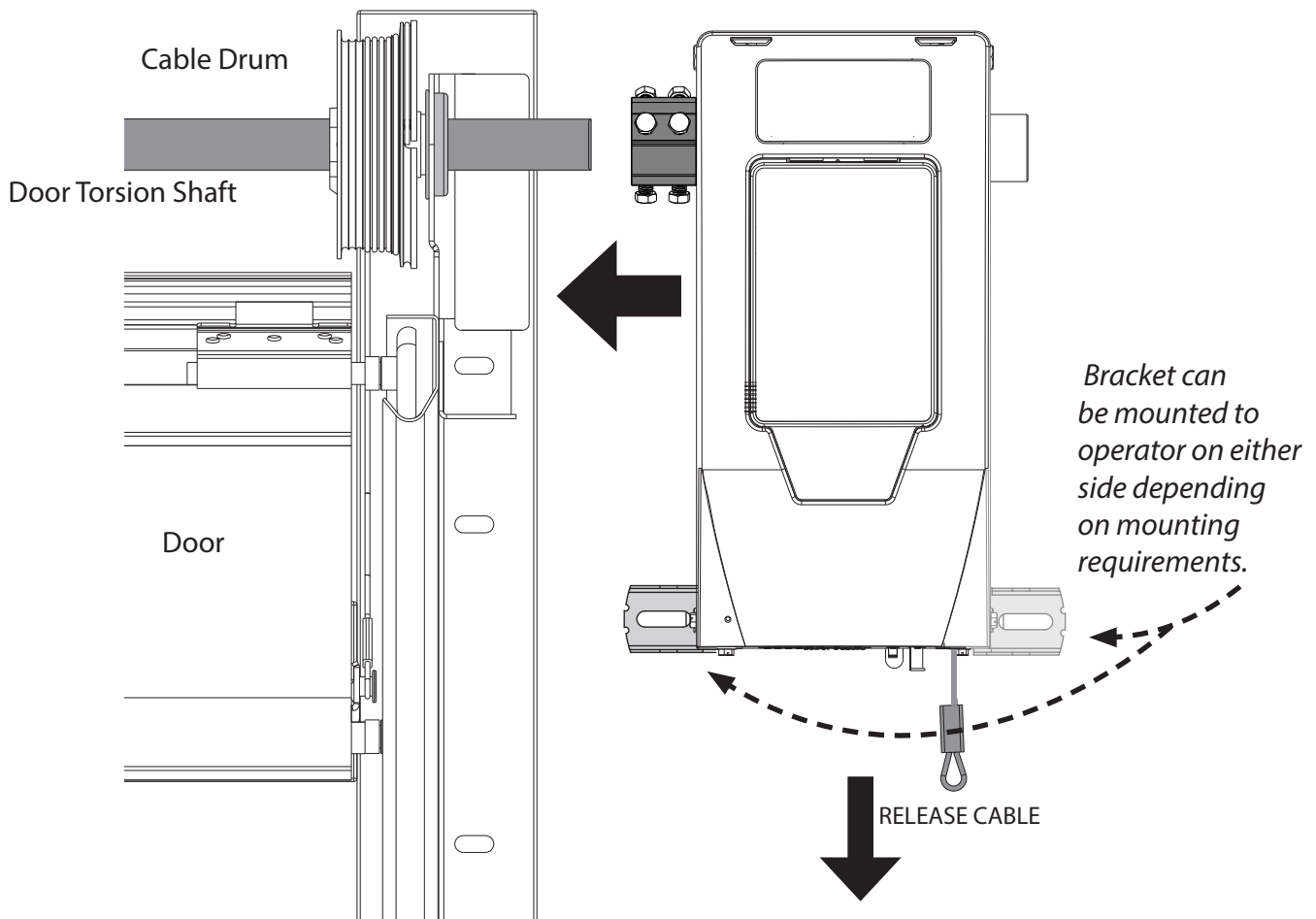
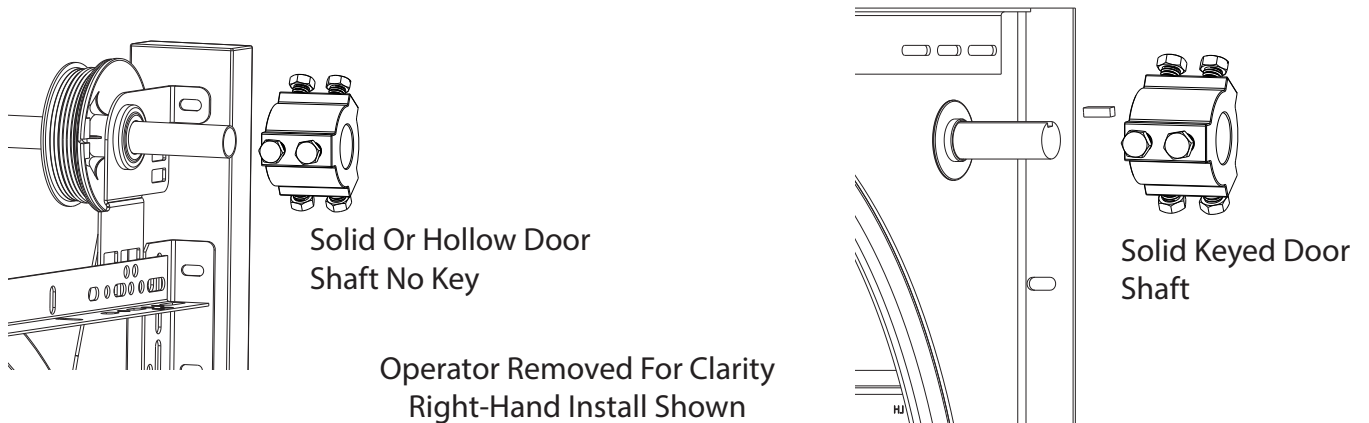
7/16" SOCKET



# INSTALLING THE OPERATOR

4. Mount operator to door shaft.
  - If the door shaft is NOT keyed, slide operator assembly onto door shaft and tighten setscrews finger tight.
  - If the door shaft IS keyed, insert provided key into either keyway. Pull emergency release cable at the bottom of the operator to allow free rotation of the output shaft to "clock" the keyways together.
5. Tighten set screws onto door shaft finger tight.

**NOTE:** The mounting of this operator to the door shaft is designed so the door shaft will slide through the coupler and enter the hollow output shaft of the operator up to 3 -3/8" (there is a stop pin located in the center of the operator output shaft).



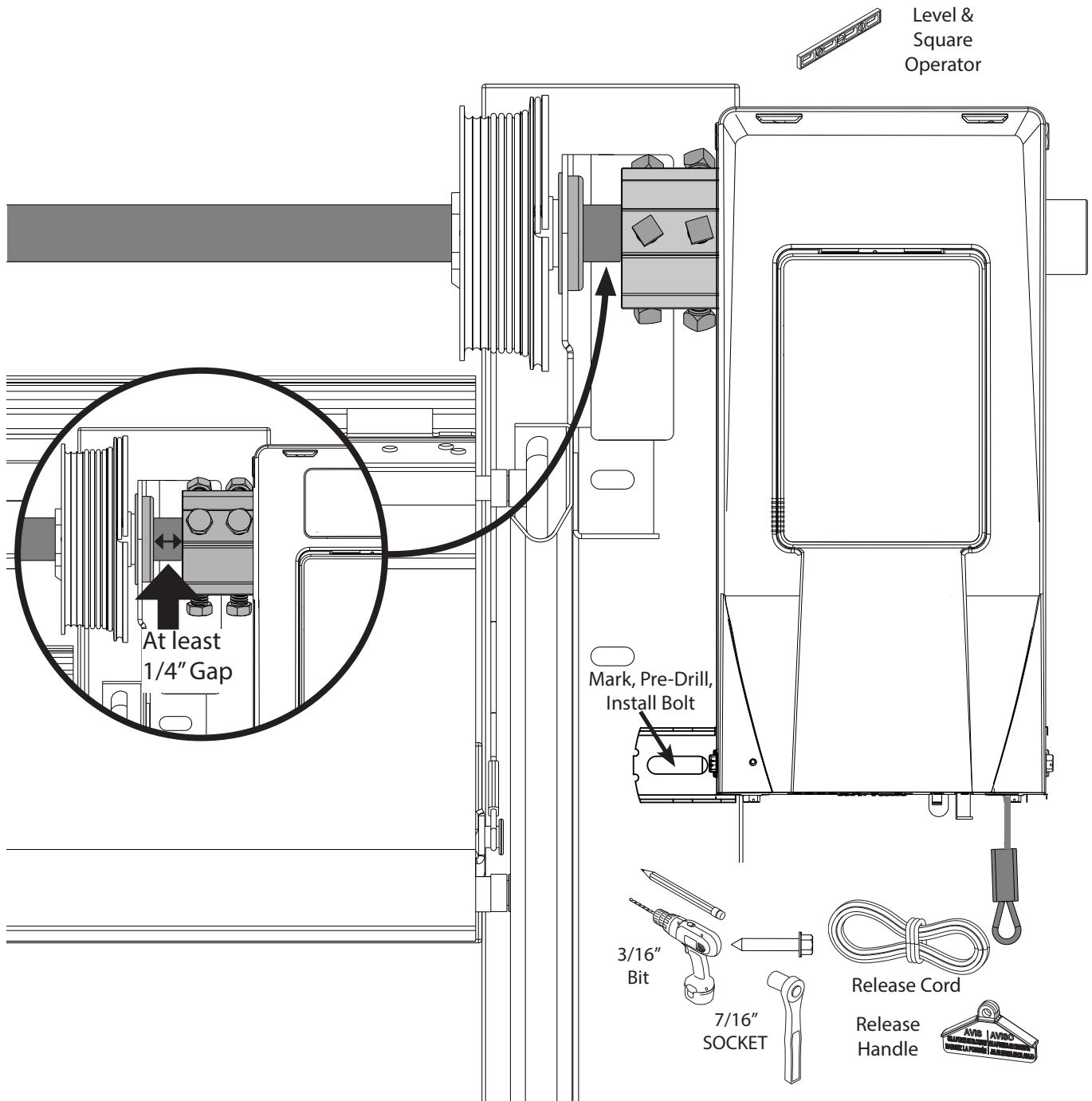
# INSTALLING THE OPERATOR (CONT')

6. Level and square operator.
7. Mark mounting bracket hole position, pre-drill a 3/16" pilot hole and install lag screw and fully tighten.
8. Leave at least a 1/4" gap between coupler and door shaft bearing.
9. Add 1 full turn on each coupler set screw.
10. Tighten mounting bracket bolt to operator.
11. Pull emergency release cable and manually operate door to inspect for binding.
12. Tie red emergency release cord to cable loop and tie release handle to cord approximately 5' from floor.

**NOTE:** Ensure all coupler bolts are secured prior to tightening mounting bracket bolt.

**NOTE:** Operator **MUST** be mounted to garage framing material. **DO NOT** install to particle board or drywall.

The instructions above are provided using standard wood framing and bracing. Additional bracing may be required for this installation. Hardware for masonry or steel construction is not provided.



ALL Optional MONITORED SAFETY DEVICES LISTED ON PAGE 5 WIRE TO THE **STB** TERMINALS ON OPERATOR POWERHEAD. REFER TO INSTALLATION INSTRUCTIONS INCLUDED WITH DEVICE.

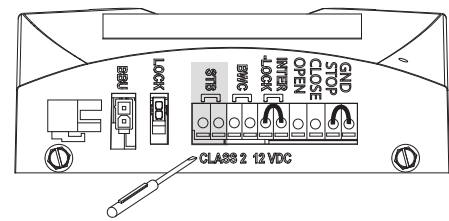
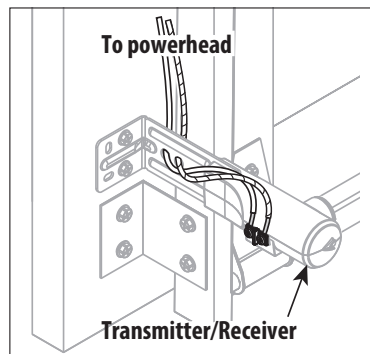
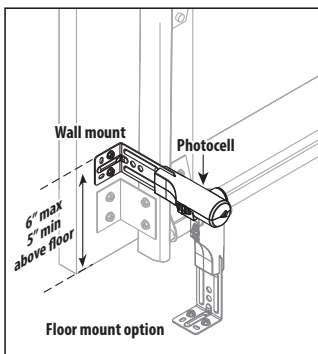
ONLY ONE MONITORED SAFETY DEVICE CAN BE INSTALLED TO THIS OPERATOR.

## Install and Wire Safe-T-Beams® (STB) - (Standard Equipment)

1. Position Safe-T-Beam® (STB) transmitter and receiver on each side of garage door 5" - 6" above floor. Face the lenses towards each other.
2. Mark bracket mounting holes; drill 3/32" pilot holes and secure with 1/4" x 1-1/4" lag screws (provided) into wood. If mounting into concrete or block, other fasteners are required and are not provided.
3. Route 2 lengths of supplied wire from powerhead, down to one sensor and along the header and down the side of the door to the other sensor. Secure the wire to the walls using the insulated staples.
4. On the powerhead: Remove 1/4" insulation from both sets of white and striped wire. Twist two white wires together. Using a small flat head screwdriver, press in the orange tab at one STB terminal and insert the wires. Twist the two striped wires together and insert into the other STB terminal.

**NOTE:** STB wires are not polarity sensitive.

5. At each sensor, remove 1/4" insulation from the white and striped wires and secure in each screw terminal.

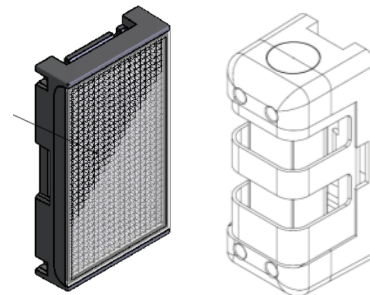


## Install and Wire Safe-T-Beams® (STB) - W/COMM BRACKET - (Optional)

1. Position heavy duty bracket and photocells per instructions provided with kit.
2. Attach both wires to operators STB terminals. Not polarity sensitive.

## Install and Wire Photocell, Reflective - (Optional)

1. Position reflective bracket and photocells per instructions provided with kit.
2. Attach both wires to operators STB terminals. Not polarity sensitive.



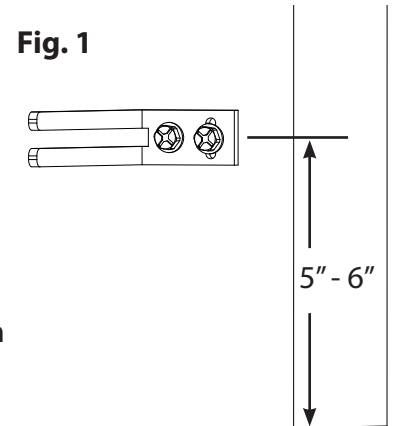
# WIRE THE OPERATOR

## Wire & Install NEMA 4X Photocells - (Optional)

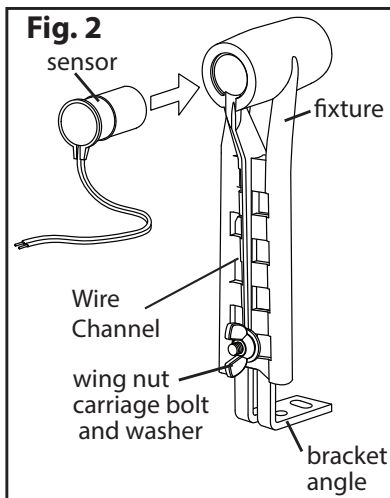
1. Fully close door.
2. Determine photocell location under the following considerations:
  - As near shutter opening as possible.
  - With an unobstructed path between photocells.
  - Extended from the wall so that door hardware will not obstruct beam.
  - Photocell must sit 5" to 6" above the floor.
3. Measure and mark hole locations for mounting brackets. Fig. 1
4. Drill 3/32" holes for mounting screws.
5. Mount brackets with provided screws. Fig. 1
6. Plug sensors into back of fixtures. Fig. 2.
  - They are labeled and must be put in their matching fixtures. Fig. 3
  - Once a sensor is inside a fixture they cannot be removed.
7. Press wire into channel cut into back of fixture. Fig. 2
8. Slide fixture onto mounting bracket and insert carriage bolt, washer, and wing nut loosely. Fig. 2
9. Adjust fixture on bracket as needed to align both sensors and tighten carriage bolt wing nuts.

**NOTE:** Each photocell includes 50' of wire. If additional wire is required, attach to operator and connect to included wire with wire nuts.

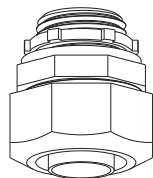
10. Route wire from each photocell to operator. (Secure wire with staples or in conduit as required).
11. Install weather proof connector into enclosure.
12. Split wires and install one from each side into each of the STB inputs on operator (not polarity sensitive).



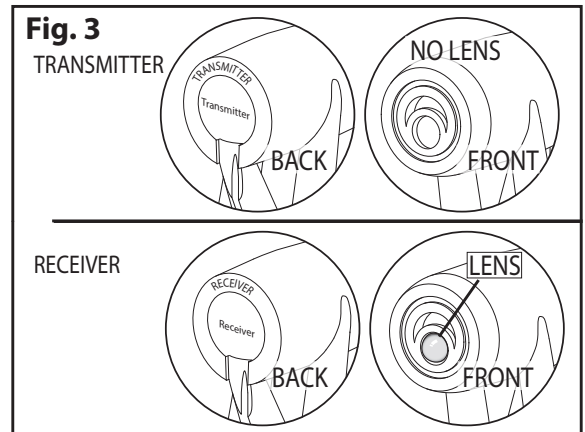
**Fig. 1**



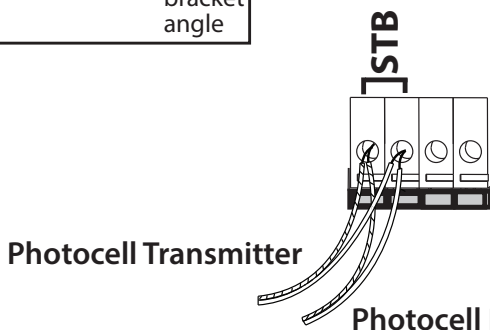
**Fig. 2**



Use of waterproof type connector is recommended

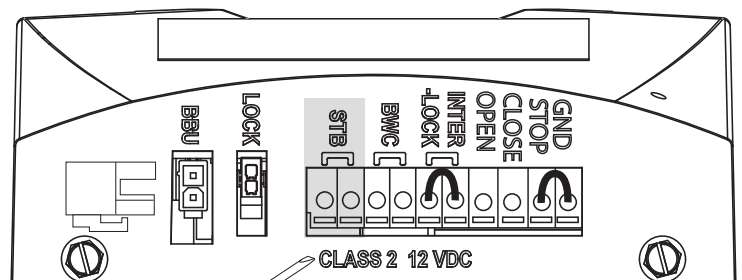


**Fig. 3**



Photocell Transmitter

Photocell Receiver



BOTTOM SIDE OF OPERATOR

# WIRE THE OPERATOR

## Monitored Light Curtain, Hardwired - (Optional)

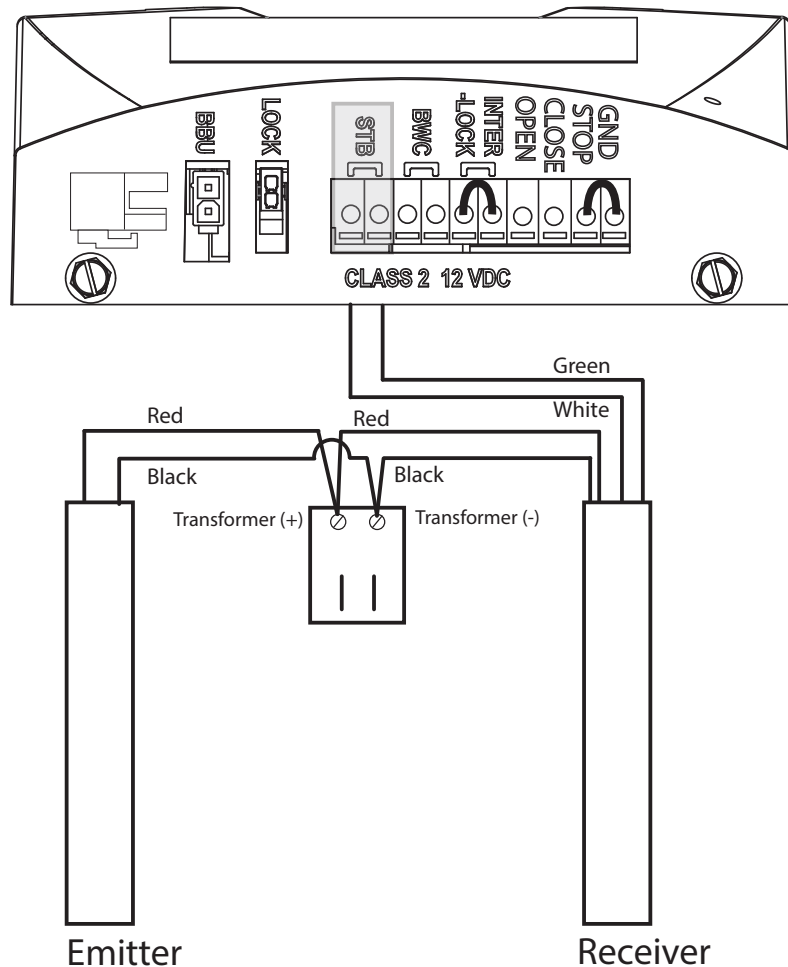
### **! WARNING**

Actuating the operator by using constant contact on the CLOSE button will override non-functioning external reversing devices, including sensing edges.

### **! AVERTISSEMENT**

L'activation de l'opérateur en utilisant un contact constant sur le bouton FERMER annulera les dispositifs d'inversions externes, y compris les systèmes de détection des bords.

1. Mount light curtain per instructions provided with kit.
2. Install white & green wires to STB terminals in operator.
3. Install red & black wires to transformer P/N 36328A.5



# WIRE THE OPERATOR

## Monitored Edges, Hardwired - (Optional)

### ⚠ WARNING

Actuating the operator by using constant contact on the CLOSE button will override non-functioning external reversing devices, including sensing edges.

### ⚠ AVERTISSEMENT

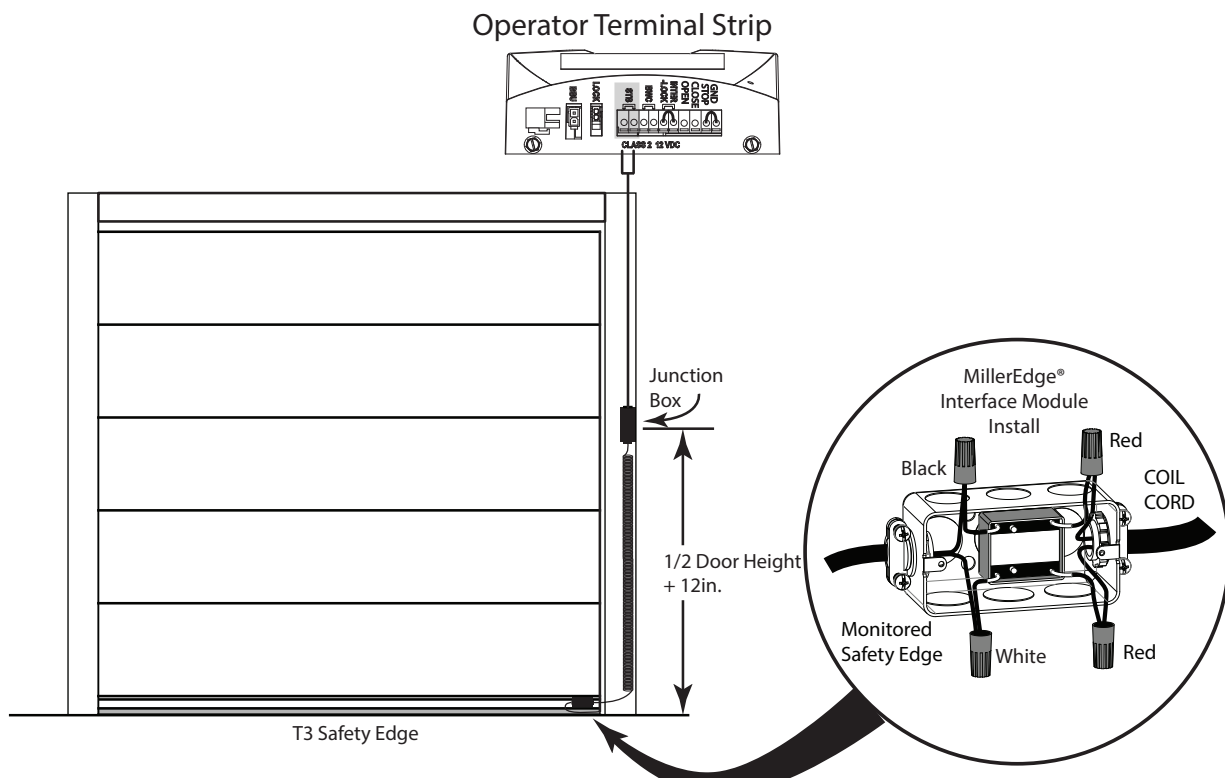
L'activation de l'opérateur en utilisant un contact constant sur le bouton FERMER annulera les dispositifs d'inversions externes, y compris les systèmes de détection des bords.

## MillerEdge® "DC" Series & ASO Monitored Sensing Edge Installation with Interface Module

*Right-hand installation shown, left-hand installation mirrored*

1. Mount junction box to wall one half the door height plus 12" from floor.
2. Install hard-wiring from operator and coil cord to junction box and secure with conduit clamps.
3. Connect hard-wiring from operator to coil cord with wire nuts and install junction box cover plate. These are not polarity sensitive.
4. Install wires to STB terminals in operator.
5. Attach coil cord to monitored edge interface module in junction box as shown and secure with conduit clamps.
6. Install wires from monitored edge to interface module as shown below.
7. Install cover plate.
8. Install wires to STB terminals in operator.

**NOTE:** *DO NOT use take up reels with monitored edge systems*





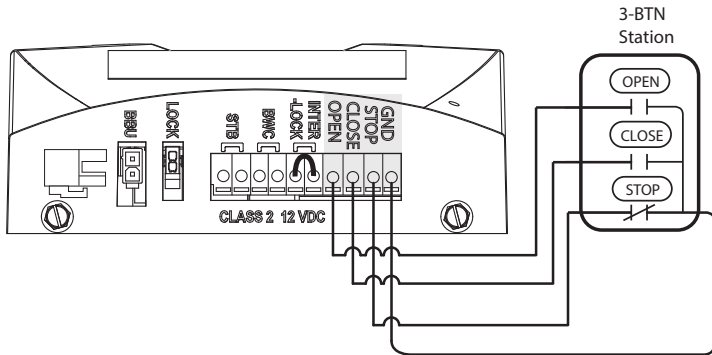
# WIRE THE OPERATOR

## Wiring Control Stations

1. For a single open/close/stop installation, make connections as shown in Fig. 1.
2. For single button accessory controls, make connections as shown in Fig. 2.
3. For a multiple open/close/stop installations, make connections as shown in Fig. 3.
4. Install WARNING placard next to control station. Fig. 4

**NOTE:** Do not remove jumper between STOP and GND terminals unless using an OPEN/CLOSE/STOP pushbutton.

**NOTE:** Jumper between STOP and GND terminals must be removed

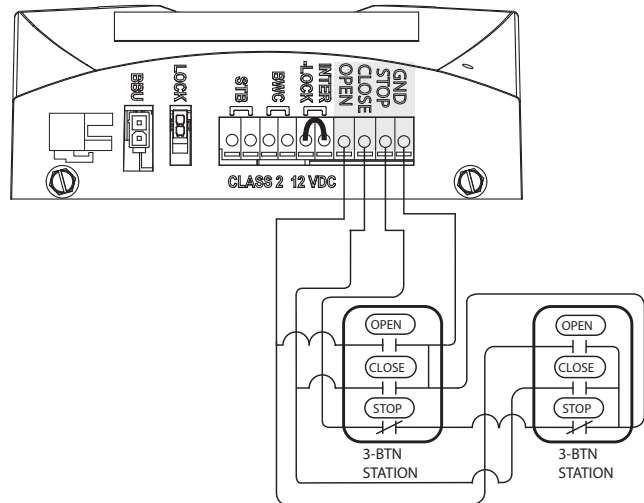


**Fig. 1**

### Light Fixture Control & Stop Button Functionality:

- Pressing stop during operation will halt the door immediately.
- Pressing stop while the door is at the up limit or mid-stop with time-to-close (TTC) turned on disables TTC until the door reaches either of these limits again.
- If an optional light fixture is paired, pressing stop with the door idle allows for the light to be toggled on and off.
- Pressing stop to toggle the light overrides the default 4 minute auto-shutoff light timer, allowing for the light to remain on indefinitely or until the next door movement.

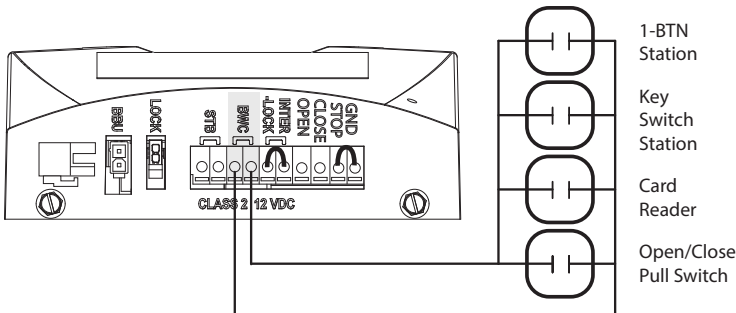
**NOTE:** Jumper between STOP and GND terminals must be removed



**Fig. 3**

### Momentary Contact Switches

**NOTE:** Jumper between STOP and GND terminals must **NOT** be removed unless STOP button is installed



**Fig. 2**



Entrapment Warning Placard

**Fig. 4**

# WIRE THE OPERATOR

## Install Door Lock - (Optional)

Door lock prevents manual door operation and is important for garage security.

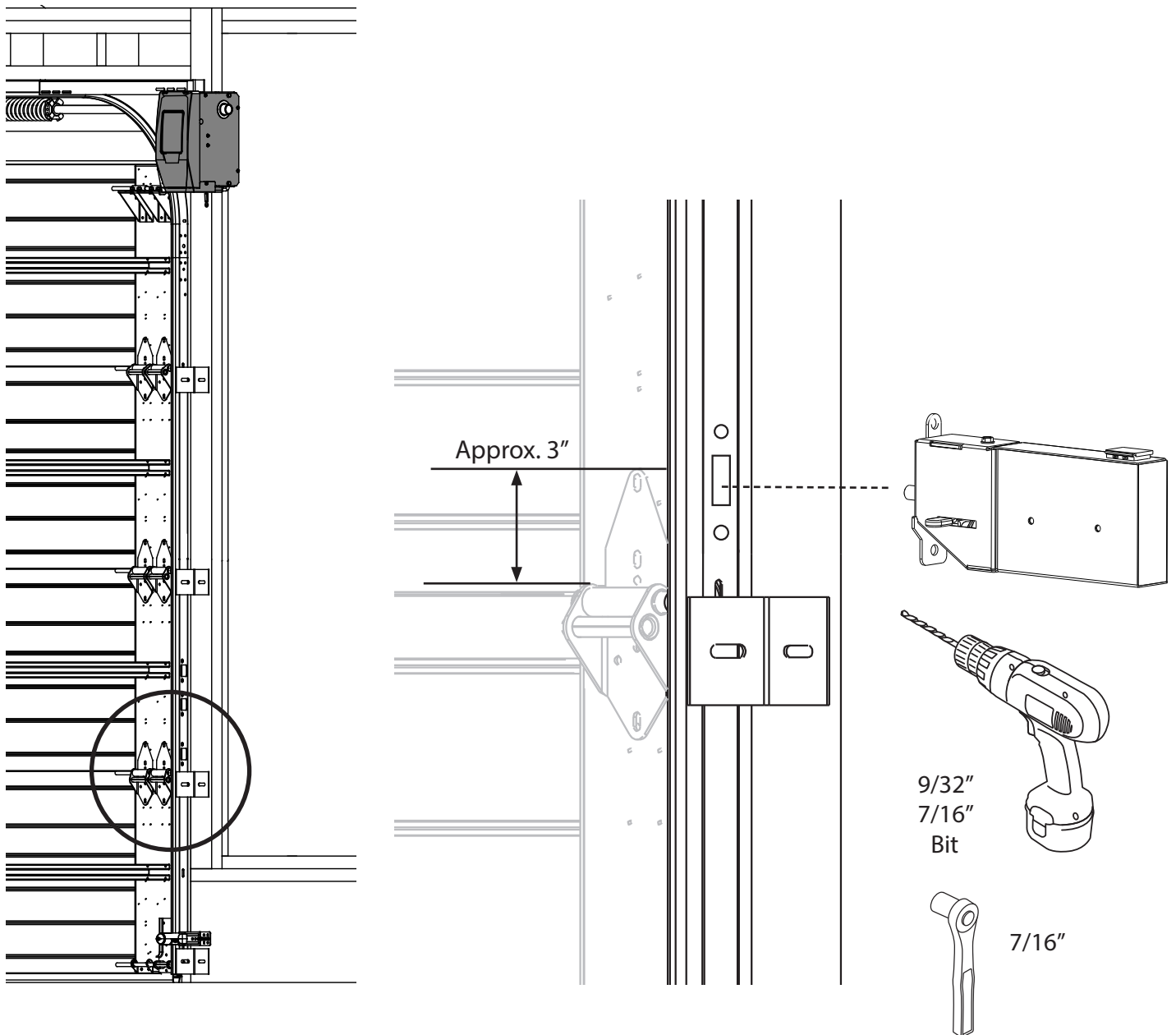
*NOTE: Door lock should be installed no more than 10' away on the operator side of the door if possible.*

1. Mount door lock onto door track above a roller on the second or third door panel from the floor.

If mounting position does not line up with pre-punched door lock bar cutouts as shown below:

- Remove template from the back page of the owners manual.
- Apply door lock drilling template to the door track where the center 7/16" hole is approximately 3 inches above the door roller on the 2nd or 3rd door panel.
- Drill two 9/32" holes for mounting and one 7/16" hole if using template. De-burr holes if required.

2. Position door lock and install two 1/4" X 9/16" track bolts and nuts. Install track bolt on inside of door track facing outward.



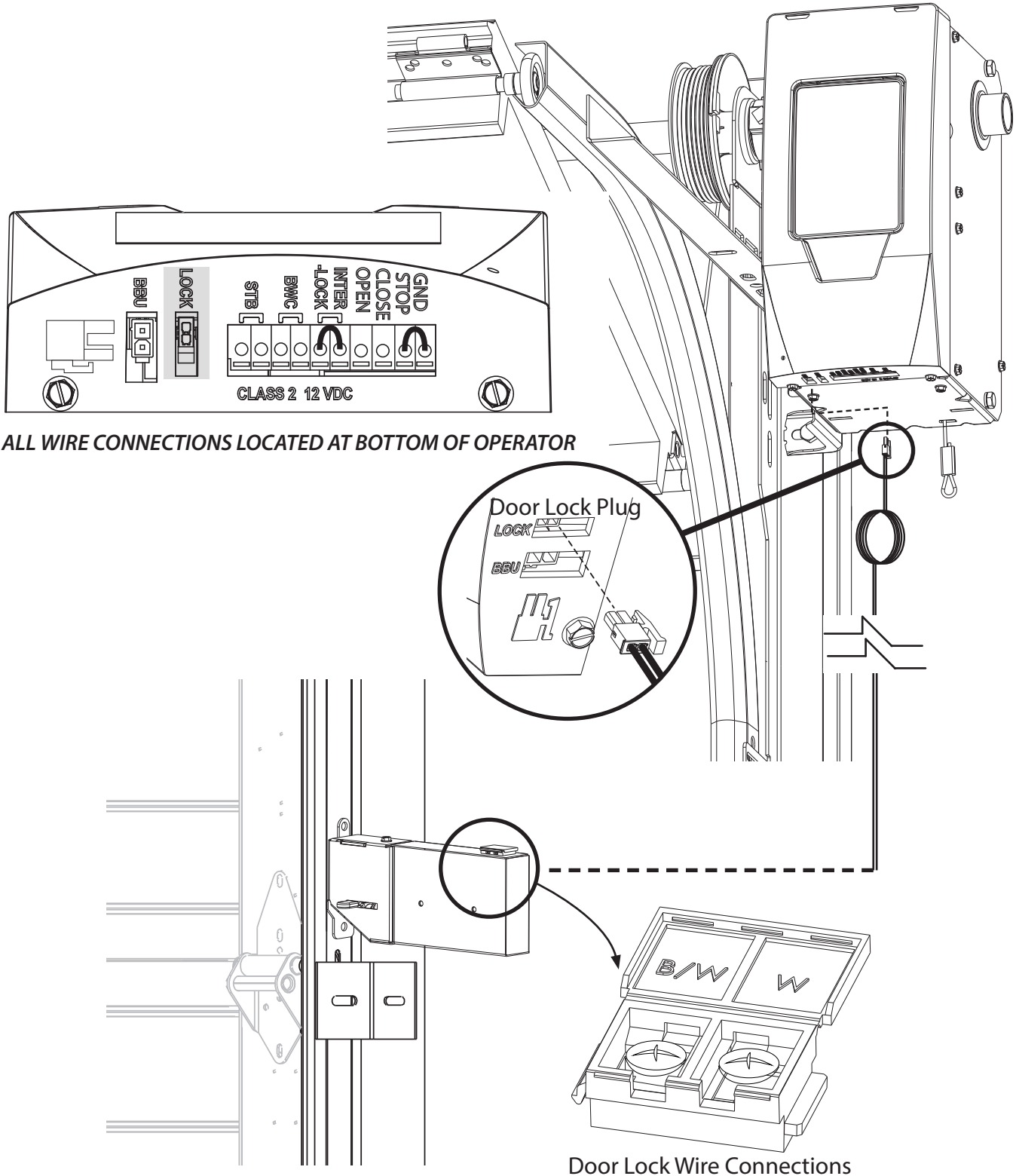
# WIRE THE OPERATOR

## Wire Door Lock - (Optional)

1. Plug door lock harness into the LOCK plug on bottom of operator. Insert plug in correct direction (see inset)
2. Run wire down the wall to the door lock and secure with supplied wire staples.

**NOTE:** Door lock wires are polarity sensitive.

3. Cut off excess wire, strip 1/4" of insulation and attach to bottom connectors on door lock.
4. Install WHITE wire to W terminal and STRIPED wire to B/W terminal.



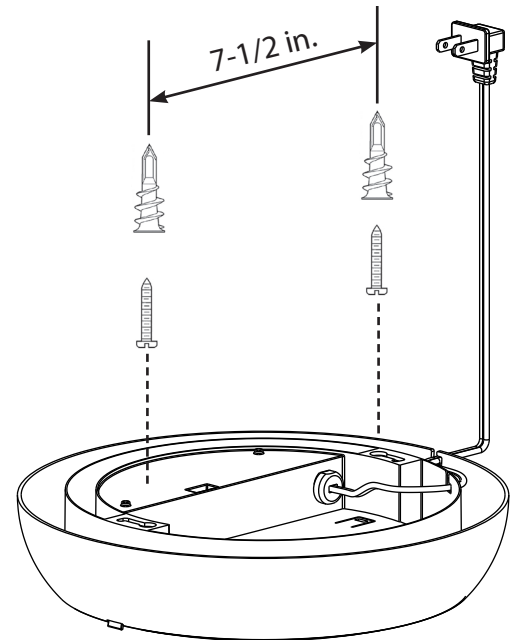
# FINISHING THE INSTALLATION

## Install Bluetooth® Light Fixture - (Optional)

1. Determine mounting location within 30' of operator.
2. Pre-drill two 3/32" holes for mounting screws, or two 3/16" if using drywall anchors (supplied) if needed. 7-1/2" apart.
3. Install supplied screws leaving an 1/8" gap for mounting.
4. Route power cord through cutouts in flange and plug light into a standard 115 VAC outlet. Secure excess wire under light housing.
5. Align light fixture mounting holes with screws and turn light assembly to lock into place.

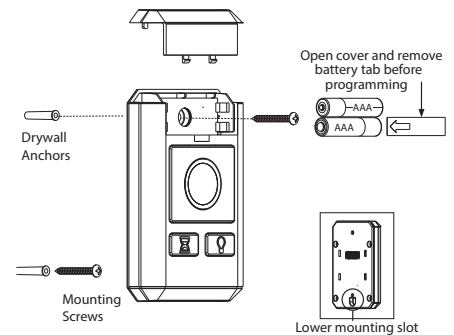
**Light will automatically pair when operator and light fixture are powered up.**

1. Light fixture will short flash and beep when powered up.
2. Light fixture will long flash when it pairs with operator.
3. Light fixture is now paired to operator and will operate as normal.



## Install Wireless Wall Console - (Optional)

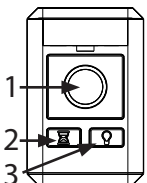
1. Determine mounting location for wireless wall console.
2. Mount console no less than 5' above floor to prevent small children from activating operator.
3. Pre-drill 3/32" holes for mounting screws, or 3/16" if using drywall anchors (supplied) if needed.
4. Install bottom screw leaving a 1/8" gap.
5. Slide console onto screw and down slightly to lock in place.
6. Remove upper battery door and remove protective tab and batteries.
7. Install top screw to secure console to the wall.
8. Install batteries and battery door.
9. Install warning decal in the same area as wireless wall console.



## Program Wireless Wall Console

1. Remove the battery's protective film from the remote by pulling straight down.
2. Press and hold the SET/PRGM button on the operator for 2-5 seconds.
  - The round LED will turn blue. Release button.
  - The long LED will then flash purple.
3. Stand at least 5 feet away from operator and slowly press and release the DOOR button on the console two times.
4. Both operator LEDs will flash and turn off indicating the console has been programmed.
5. Press the console DOOR button again.
6. The operator should run.

## Wall Console Operation



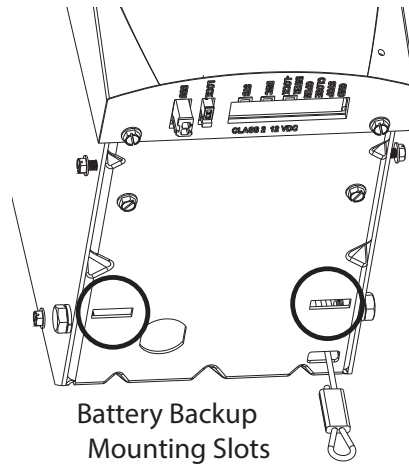
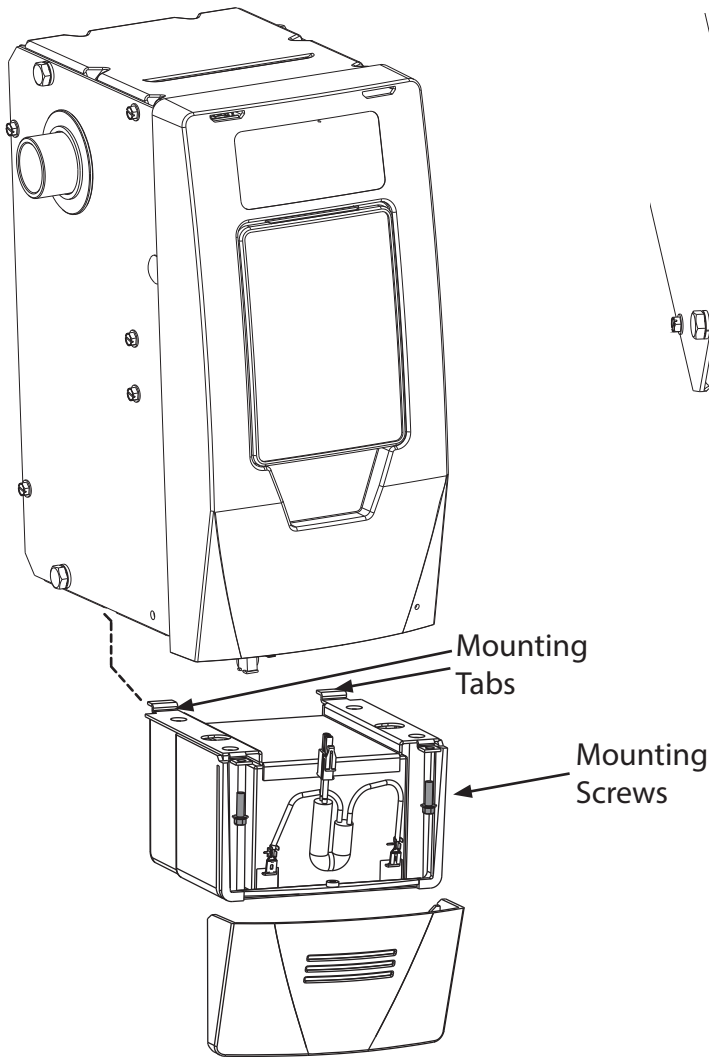
1. DOOR Button - Runs garage door operator.
2. DELAY Button - Adds a 10+ second delay for door operation. Press the delay button and door will automatically operate after set delay. Can be activated up to 3 times for a 10, 20 or 30 second delay.
3. LIGHT Button - Overrides the automatic timed light function of the garage door operator.



# FINISHING THE INSTALLATION

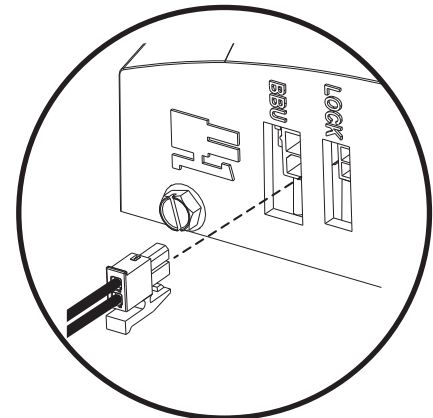
## Install Battery Backup (BBU) - (Optional)

1. Unplug power from operator.
2. Remove two screws securing bottom cover to operator head and remove cover.
3. Hold battery backup assembly at a 45 deg. angle near operator and route wires to back of operator between battery mounting tabs.
4. Insert rear tabs into slots on bottom of operator.
5. Plug connector of battery backup into the BBU connection on bottom of operator. Ensure connector is inserted in correct direction (SEE INSET).
6. Align battery backup to bottom of operator and secure with two screws removed in step 2.

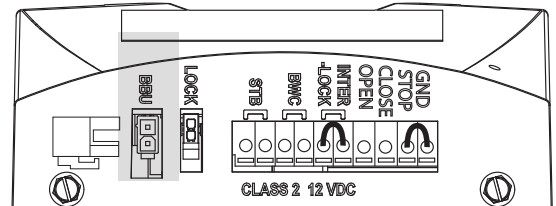


**CAUTION** TO PREVENT POSSIBLE SERIOUS INJURY or DEATH from electrocution AND REDUCE RISK of FIRE  
 — Disconnect ALL electric power sources and battery power BEFORE performing ANY service or maintenance.  
 Install only in DRY locations - NOT INTENDED FOR OUTDOOR USE.  
 Use only 12V, 5AH, SLA replacement battery (P/N 111658.0002.S).

**ATTENTION** POUR ÉVITER LES BLESSURES GRAVES VOIRE MORTELLE PAR ÉLECTROCUTION POUR RÉDUIRE ES LES RISQUES D'INCENDIE  
 — Débrancher toutes les sources d'alimentation électriques et la pile avant d'effectuer des opérations de réparation ou d'entretien.  
 Installer uniquement dans des endroits secs—NE DOIT PAS ÊTRE UTILISÉ À L'EXTÉRIEUR.  
 Utiliser uniquement une pile de remplacement de 12V,5AH,SLA (réf.111658.0002.S).



AC power must be present to set limits. DO NOT attempt to set limits or any other programming steps from battery power only.



### Testing the Battery Backup

**NOTE:** It is recommended that the battery backup be allowed to charge for 24 to 48 hours prior to testing. Initially, the operator may not operate from the battery backup mode if battery is not fully charged.

1. Run the operator using the wall control or remote to ensure it is working properly.
2. Turn off power to operator by unplugging from outlet or turning off breaker.
3. Press wall control or remote control. Operator will run at a slower speed than normal.

**NOTE:** See troubleshooting guide in this manual if any of the steps above fail.

4. After successful test, reconnect powerhead to power source.

## FINISHING THE INSTALLATION

### Apply power to operator

#### CAUTION

**DO NOT** run operator until travel limits have been set to avoid damage to unit.

#### CAUTION

NE PAS faire fonctionner l'ouvre-porte au-delà des limites de parcours pour ne pas endommager l'unité.

#### WARNING

Operator is equipped with grounded electrical plug for your protection, and only fits grounded electrical outlets. **DO NOT** alter plug in any way! If you have no grounded outlets, have one installed by a licensed electrician. Operator must be properly grounded to prevent personal injury and equipment damage. **NEVER USE AN EXTENSION CORD!** Check local building codes for any requirement that you must have a permanent hard-wired connection.

#### AVERTISSEMENT

L'opérateur, qui est équipé d'une prise électrique mise à la terre pour votre protection est compatible uniquement avec des prises électriques mises à la terre. NE PAS modifier la fiche d'une quelconque manière. Si vous n'avez pas de prises mises à la terre, faites-en installer par un électricien agréé. L'opérateur doit être correctement mis à la terre pour éviter les blessures corporelles et des dommages matériels. **NE JAMAIS UTILISER DE RALLONGE!** Vérifiez les codes locaux des bâtiments pour connexions câblées permanente. Les connexions câblées permanentes doivent être effectuées par un électricien agréé qui se servira d'outils appropriés et respectera les consignes.

#### FOR GROUNDED OUTLET CONNECTION:

Plug in the power cord to standard 115 VAC grounded outlet. Coil excess cord and tape or twist tie it to top of powerhead. **DO NOT USE EXTENSION CORDS TO POWER THIS OPERATOR.** Extended power input kits are available if a grounded outlet is not available within 5' of operator..

## 4 PROGRAMMING OPERATOR & ACCESSORIES

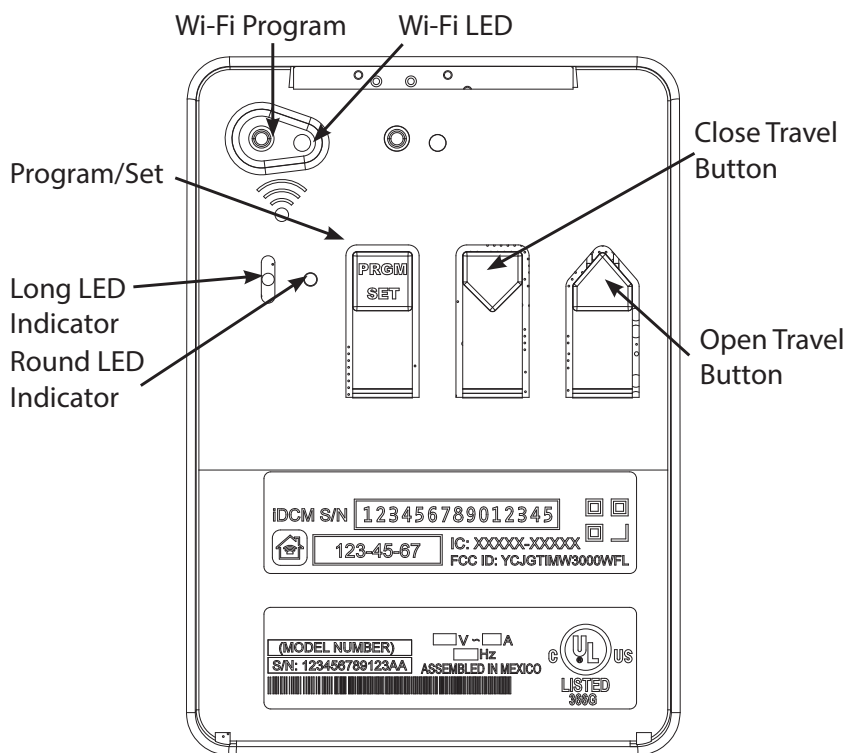
**NOTE:** Before programming the operator, check to make sure there are no objects in the garage door opening. DO NOT allow persons to enter the area of the door while programming and operating.

The following steps list the order of programming the operator's functional settings as well as installation of any accessories that were included with the operator or purchased separately. These steps should be performed in order.

1. Adjust operator speed for drum sizes
2. Down travel limit
3. Up travel limit
4. Force control
5. Contact reverse test and adjustment
6. Remote control programming
7. Light fixture programming (if applicable)
8. Wireless wall console programming (if applicable)
9. Program wireless keypad (if applicable)
10. Program built in vehicle remote (if applicable)
11. Program the integrated Wi-Fi Genie Aladdin Connect® (if applicable)

**NOTE:** When operator is activated to close, operator will start and stop slowly in small increments making a pulsing sound to detect cable tension then run at normal speed to close. This is normal operation and is called Safe-T-Pulse™.

### Programming Button Layout



**NOTE:** Each programming step has a **30** second time limit for completion after the function is initiated. After 30 seconds, both LEDs will illuminate BLUE indicating time has expired and the step must be restarted. Restart the step as many times as necessary to complete the programming.

Remote controls, wireless keypads, wireless wall controls and bluetooth control programming will reset after **60** seconds.

# ADJUSTING FOR DRUM SELECTION

## ⚠ WARNING

Operator drum selection settings must be adjusted for use on Standard or High Lift residential doors with drum diameters greater than 4". Drum selection settings must also be adjusted for use on residential Vertical Lift doors.

## ⚠ AVERTISSEMENT

Les réglages de sélection du tambour par l'opérateur doivent être ajustés pour une utilisation sur des portes résidentielles à levage régulier ou élevé avec des diamètres de tambour supérieurs à 4 pouces (10,16 cm). Les réglages de sélection du tambour doivent également être ajustés pour une utilisation sur des portes résidentielles à levage vertical.

### Drum Selection Settings:

Drum selection settings are pre-programmed at the factory for 4" standard lift type drums. Drum selection must be made on doors with standard or high lift drums with a diameter greater than 4", and also on vertical lift doors. There are two drum settings available for sectional doors. Please note that door speed may be affected by door weight, drum type, and balance, along with condition of door components and tracks. Proper selection of the drum type is important for proper operation of the operator.

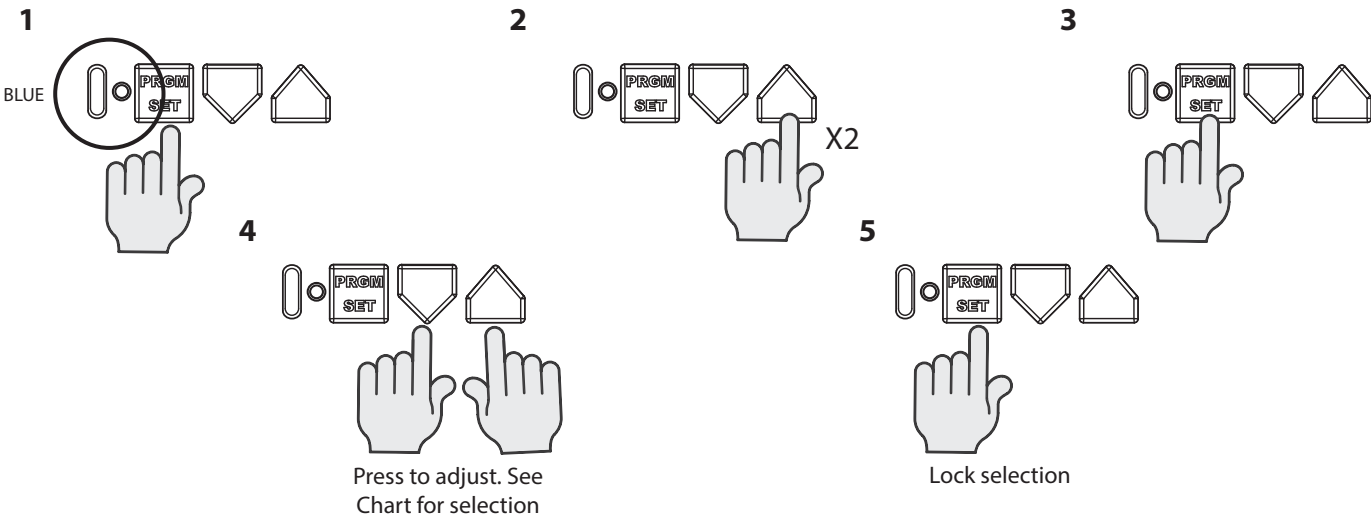
### To Change Operator Drum Selection:

1. Press and hold the SET/PRGM button on the operator until both LEDs turn blue then release.
2. Press the UP button twice.
3. Press PRGM button once.
4. The current setting will now be displayed. (see chart).
5. Press either UP or DOWN buttons to adjust setting (see chart)
6. Press PGRM button once to lock in the selection. LEDs turn blue then off.
7. Operator is now ready to set limits.

## ⚠ IMPORTANT NOTICE ⚠

**IF DRUM SELECTION SETTING IS ALTERED, ALL STEPS ON PAGE 28 MUST BE PERFORMED TO SET THE FORCE PROFILE FOR PROPER DOOR OPERATION.**

DRUM SELECTION CHART		
DRUM TYPE	Long LED	Round LED
Standard 4 inch or less diameter drum	RED	RED
Standard or High Lift greater than 4 inch diameter or Vertical Lift	PURPLE	PURPLE

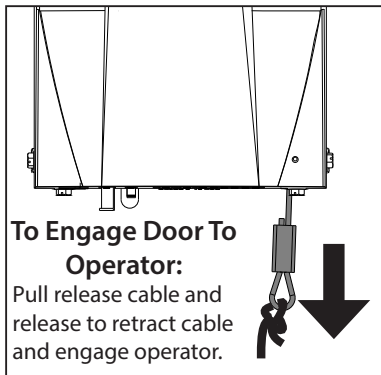


# PROGRAMMING THE DOWN LIMIT

## ⚠ WARNING

- Make sure doorway is in full view and clear of obstacles and people to avoid injury or property damage.
- DO NOT operate this unit from the wall control before LIMITS are set. Severe damage to the operator could occur.
- DO NOT set limits with Battery Backup attached. AC power MUST be connected to the operator while setting limits for proper operation.

**⚠ NOTE:** Door MUST be engaged to the operator prior to programming. Door should rest somewhere between full open and closed. **DO NOT START WITH DOOR FULLY OPEN OR CLOSED.**



### Programming DOWN Limit:

1. Press and hold the DOWN arrow button on the operator for 2-5 seconds.
  - The long LED will turn blue. Release button.
  - The long LED will then flash blue.
2. Press and hold the DOWN arrow button until door is fully closed.

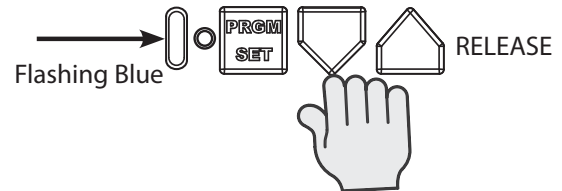
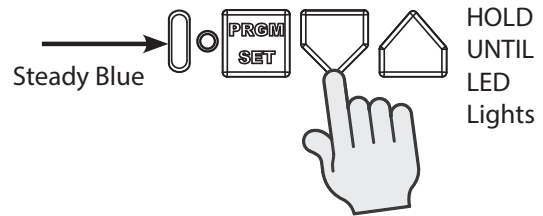
**NOTE:** Door should rest on the floor until the weather strip is compressed enough to seal along the width of the door. Damaged doors or uneven floors may not seal properly. Repair these conditions to achieve a proper seal. DO NOT compress seal so much that the door will bend or buckle.

3. Use both UP and DOWN buttons to adjust close travel as necessary until door is at the desired down limit position.
4. Press and release the SET/PRGM button
5. Both LEDs will flash blue then go out.
6. The down limit is now programmed.

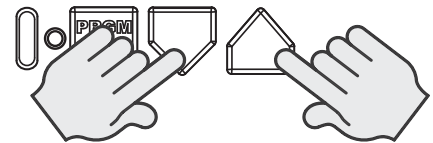
## ⚠ AVERTISSEMENT

- S'assurer que le passage de la porte est visible et dégagé, à savoir sans obstacles ni personne afin d'éviter toute blessure potentielle ou dommage matériel.
- NE PAS utiliser cette unité avec la console murale avant d'avoir réglé les LIMITES. L'ouvre-porte pourrait subir de sérieux dommages.
- NE PAS fixer de limites en mode batterie de secours. L'alimentation CA DOIT être branchée sur l'ouvre-porte, pendant le réglage des limites, pour assurer un bon fonctionnement.

### 1-2. Enter Programming Mode



### 3. Adjust Door Position



## ⚠ IMPORTANT NOTICE ⚠

**IF LIMIT SETTING IS ALTERED, ALL STEPS ON PAGE 28 MUST BE PERFORMED TO SET THE FORCE PROFILE FOR PROPER DOOR OPERATION.**



# PROGRAMMING FORCE PROFILE & CONTACT REVERSE

## ⚠ IMPORTANT NOTICE ⚠

**THIS STEP MUST BE PERFORMED FOR PROPER OPERATION!**

- Operate operator 2 full cycles up and down to set new operator profile.

## ⚠ WARNING

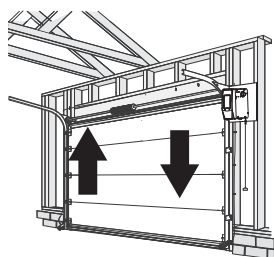
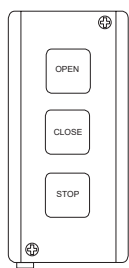
- **TO AVOID INJURY OR DAMAGE**
- **NEVER** adjust the force settings to adjust for damage, including an unbalanced door, binding door track or broken spring.
- Perform a CONTACT REVERSE TEST monthly.

## ⚠ AVERTISSEMENT

- Pour éviter les blessures ou des dommages
- **NE JAMAIS** régler la force pour compenser des dommages, y compris une porte mal équilibrée, un rail de porte coinçant ou des ressorts cassés.
- Tous les mois, EFFECTUEZ LE TEST D'INVERSION AU CONTACT.

### SETTING FORCE PROFILE

1. Press and release the wall control button and allow the garage door to travel and stop at the DOWN limit.
2. Press and release the wall control button and allow the garage door to travel and stop at the UP limit.
3. Repeat steps 1 and 2 to complete this setting.



### Force Control Adjustments

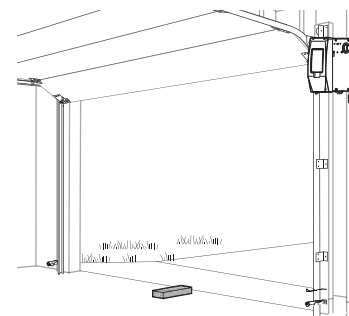
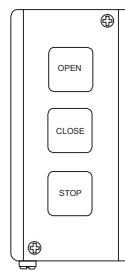
Force settings are programmed from the factory to remain within safe parameters. These should not require adjustments. However, certain circumstances may require adjustment.

Refer to page 32 to adjust the force settings.

### Contact Reverse Test

**NOTE:** The limit and force settings **MUST BE COMPLETED** before performing the Contact Reverse Test.

1. With the garage door open, lay a 2" X 4" board flat on the floor at the center of the door opening.
2. Close the garage door using the wall control.



- When the door contacts the board, it should stop and reverse direction within 2 seconds to the full open position.
- The long LED light on the powerhead will begin to flash red with the reversal of the door.
- Remove the 2" x 4" board and operate the operator with the wall control again. This cycle will clear the flashing red LEDs.

### Contact Reverse Adjustment

If the door stops before contacting the board or if it does not reverse direction to fully open after contact with the board, it may be due to an improperly set DOWN limit. Verify settings by:

1. Repeat "Programming the Down Limit" section to make certain the door is closing tight against the floor.
2. Repeat the "Force Control" section on the left to set force limits.
3. Repeat the "Contact Reverse Test" above.
4. Repeat this process as needed until the door passes the contact reverse test.

Refer to page 32 to adjust the force settings.

# PROGRAMMING REMOTE CONTROLS

**NOTE:** The following instructions are for remote control transmitters purchased separately or if remote(s) require re-programming.

**NOTE:** Each programming step has a 60 second time limit for completion after the function is initiated. After 60 seconds, two LEDs will illuminate blue indicating time has expired and the step must be re-started. Restart the step as many times as necessary to complete the programming.

1. Remove the battery's protective film from the remote by pulling straight out if tab is present.
2. Press and hold the SET/PRGM button on the operator for 2-5 seconds.
  - The round LED will turn blue. Release button.
  - The long LED will then flash purple.
3. Stand at least 5 feet away from operator and slowly press and release the desired button on the remote two times.
4. Both operator LEDs will flash and turn off indicating the remote has been programmed.
5. Press the desired remote button again.
6. The operator should run.

To program the same remote for other garage door operators, repeat the steps above using one of the other remaining remote buttons.

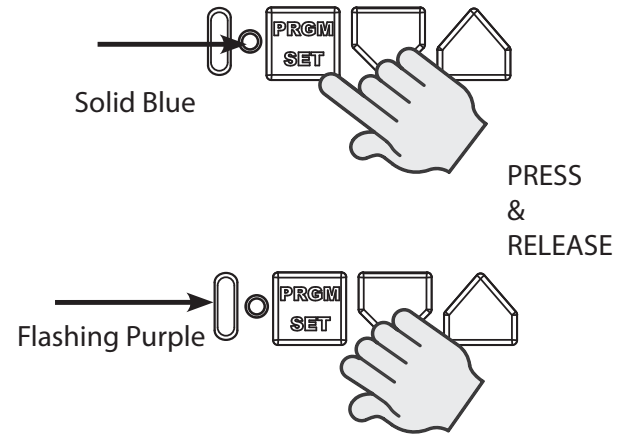
## REPEAT STEPS 1 TO 4 FOR EACH OPERATOR AND REMOTE

**NOTE:** It is possible to press the remote button too quickly or lightly. If the LEDs do not go off, press the remote button several more times to achieve confirmation.

## BASIC PROGRAMMING IS COMPLETE AND YOUR GARAGE DOOR OPERATOR IS READY TO USE.

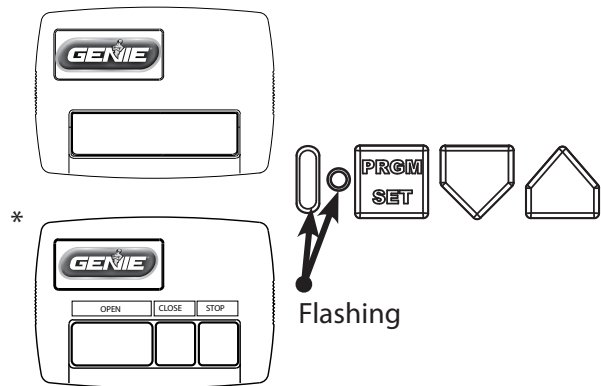
See page 33 of this manual to erase remote devices from memory.

### 1. Enter Programming Mode



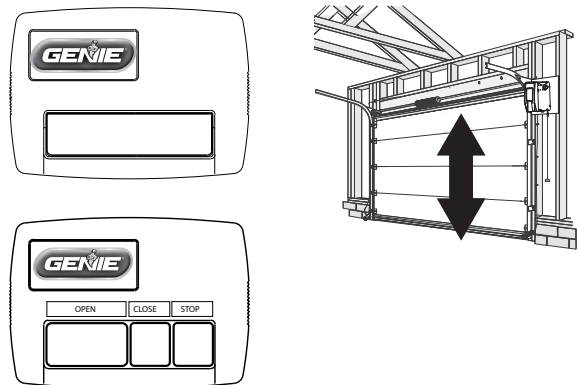
### 2. Press Remote Button Twice

1-2-3 or 4 Button Transmitters



\* Pressing any button on the O/C/S transmitter will program operator for Open/Close/Stop Operation

### 3. Test Remote

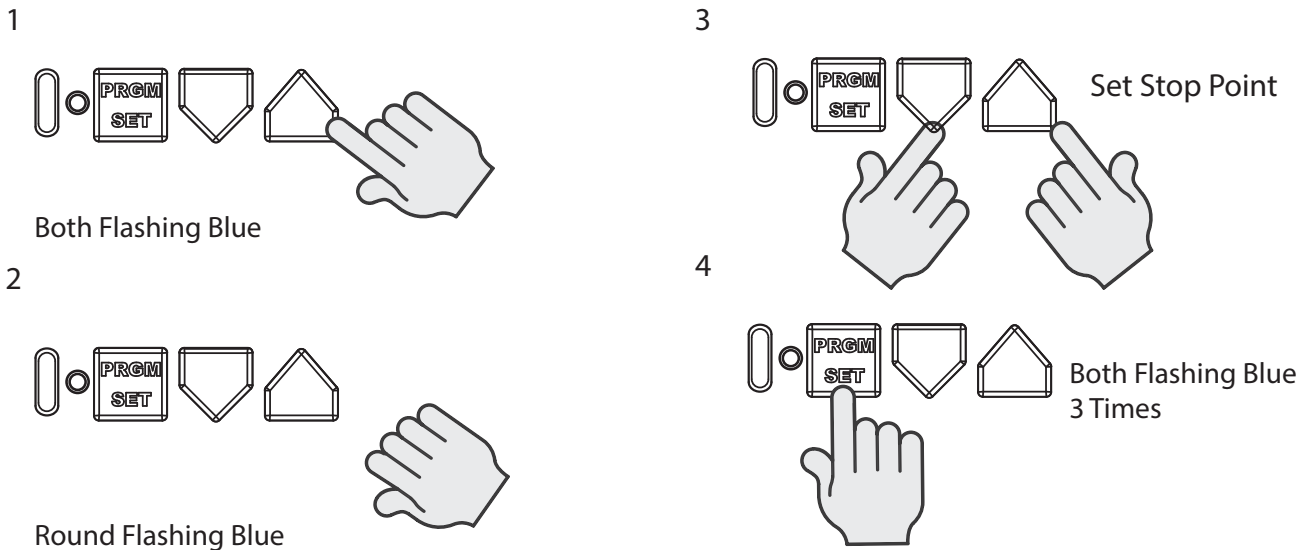


## PROGRAMMING MID-STOP (Optional)

**NOTE:** The mid-stop can be set to allow the door to come to a stop somewhere between the open and close limits. This must be set after the open and close limits have been set and a force profile has been generated.

1. Starting from either limit, press and hold the UP arrow button until the long LED and round LED start to alternate flashing blue, then release. The operator will display a flashing blue round LED.
2. Using the UP and/or DOWN arrow buttons, move the door to a position that is at least 2 full turns of the output shaft below the open limit and 1/2 turn of the output shaft above the close limit.
3. Once the door is in the preferred mid-stop location, press the SET/PRGM button. The operator will flash blue on both LEDs three times, saving the mid-stop location. If the LED does not flash blue three times, the mid-stop was not properly set and saved. The mid-stop will need to be reprogrammed.

**NOTE:** The mid-stop will now be the first position the door will stop when trying to open the door. If the door needs to be raised to the open limit, press OPEN on any open/close/stop control station or remote to move the door to the open limit. (It is not possible to reach the open limit with a mid-stop and a 1-button control.)



## PROGRAMMING LIMIT OVERRUN (Optional)

When using a monitored safety edge, enabling the limit overrun feature may reduce service calls caused by small objects like rocks from reversing the door when it reached the down limit. This feature should not be enabled when using monitored photocells or light curtains. The default limit overrun setting is DISABLED.

### NOTE:

- In the 4" drum mode: The STB will be ignored approx. 2" above the close limit.
  - In the >4" drum mode: The STB will be ignored approx. 2" above the close limit for a 5.25" drum.
  - In the >4" drum mode: The STB will be ignored approx. 4" above the close limit for an 11" drum.
1. Press and hold the DOWN arrow button on the operator for 7 sec.
    - While waiting the 7 sec., the long LED will turn blue. Continue to hold until 7 sec has lapsed.
    - The long & round LEDs will alternate flash green.
  2. Release the DOWN arrow button. The status of the limit overrun will be displayed.
    - The long red LED indicates that the limit overrun is disabled (off).
    - The long green LED indicates that the limit overrun is enabled (on).
  3. Press the DOWN arrow button on the operator to disable limit overrun (off).
    - The long LED will turn red.
  4. Press the UP arrow button on the operator to enable limit overrun (on).
    - The long LED will turn green.
  5. Press and release the SET/PRGM button.
    - Both LEDs will flash blue then go out.

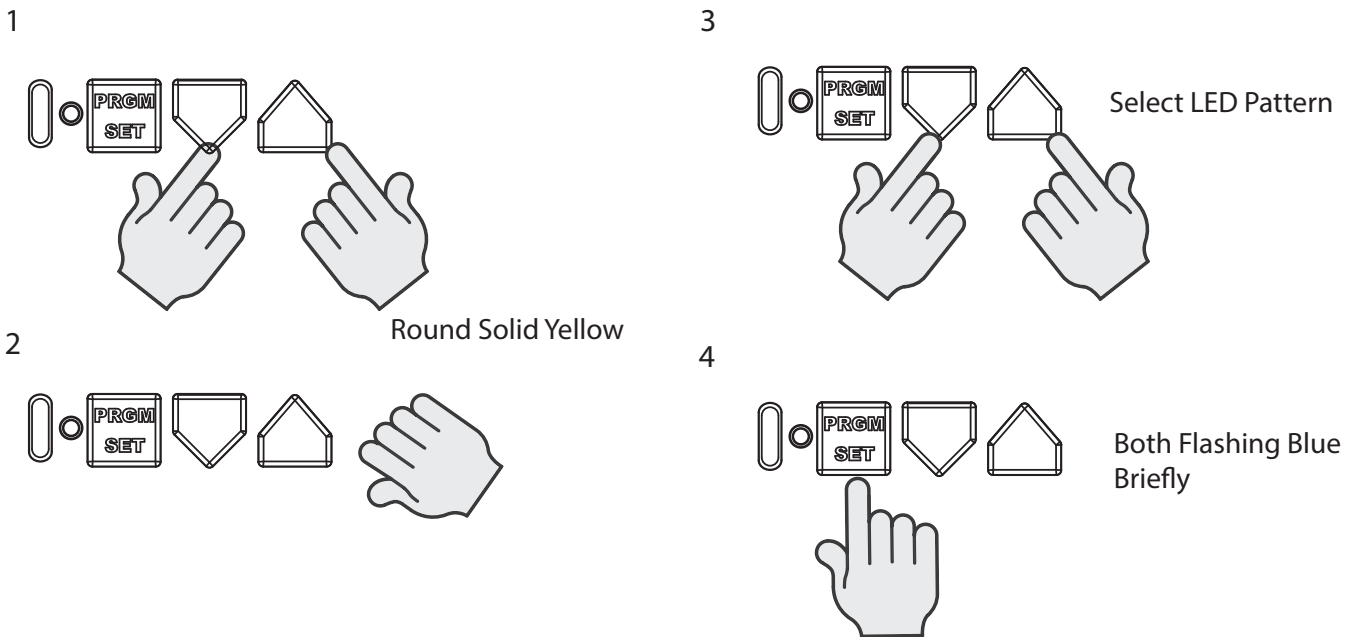
# PROGRAMMING TIME-TO-CLOSE (Optional)

**NOTE:** Time-to-close (TTC) is used to close the door after it has been raised to either the mid-stop or the open limit after a specific amount of time.

**NOTE:** A monitored safety device must be connected to the operator STB input and functioning for the time-to-close feature to activate door closure.

1. Press and hold both UP and DOWN arrow buttons until the round LED is yellow then release.
2. Using the UP and DOWN arrow buttons and the chart below, select the corresponding LED pattern for the preferred TTC length. (see chart below).
3. Press and release the SET/PGRM button to confirm the TTC setting. The operator will briefly flash both LEDs as blue to show the TTC has been set before returning to normal operation.

**NOTE:** TTC will not work if the door operation was halted or reversed due to a door obstruction detection, force detection, or use of a stop button.



Time-To-Close Table		
TTC Time	Long LED	Round LED
OFF	RED	RED
15 s	OFF	BLUE
30 s	BLUE	OFF
1 min	BLUE	BLUE
1 min 30 s	OFF	PURPLE
2 min	PURPLE	OFF
3 min	PURPLE	PURPLE
4 min	OFF	RED
5 min	RED	OFF

## CHANGING FORCE SETTINGS

### ⚠ WARNING

#### TO AVOID INJURY OR DAMAGE

- **NEVER** adjust the force settings to adjust for damage, including an unbalanced door, binding door track or broken spring.
- Perform a CONTACT REVERSE TEST monthly.

### ⚠ AVERTISSEMENT

#### Pour éviter les blessures ou des dommages

- **NE JAMAIS** régler la force pour compenser des dommages, y compris une porte mal équilibrée, un rail de porte coincant ou des ressorts cassés.
- Tous les mois, EFFECTUEZ LE TEST D'INVERSION AU CONTACT.

### ⚠ CAUTION

**DO NOT** adjust force level above what is necessary to allow for normal door operation.

### ⚠ CAUTION

NE réglez **PAS** la force à un niveau supérieur à ce qui est nécessaire pour permettre un fonctionnement normal de porte.

### ⚠ IMPORTANT NOTICE ⚠

**IF FORCE SETTING IS ALTERED, ALL STEPS ON PAGE 28 MUST BE PERFORMED TO SET THE FORCE PROFILE FOR PROPER DOOR OPERATION.**

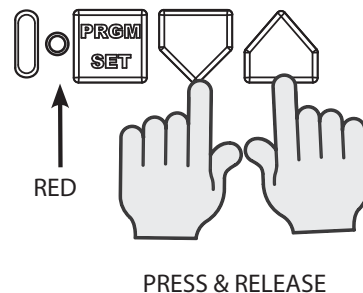
#### Force Settings:

Force settings are pre-programmed at the factory to force level 6 (See Chart Below) and applied during the Open/Closed Limit settings steps. For normal use, these settings should not need adjustment.

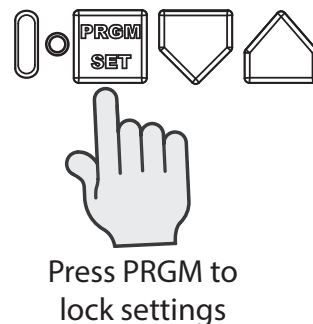
Conditions possibly requiring adjustments are:

- Doors with very stiff weather seals.
- Doors that start down, stop, and reverse before closing.
- Doors that start up, but stop before they completely open.

1. Press and hold both UP & DOWN arrow buttons until the round LED turns red. Release buttons.
  - LEDs will show current force level (see chart).
2. Press either the UP or DOWN arrow button until the desired up force setting is shown (see chart).
3. Press & release the PRGM button to lock the desired up force setting.
  - Both LEDs will turn blue then go out confirming that the up force setting has been changed and is locked.
  - LEDs will now show the current down force setting (see chart).
4. Press either the UP or DOWN arrow button until desired DOWN force setting is shown (see chart).
5. Press & release the PRGM button to lock the desired down force setting.
  - Both LEDs will turn blue then go out confirming that the down force setting has been changed and is locked.
6. Perform all steps on page 28 to test operator.



See Chart for Force level indicators.



**FORCE SETTING CHART**

Force Level	Long LED	Round LED
1 (LOWEST)	OFF	BLUE
2	BLUE	OFF
3	BLUE	BLUE
4	OFF	PURPLE
5	PURPLE	OFF
6	PURPLE	PURPLE
7	OFF	RED
8	RED	OFF
9 (HIGHEST)	RED	RED

# SPECIAL INSTALLATION INFORMATION

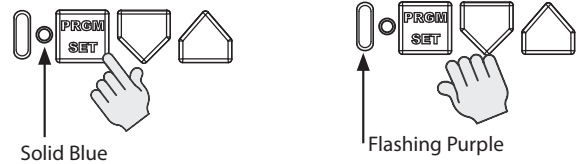
## Clearing Memory of Remote Controls

**NOTE:** Clearing memory of remotes from the powerhead will clear ALL programmed remotes, wireless keypads and vehicle transmitters. The operator will no longer recognize any signal from any remote device, including a missing remote device. This does not include the Aladdin Connect® or wireless wall console.

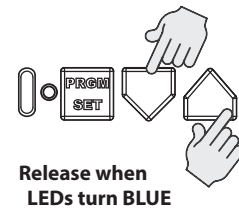
All remaining (or recovered) remotes, vehicles and wireless keypads MUST be reprogrammed.

1. Press and hold the SET/PRGM button on the operator for 2-5 seconds.
  - The round LED will turn blue. Release button.
  - The long LED will then flash purple.
2. Press and hold the UP & DOWN buttons 2-5 seconds until both LEDs turn blue then release.
3. Both LEDs will turn off indicating that all remotes have been erased.
4. Press any remote button.
5. The operator should NOT run.

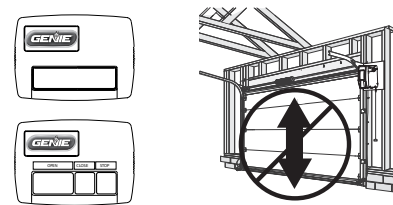
### 1. Enter Programming Mode



### 2. Press and Hold UP & DOWN Buttons 2-5 seconds



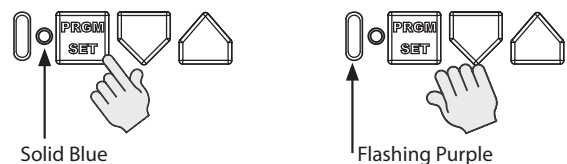
### 3. Test Remote



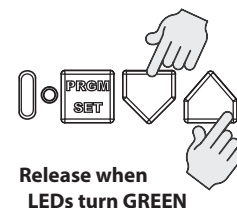
## Clearing Memory of Wireless Wall Console

1. Press and hold the SET/PRGM button on the operator for 2-5 seconds.
  - The round LED will turn blue. Release button.
  - The long LED will then flash purple.
2. Press and hold the UP & DOWN buttons 10+ seconds until both LEDs turn green then release.
3. Both LEDs will turn off indicating that all wireless wall consoles have been erased.
4. Press wall console button.
5. The operator should NOT run.

### 1. Enter Programming Mode



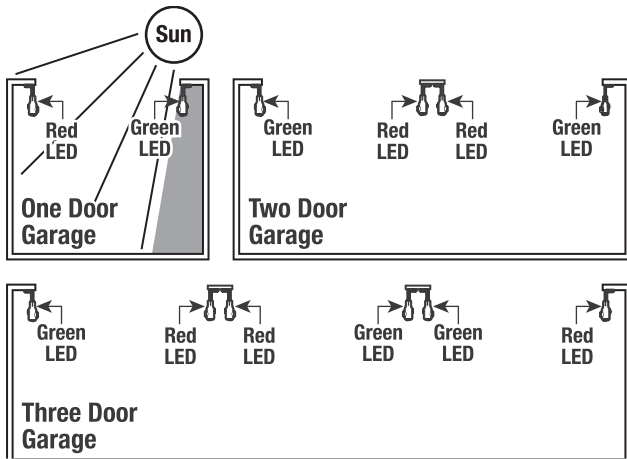
### 2. Press and Hold UP & DOWN Buttons 10+ seconds



### 3. Test Wireless Wall Console



## Installing Safe-T-Beams® on multiple garage doors (Preventing “cross-talk”)



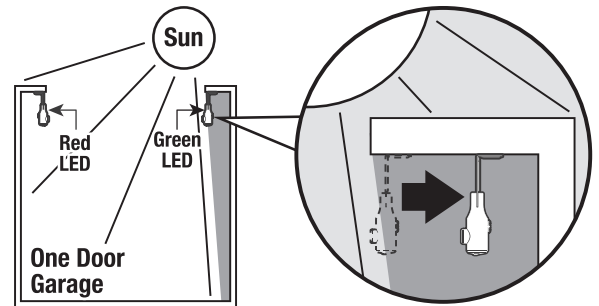
### Multiple Garage Doors

- NEVER position Safe-T-Beam® modules where signals will cross.
- Place the Transmitter (Red LED) Safe-T-Beams on adjacent doors facing in opposite directions.

**NOTE:** Direct sunlight creates interference with Safe-T-Beam® Receiver (Green LED). STB modules CAN be positioned further away from the door opening if necessary to avoid sunlight but no further off the wall to maintain alignment with the Transmitter (Red LED) module.

### Single Garage Door

- Determine which side of the garage receives direct sunlight.
- Position the Transmitter (Red LED) on the direct sunlight side.



**NOTE:** Only use Safe-T-Beams® that are approved for use with this operator.

## Safe-T-Beam® Self-Diagnostic Troubleshooting Chart

Source (RED LED)	Sensor (GREEN LED)	Possible Problem	Solution
ON	ON	Normal Operation	None Required
OFF	OFF	Operator not powered Wiring from operator bad	Check breakers, fuses, plugs Check wiring for shorts
OFF	ON	Wiring to source missing or bad Power has been interrupted	Check wiring Remove power and reapply
2 BLINKS	ON	Beam not aligned Beam obstructed Sensor defective	Check source, Sensor alignment Check for obstruction Contact Customer Support
2 BLINKS	OFF	Wire to sensor missing or bad Sensor defective	Check wiring Contact Customer Support
3 BLINKS	ON	Sensor receiving interference	Determine source of interference Contact Customer Support



# SETTING UP ALADDIN CONNECT® (Optional Kit)

*Perform these steps only after operator is fully installed, programmed and tested.*

## IMPORTANT SAFETY INSTRUCTIONS

### WARNING

TO REDUCE THE RISK OF SEVERE INJURY OR DEATH, READ AND FOLLOW ALL INSTRUCTIONS.

1. Never allow children to operate or play with door controls.
2. Install the entrapment WARNING placard next to the wall control in a prominent location.
3. NO PERSONS SHOULD CROSS THE PATH OF A MOVING DOOR.
4. NEVER GO UNDER A STOPPED/PARTIALLY OPEN DOOR.
5. The Aladdin Connect® operating system is designed for unattended operation. The door could move unexpectedly.

**SAVE THESE INSTRUCTIONS**

## CONSIGNES DE SÉCURITÉ IMPORTANTES

### AVERTISSEMENT

**POUR RÉDUIRE LE RISQUE DE BLESSURES GRAVES VOIRE MORTELLES, LIRE ET COMPRENDRE TOUTES LES INSTRUCTIONS.**

1. NE JAMAIS laisser les enfants utiliser ou jouer avec les commandes de l'ouvre-porte.
2. Placer l'étiquette d'AVERTISSEMENT en cas de coincage à proximité du bouton mural ou de la console murale de manière à ce qu'elle soit bien en évidence.
3. NE JAMAIS PASSER SOUS LA PORTE EN MOUVEMENT.
4. NE JAMAIS PASSER SOUS UNE PORTE À L'ARRÊT PARTIELLEMENT OUVERTE.
5. Le système d'exploitation Aladdin Connect™ a été conçu pour fonctionner sans surveillance. La porte peut se déplacer de façon inattendue.

**CONSERVER CES INSTRUCTIONS**

## Genie® Aladdin Connect® Accessory

The Aladdin Connect® system is a convenient mobile device app to operate garage door operators/controllers from anywhere.

The Aladdin Connect® app has the following features:

- Customize access for different users.
- Customize notifications to receive alerts when the garage door is operated, by a specific user, at a specific time or day.
- Review history of operator usage showing dates and times when the operator was operated and by what user.
- Create custom rules to notify you or close the door at specific times or if you door is open for a specific duration.
- Connect your operator to operate with smart home platforms.

### 1 Check Wi-Fi Signal

Before beginning the set-up process please verify the ability to receive a strong Wi-Fi signal in the garage. Connect smartphone to the home Wi-Fi and walk into the garage. Place phone where garage door operator will be mounted. The Wi-Fi signal strength at that location must be at least two bars.

If home Wi-Fi signal does not adequately cover the garage, try the following steps to help improve the signal strength.

- Make sure that the Wi-Fi router is out in the open, not behind a large electronics or in a cabinet.
- Moving the Wi-Fi router closer to the garage.
- Purchase a Wi-Fi extender, available at most electronics stores.

### Device Wi-Fi Signal Strength Indicator



## 2 **Install optional kit into operator**

- Follow instructions provided with the kit to install Aladdin Connect® (iDCM) circuit board.
- Attach decals provided with the kit to the front panel of operator and the front cover of this manual.

## 3 **Download the Aladdin Connect® app (Unless using 3rd party app)**

### Scan for iOS app



Apple and the Apple logo are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc.

### Scan for Android app



## 4 **Follow the Aladdin Connect® app instructions**

Follow steps per the app instructions.

- Create an account
- Add a device
- Set up Wi-Fi
- Add users and rules

For help at any time contact The Genie Company at 1-866-599-4995 or visit our website. [www.geniecompany.com/aladdinconnect](http://www.geniecompany.com/aladdinconnect)

## 5 **Install WARNING Placard**

Once the app configuration is complete, open the door with the wall control, wait 10 seconds, and then close the door and wait 10 seconds. Look at the door status (open or closed) in the app. If the door status is not correct repeat the opening, pausing 10 seconds, closing, and pausing 10 seconds a few times until the door status displays correctly in the app.

**Place included unintended operation warning placard next to garage door operators wall button.**

**NOTE:** This placard should be used in lieu of the standard WARNING placard included with this operator.

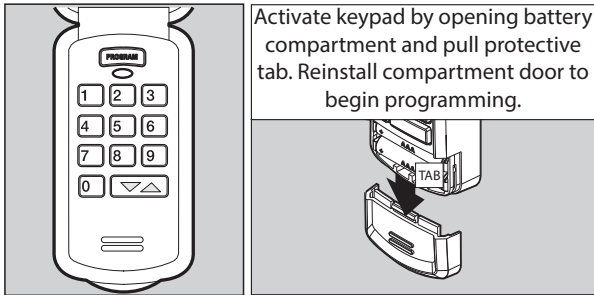
**NOTE:** Use of this product, the software embedded within this product and the related application software is subject to the Terms and Conditions available at: [www.geniecompany.com/aladdinconnect](http://www.geniecompany.com/aladdinconnect)



# INSTALL & PROGRAM KEYPAD (abbreviated)

## QuickView Single Door Setup.

Please see complete instructions that accompany keypad



### Program keypad before mounting.

#### 1 Programming a PIN Number (Single Door)

**NOTE:** The existing factory default Personal Identification Number (PIN) for this keypad is the number sequence: 3-5-7

Sync the operator and the keypad by performing the following:

1. Ensure the keypad back lighting is off.
2. Place garage door operator into remote control PROGRAMMING MODE (see section 4).
3. Press 3-5-7 in sequence on the keypad.
4. Press the UP/DOWN key 3 to 4 times slowly until garage door operator operates.
  - This completes the programming of a single door operator (door 1) and keypad.
  - **IT IS RECOMMENDED THAT YOU CHANGE THIS PIN FROM THE EXISTING FACTORY DEFAULT SETTING of 3-5-7. See STEP 2 below.**

#### 2 Changing Default PIN Of 3-5-7

1. Enter the factory default pin -3-5-7.
2. Press PROGRAM key once.
3. Enter a new PIN of your choice (3-8 digits).
4. Press PROGRAM key once.
  - Your PIN has been changed and your previous PIN will no longer operate the keypad or operator.

#### 3 Operating the Keypad with the Operator

##### Single Door Operation:

1. Ensure number pad back lighting is off.
2. Enter PIN number.
3. Press the UP/DOWN key.
4. Operator will operate.

**NOTE:** Keypad will remain active for 15 seconds after a successful entry is made. During this 15 seconds ANY key will operate the operator.

#### Resetting a PIN

Press and hold both the PROGRAM key and the Up/Down key for about five seconds.

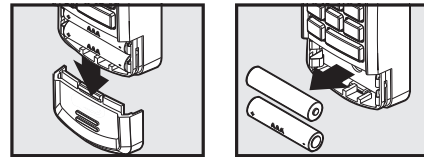
The LEDs will slowly blink and then go out. When the LED stops blinking, the old programming has been successfully erased.

To create a new PIN, start with STEP 1.

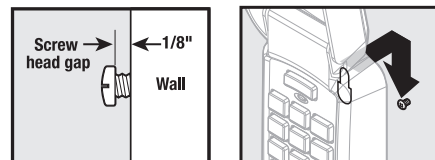
#### Mounting Keypad

The keypad **MUST** be mounted within sight of the garage door(s) at least five feet above the floor and clear of any moving door part.

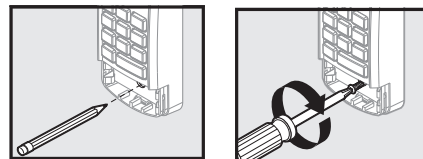
1. Remove battery cover and batteries.



2. Drill 3/32" pilot hole for the top mounting screw (included).
3. Install a screw into the pilot hole, leaving a 1/8" gap between the screw head and wall.



4. Hook the slotted mount, on back of keypad, over the screw.



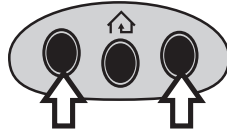
5. Mark and drill a pilot hole for the bottom screw (included) and secure keypad to wall (DO NOT overtighten).
6. Reinstall batteries and cover.

# PROGRAMMING VEHICLE CONTROLS (abbreviated)

## Programming HomeLink® System

### 1 Clear HomeLink

Clear HomeLink by pressing and holding down the first and third buttons until the indicator on the HomeLink blinks slow and then fast for 20 seconds; then release both buttons.



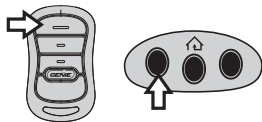
**NOTE:** Clearing the HomeLink will remove all previously programmed garage door operators.

### 2 Train HomeLink to the Remote

Choose the button on the HomeLink that will be used to open the door.

**NOTE:** Hold the Remote two inches from the HomeLink button.

Hold down the remote button. While holding, press and hold the chosen HomeLink button.

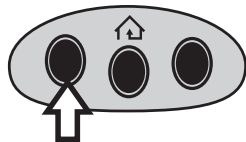


Hold down both buttons until the indicator on the HomeLink blinks slow then fast. Once it blinks, release both buttons.

### 3 Program HomeLink to the Operator

(Place operator into programming mode) - SEE PAGE 9

A. Press the chosen HomeLink button for two seconds and release. Press that same button again for two seconds and release. The long LED will flash blue and then turn off.



B. Press the HomeLink button a few more times until door moves.

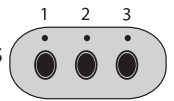
**NOTE:** For additional instructions, see the motor vehicle manual, or visit [www.homelink.com](http://www.homelink.com) or visit [www.geniecompany.com](http://www.geniecompany.com)

## Programming Car2U® System

### 1 Clear Car2U to default settings

The default setting for the Car2U system is:

- Button 1 = Genie® Manufactured Operators
- Button 2 = LiftMaster® Manufactured Operators



- Button 3 = Wayne Dalton® Manufactured Operators

- A. Press and hold buttons 1 and 3 for 20 seconds or until all three LEDs begin to flash.
- B. Release both buttons. The Car2U system is now set to the Factory Default settings

**NOTE:** Clearing the Car2U remote will remove all previously programmed garage door operators.

### 2 Program Car2U to the Operator (Place operator into programming mode - see section 4).

- A. Press the designated Car2U button for two seconds and release. Press that same button again for two seconds and release. The long LED will flash blue and then turn off.
- B. Press the Car2U button a few times more until door moves.

### 3 Changing Factory Default Button for a Genie® Operator

- A. Press and hold buttons 1 & 3 for one second and release—all three LEDs will light solid red.
- B. Press and hold the button (2 or 3) to change it to—the corresponding LED will flash. While continuing to hold that button, press and release button 1. Press and release button 1 again.
- C. Release the button being held in step B and wait for the LED to stop flashing. This button is now set. Repeat Step 2 for second operator.

## IMPORTANT SAFETY INSTRUCTIONS

### ⚠ WARNING

**To reduce the risk of severe injury or death, read and follow all instructions.**

1. **NEVER** let children operate or play with the door controls.
2. Keep remote away from children.
3. **ALWAYS** keep the moving door in sight and away from people and objects until door is completely closed. **NO ONE SHOULD CROSS THE PATH OF THE MOVING DOOR.**
4. **NEVER** GO UNDER A STOPPED, PARTIALLY OPEN DOOR.
5. Test operator monthly. The door **MUST** reverse on contact with a 1-1/2" high object (or 2" x 4" board laid flat) at the center of the doorway on the floor. After adjusting either the force or limit of travel, retest door operator. Failure to adjust the operator properly may cause severe injury or death.
6. When possible, use emergency release only when door is closed. Use caution when using this release with the door open. Weak or broken springs are capable of increasing the rate of door closing and increasing the risk of severe injury or death.
7. **KEEP DOORS PROPERLY BALANCED.** See your garage door Owner's Manual. An improperly balanced door increases the risk of severe injury or death. Have a trained door system technician make repairs to cables, spring assemblies, and other hardware.
8. This operator system is equipped with an unattended operation feature. The door could move unexpectedly. **NO ONE SHOULD CROSS THE PATH OF THE MOVING DOOR.**

## SAVE THESE INSTRUCTIONS

## IMPORTANTES CONSIGNES DE SÉCURITÉ

### ⚠ AVERTISSEMENT

**Pour réduire le risque de blessures graves voire mortelles, lire et comprendre toutes les instructions.**

1. **NE JAMAIS** permettre aux enfants d'actionner ou de jouer avec les commandes de la porte.
2. Tenir les télécommandes hors de la portée des enfants.
3. **TOUJOURS** garder en vue la porte en mouvement et tenir à l'écart toute personne ou objet jusqu'à ce que la porte soit totalement fermée. **PERSONNE NE DOIT TRAVERSER LA TRAJECTOIRE D'UNE PORTE EN MOUVEMENT.**
4. **NE JAMAIS** PASSER SOUS UNE PORTE À L'ARRÊT PARTIELLEMENT OUVERTE.
5. Tester l'ouvre-porte une fois par mois. La porte de garage **DOIT** inverser sa course au contact d'un objet de 4 cm (planche de 5 sur 10 cm) posé à plat sur le sol au centre de l'ouverture de la porte. Après avoir réglé la force ou la limite de la course, retenter l'ouvre-porte de garage. Un mauvais réglage de l'ouvre-porte peut entraîner des blessures graves voire mortelles.
6. Utiliser, dans la mesure du possible le déclenchement d'urgence uniquement lorsque la porte est fermée. Utiliser le déclenchement d'urgence avec prudence lorsque la porte est ouverte. Des ressorts faibles ou brisés peuvent faire descendre la porte rapidement ce qui peut entraîner des blessures graves voire mortelles.
7. **VEILLER À CE QUE LA PORTE SOIT CORRECTEMENT ÉQUILIBRÉE.** Consulter le manuel du propriétaire de la porte de garage. Une porte déséquilibrée pourrait entraîner de graves blessures voire mortelles. Demander à un technicien spécialisé en système de portes de se charger des réparations des câbles, des ressorts et de toute autre quincaillerie.
8. Ce système d'ouvre-porte est muni d'une fonction d'activation sans surveillance. La porte pourrait bouger sans que vous vous y attendiez. **IL NE FAUT JAMAIS PASSER DANS LA TRAJECTOIRE D'UNE PORTE EN MOUVEMENT.**

## CONSERVER CES INSTRUCTIONS



### WARNING

- Use of any other wall control can cause unexpected operation of the door and loss of lighting feature.
- Locate wall console within sight of the door but far enough from door to prevent contacting it while operating the console.
- Control must be at least 5' above the floor to prevent small children from operating it.



### AVERTISSEMENT

- L'utilisation d'une autre commande murale pourrait produire des résultats inattendus de la porte ainsi que le dysfonctionnement de l'éclairage.
- Localisez la console murale en vue de la porte et suffisamment loin de la porte pour éviter tout contact pendant l'utilisation de la console.
- La commande doit être à une hauteur minimale de 1,5 m au-dessus du sol afin que les jeunes enfants ne puissent pas l'atteindre.

Regular inspection/maintenance for the door and operator should be performed at regular intervals to ensure the system runs at peak safety, performance and efficiency.

MAINTENANCE ITEM	INTERVALS	DETAILS
Contact Reverse Test	Monthly	See page 28 to run system test.
Lubricate Door Hardware	Monthly	Lubricate Rollers & Hinges with a light weight general purpose grease.
Safe-T-Beam® system check	Monthly	Check wiring for loose connections, cracks or worn insulation. Clean lenses of dirt & debris.
Door Balance	Monthly	See Maintenance Detail A
Battery Backup System	Monthly	Unplug operator from outlet. Test operator with remote or wall console. Replace battery if needed.
Remote Battery replacement	As Needed	See Maintenance Detail B

## A) Door Inspection

With the door closed, pull manual emergency release handle DOWN to disengage operator from door.

- Raise and lower the door manually. Door should move freely and smoothly.
  - Raise door manually about 3' to 4' from floor and let go. Door should remain stationary or slowly drift closed. Fig. 1.
- If door opens or closes rapidly, **CONTACT A TRAINED DOOR SYSTEM TECHNICIAN** to have your door springs serviced.
- Close the door.
  - Pull emergency release cord down and release quickly to engage operator to door.
  - Operate door using remote or wall control.



### ⚠ WARNING

- Garage door hardware (springs, cables, brackets, pulleys, etc.) are under extreme pressure and tension.
- **DO NOT** attempt to repair or adjust door springs or any hardware, and **DO NOT OPERATE** garage door automatically or manually if door is improperly balanced or springs are broken.
- **CONTACT A TRAINED DOOR SYSTEM TECHNICIAN.**

### ⚠ AVERTISSEMENT

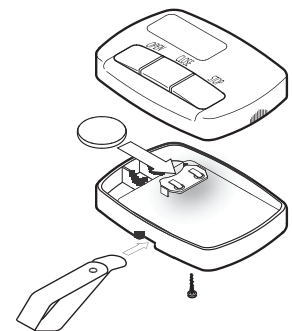
- La quincaillerie de la porte de garage (ressorts, câbles, supports, poulies, etc.) sont sous des pressions et des tensions extrêmes.
- **NE PAS** réparer ni régler les ressorts de la porte ou toute autre pièce de quincaillerie et **NE PAS ACTIONNER** la porte manuellement ou automatiquement si elle n'est pas correctement équilibrée ou si des ressorts sont cassés.
- **CONTACTEZ UN TECHNICIEN SPÉCIALISÉ EN SYSTÈME DE PORTES**

## B) Replacing Batteries

### Remote Battery Replacement (Commercial style transmitters)

Replace remote battery with a CR2032 coin cell battery.

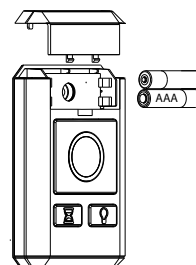
1. Remove visor clip.
2. Remove phillips head screw from back of remote.
3. Squeeze ends of remote case inward to separate halves.
4. Replace battery. Be sure positive side (+) is UP.
5. Align components and snap case closed, replace screw and visor clip.



### Wall Console Battery Replacement

Replace wall console batteries with 2-AAA batteries.

1. Open remote case.
2. Replace batteries. Ensure insertion in correct polarity.
3. Align components and snap case closed.





Need help or have questions? Call Genie® at 1-800-35-GENIE or visit: [www.geniecompany.com](http://www.geniecompany.com)

#### Operator does NOT operate when wall control is pressed

- Replace Wireless Wall Console Batteries, see page 41.
- If applicable, turn Sure-Lock™ off with basic wall console, see page 21.
- Check power source
- If power is OK, check connections at powerhead terminals.
- Check for reversed, broken or cut wires. Staples can cut insulation and short wires. Repair or replace.

#### Operator runs, but door does not move

- Ensure coupler set screws have not loosened, see page 9.

#### Operator works from wall control, but NOT from remote

- Check all remotes.
- Replace remote battery, see page 41.
- Program remotes to powerhead, see page 29.

#### Remote has less than 25 feet operating range or no operation

- Relocate remote inside car and /or point remote at garage door.
- Replace remote battery, see page 41.
- Eliminate possible competing signals (radio, etc.).

#### Door starts down, reverses - Safety device malfunction

- If new Installation, make sure only approved safety devices are installed.
- Check if limits are properly set, see pages 26-27. Adjust limits as needed.
- Check if Safe-T-Beam® red LED is flashing. See page 34, Safe-T-Beam® system check.
- Check Safe-T-Beam® system for beam obstruction or misalignment of lenses. See page 34, Safe-T-Beam® system.
- Check garage door for binding.
- Disconnect operator and try to manually close the door.
- If an operational problem exists, and operator will not close, the operator can be forced to close as follows: Press and hold the wall control button until door is completely closed.
- Check for interference from adjacent safety device unit, see page 34.
- Check operator Door Lock and wire connections, see page 19.
- Contact Genie customer care.

#### Door starts down and stops before close limit. Door only opens

- Check safety device wire connection at powerhead and at device. See page 12/29, Safe-T-Beam® system check.
- Check if limits are properly set, see pages 26-27. Adjust limits as needed.
- Check contact reverse, see page 28.
- Check garage door for binding. See maintenance and adjustment. Page 41.
- Check closing force control, see page 28, and force settings 32.
- Check operator door lock and wire connections, see page 19.

# TROUBLESHOOTING (CONT')

## Door starts up but STOPS before it is completely open

- Check if limits are properly set, see pages 26-27. Adjust limits as needed.
- Be sure door, operator, springs are in good repair, properly lubricated and balanced. Page 41.
- Disconnect operator and try to manually open the door.
- Check closing/opening force control, see page 28, and force settings 32.
- If you suspect a problem with the garage door hardware or springs, visit [www.geniecompany.com](http://www.geniecompany.com) and use the "dealer locator" to find a local door service professional. NEVER try to repair door hardware or springs yourself.
- Check operator Door Lock and wire connections, see page 19.

## Door will only run closed

- If applicable, turn Sure-Lock™ off with basic wall console, see page 21.
- Check if limits are properly set, see pages 26-27.
- Check door balance, condition, and door spring, see page 41.
- Check opening force control, see page 28, and force settings 32.
- If you suspect a problem with the garage door hardware or springs, visit [www.geniecompany.com](http://www.geniecompany.com) and use the "dealer locator" to find a local door service professional. NEVER try to repair door hardware or springs yourself.

## Door operator starts for no reason

- Button stuck on wall control or remote.
- Was remote lost or stolen? Erase all remotes from powerhead memory and program new remotes, see page 33 and 29.

## Noisy operation

- Be sure all door fasteners are tight, see page 41.
- Be sure garage door is in good repair, properly lubricated and balanced, see page 41.
- Be sure operator is in good repair.

## Door operator runs slow

- Check door balance, see page 41.
- Check operating condition of door. Door may need professional repair/adjustment.

## Mid Stop not setting / functioning properly

- Ensure that the mid stop is being set greater than 2 full turns of the output shaft below the open limit.
- Ensure that the mid stop is being set greater than 1/2 turn of the output shaft above the close limit.
- Mid stop is cancelled/deleted when either the open or close limit is reset.

# TROUBLESHOOTING (CONT')

## POWERHEAD LEDS

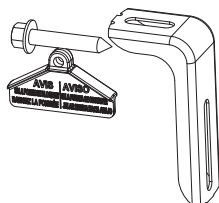
Powerhead LED		Possible Problem	Solution
Long LED	Round LED		
OFF	OFF	Normal operation.	None required.
		No response from unit.	Check power supply. Contact a trained door system professional.
ON/RED/ STEADY	ON/RED/ STEADY	Limits NOT set properly.	Re-program limits, see pages 26-27.
ON/RED/ FLASHING	ON/RED/ FLASHING	Program error.	Unplug unit, wait 5 seconds, plug in.
		Component failure.	Contact a trained door system technician.
OFF	ON/BLUE/ FLASHING	Remote NOT programmed.	Program remote, see page 29.
OFF	ON/PURPLE/ FLASHING	Remote NOT programmed.	Program remote, see page 29.
OFF	ON/RED/ FLASHING	Safe-T-Beam® physical obstruction.	Remote obstruction, recheck unit.
		Safe-T-Beam® signal interference.	Check alignment of Safe-T-Beam® pair and nearest other Safe-T-Beam® pair, see page 34.
ON/RED/ FLASHING	OFF	Door contact in UP or DOWN travel.	Remove obstruction.
		Door component failure detected.	Check door spring, track, rollers, hinges and fixtures.
ON/RED/ STEADY	OFF	Thermal cutout.	DO NOT unplug unit. Wait until LED clears before operating.
ALTERNATING YELLOW FLASH		Interlock Open	Check missing wire from interlock terminal Inspect interlock (see page 21)
ALTERNATING GREEN /RED FLASH		Ground to Stop Jumper missing	If unit is installed without an Open/Close/Stop pushbutton, jumper must be installed.
ON/PURPLE/ STEADY	ON/PURPLE/ STEADY	Component error.	Contact a trained door system technician.
ON/BLUE/ FLASHING	OFF	Door will not open.	Check Sure-Lock™. Sure-Lock™ should be OFF for normal operation (see page 21).
ON/PURPLE/ FLASHING	ON/PURPLE/ FLASHING	Radio receiver error.	Unplug the unit. Wait 5 seconds and plug the unit back in. If problems persist, contact a trained door system technician.

### LED SIGNALS with BATTERY BACK-UP installed

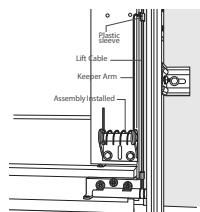
ON/GREEN STEADY	ON/GREEN STEADY	OK= Normal Operation. Charged, Battery Back Up	None Required
ON/GREEN FLASHING	ON/GREEN FLASHING	Discharging, Battery Back Up	Power is out. Battery in use.
ON/YELLOW FLASHING	ON/YELLOW FLASHING	Charging, Battery Back Up	None Required
YELLOW FLASHING	RED FLASHING	Dead Battery, Battery Back Up	Replace Battery.

**Specify model number of operator when ordering parts**

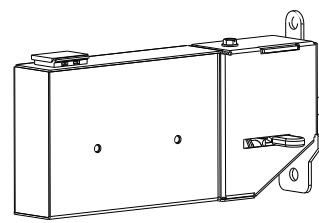
DESCRIPTION	PART NUMBER
Hardware Bag	39946S.S
Cable Keeper Kit	39794A.S
Coupler	39830R.S
Open/Close/Stop Push Button	106647.0001.S
Optional ACCESSORIES	PART NUMBER
Door Lock & Cable	41149R
Door lock cable	40629A.S
Wireless Wall Console	39902R
Light Fixture	41151R
Battery Backup Battery (Optional, Not Shown)	111658.0002.S
Battery Backup Housing (Optional, Not Shown)	41374R.S
Aladdin Connect® Wi-Fi Kit (Optional, Not Shown)	41153R
Low Voltage Power Input Kit (Not Shown)	41194R
Alternate Mounting Kit (Not Shown)	40803R
Aladdin Connect® Kit (Not Shown)	41153R



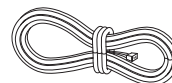
Hardware Bag



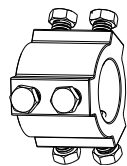
Cable Keeper Kit



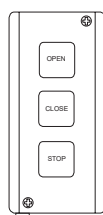
Door Lock



Door Lock Harness



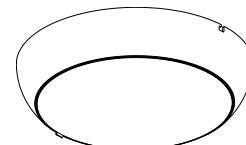
Coupler



Open/Close/Stop  
Push Button



Wireless Wall Console



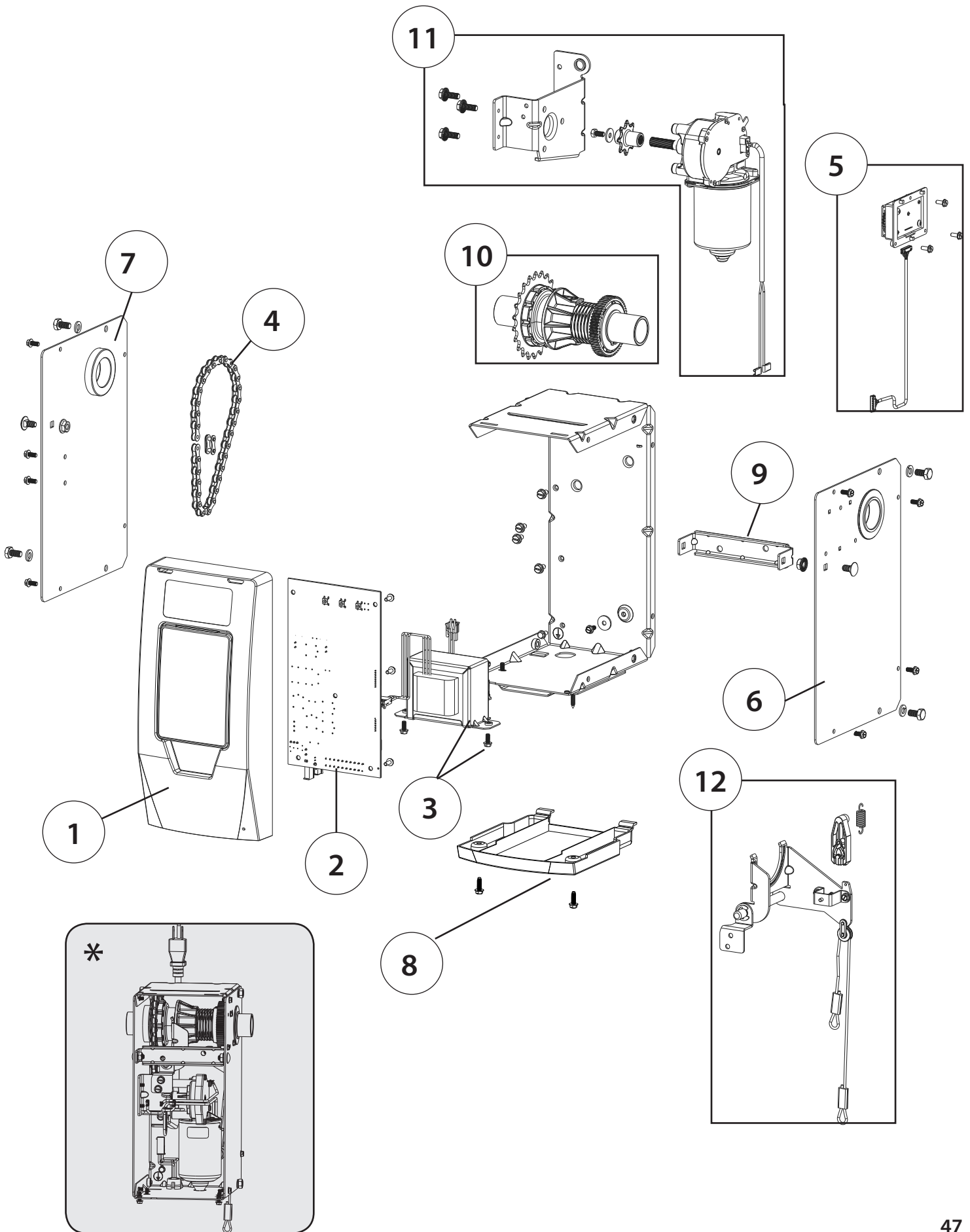
LED Light Fixture

# REPLACEMENT PARTS

**Specify model number of operator when ordering parts**

ITEM	PART NUMBER	DESCRIPTION	QTY
1	39742A.S	Housing Cover	1
2	41181S.S	Main Control Board Kit	1
3	41184R.S	Transformer Kit	1
4	27335.P	Chain assembly, 16 Loop, 1/2" P	1
5	39547R.S	MLS (Travel Limit) Kit	1
6	39675R.S	Side Panel Assembly RH	1
7	39677R.S	Side Panel Assembly LH	1
8	39706A.S	Wire Tray Cover	1
9	41192R.S	Center Brace	1
10	41374R.S	Shaft Assembly Kit*	1
11	41374R.S	Motor Assembly Kit*	1
12	41374R.S	Release Assembly Kit*	1

\* Due to the complexity of assembly, these kits require the 41374R.S Chassis Kit. Installer will use the chassis kit and install the cover assembly with circuit board(s), transformer assembly and MLS assembly from existing operator.







## **Commercial Operator Limited Warranty**

The Genie Company ("Seller") warrants to the original purchaser of the GCL-LJ commercial door operator ("Product"), subject to all of the terms and conditions hereof, that the Product and all components thereof will be free from defects in materials and workmanship under normal use for the following period(s), measured from the date of installation.

Two (2) years or When the Operator exceeds 20,000 cycles of operation, as measured by the integrated cycle counter contained in the Operator.

Seller's obligation under this warranty is specifically limited to repairing or replacing, at its option, any part which is determined by Seller to be defective during the applicable warranty period. Any labor charges are excluded and will be the responsibility of the purchaser.

This warranty is made to the original purchaser of the Product only, and is not transferable or assignable. This warranty does not apply to any unauthorized alteration or repair of the Product, or to any Product or component which has been damaged or deteriorated due to misuse, neglect, accident, failure to provide necessary maintenance, normal wear and tear, or acts of God or any other cause beyond the reasonable control of Seller.

THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTIES, EITHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

IN NO EVENT SHALL SELLER BE RESPONSIBLE FOR, OR LIABLE TO ANYONE FOR, SPECIAL, INDIRECT, COLLATERAL, PUNITIVE, INCIDENTAL OR CONSEQUENTIAL DAMAGES, even if Seller has been advised of the possibility of such damages. Such excluded damages include, but are not limited to, loss of goodwill, loss of profits, loss of use, cost of any substitute product, interruption of business, or other similar indirect financial loss.

Claims under this warranty must be made promptly after discovery, within the applicable warranty period, and in writing to the Seller or to the authorized distributor or installer whose name and address appear below.

The purchaser must allow Seller a reasonable opportunity to inspect any Product claimed to be defective prior to removal or any alteration of its condition. Proof of the purchase and/or installation date, and identification as the original purchaser, may be required.



**The Genie Company**  
**1 Door Drive, Mount Hope OH. 44660**  
**1-800-843-4084**  
**[www.geniecompany.com](http://www.geniecompany.com)**

DOOR LOCK TEMPLATE