

## OPERATION

### IMPORTANT SAFETY INSTRUCTIONS

#### WARNING

#### To reduce the risk of SEVERE INJURY or DEATH:

1. READ AND FOLLOW ALL WARNINGS AND INSTRUCTIONS.
2. ALWAYS keep remote controls out of reach of children. NEVER permit children to operate or play with garage door control push buttons or remote controls.
3. ONLY activate garage door when it can be seen clearly, it is properly adjusted, and there are no obstructions to door travel.
4. ALWAYS keep garage door in sight until completely closed. NO ONE SHOULD CROSS THE PATH OF THE MOVING DOOR.
5. NO ONE SHOULD GO UNDER A STOPPED, PARTIALLY OPEN DOOR.
6. If possible, use emergency release handle to disengage trolley ONLY when garage door is CLOSED. Weak or broken springs or unbalanced door could result in an open door falling rapidly and/or unexpectedly.
7. NEVER use emergency release handle unless garage doorway is clear of persons and obstructions.
8. NEVER use handle to pull garage door open or closed. If rope knot becomes untied, you could fall.
9. If one control (force or travel limits) is adjusted, the other control may also need adjustment.
10. After ANY adjustments are made, the safety reversal system MUST be tested.
11. Safety reversal system MUST be tested every month. Garage door MUST reverse on contact with 1-1/2" high (3.8 cm) high object (or a 2x4 laid flat) on the floor.
12. ALWAYS KEEP GARAGE DOOR PROPERLY BALANCED (see page 3). An improperly balanced door may not reverse when required and could result in SEVERE INJURY or DEATH.
13. ALL repairs to cables, spring assemblies and other hardware, ALL of which are under EXTREME tension, MUST be made by a trained door systems technician.
14. ALWAYS disconnect electric power to garage door opener BEFORE making ANY repairs or removing covers.
15. **SAVE THESE INSTRUCTIONS.**

### Using Your Garage Door Opener

Your Security+® opener and hand-held remote control have been factory-set to a matching code which changes with each use, randomly accessing over 100 billion new codes. Your opener will operate with up to eight Security+® remote controls and one Security+® Keyless Entry System. If you purchase a new remote, or if you wish to deactivate any remote, follow the instructions in the *Programming* section.

#### Activate your opener with any of the following:

- *The hand-held Remote Control:* Hold the large push button down until the door starts to move.
- *The wall-mounted Door Control:* Hold the push button or bar down until the door starts to move.
- *The Keyless Entry (See Accessories):* If provided with your garage door opener, it must be programmed before use. See *Programming*.

#### When the opener is activated (with the safety reversing sensor correctly installed and aligned)

1. If open, the door will close. If closed, it will open.
2. If closing, the door will reverse.
3. If opening, the door will stop.
4. If the door has been stopped in a partially open position, it will close.
5. If obstructed while closing, the door will reverse. If the obstruction interrupts the sensor beam, the opener lights will blink for five seconds.

6. If obstructed while opening, the door will stop.

7. If fully open, the door will not close when the beam is broken. The sensor has no effect in the opening cycle.

If the sensor is not installed, or is misaligned, the door will not close from a hand-held remote. However, you can close the door with the Door Control, the Outside Keylock, or Keyless Entry, *if you activate them until down travel is complete*. If you release them too soon, the door will reverse.

**The opener lights** will turn on under the following conditions: when the opener is initially plugged in; when power is restored after interruption; when the opener is activated.

They will turn off automatically after 4-1/2 minutes or provide constant light when the Light feature on the Multi-Function Door Control is activated. Bulb size is A19. Bulb power is 100 watts maximum.

**Security+® light feature:** Lights will also turn on when someone walks through the open garage door. With a Multi-Function Door Control, this feature may be turned off as follows: With the opener lights off, press and hold the light button for 10 seconds, until the light goes on, then off again. To restore this feature, start with the opener lights on, then press and hold the light button for 10 seconds until the light goes off, then on again.

## Using the Wall-Mounted Door Control

### THE MULTI-FUNCTION DOOR CONTROL

Press the push button to open or close the door. Press again to reverse the door during the closing cycle or to stop the door while it's opening.

#### Light feature

Press the Light button to turn the opener light on or off. It will not control the opener lights when the door is in motion. If you turn it on and then activate the opener, the light will remain on for 4-1/2 minutes. Press again to turn it off sooner. The 4-1/2 minute interval can be changed to 1-1/2, 2-1/2, or 3-1/2 minutes as follows: Press and hold the Lock button until the light blinks (about 10 seconds). A single blink indicates that the timer is reset to 1-1/2 minutes. Repeat the procedure and the light will blink twice, resetting the timer to 2-1/2 minutes. Repeat again for a 3-1/2 minute interval, etc., up to a maximum of four blinks and 4-1/2 minutes.

#### Lock feature

Designed to prevent operation of the door from hand-held remote controls. However, the door will open and close from the Door Control, the Outside Keylock and the Keyless Entry Accessories.

To activate, press and hold the Lock button for 2 seconds. The push bar light will flash as long as the Lock feature is on.

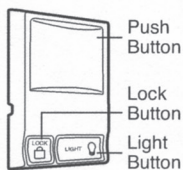
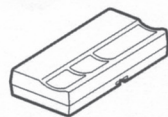
To turn off, press and hold the Lock button again for 2 seconds. The push bar light will stop flashing. The Lock feature will also turn off whenever the "learn" button on the motor unit panel is activated.

#### Additional features when used with the 3-Button hand-held remote

##### A) To control the opener lights:

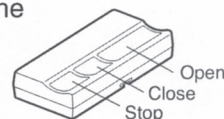
In addition to operating the door, you may program the remote to operate the lights.

1. With the door closed, press and hold a small remote button that you want to control the light.
2. Press and hold the Light button on the Multi-Function door control.
3. While holding the Light button, press and hold the Lock button on the door control.
4. After the opener lights flash, release all buttons.



##### B) To operate one door using all three buttons on the hand-held remote:

You may program the remote to open the door with the large button, close it with the middle button, and stop the door's movement with the third button.



**NOTE:** If remote is already programmed, you must first erase all codes. See Programming.

1. With the door closed, press and hold the large remote push button.
2. Press and hold the Lock button on the door control.
3. Press and hold the door control push bar.
4. After the opener lights flash, release all buttons.

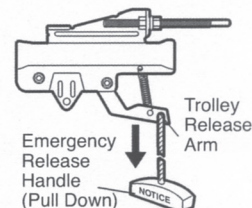
## To Open the Door Manually

### ⚠ WARNING

To prevent possible **SERIOUS INJURY** or **DEATH** from a falling garage door:

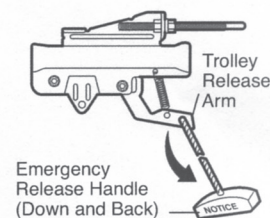
- If possible, use emergency release handle to disengage trolley **ONLY** when garage door is **CLOSED**. Weak or broken springs or unbalanced door could result in an open door falling rapidly and/or unexpectedly.
- **NEVER** use emergency release handle unless garage doorway is clear of persons and obstructions.
- **NEVER** use handle to pull door open or closed. If rope knot becomes untied, you could fall.

The door should be fully closed if possible. Pull down on the emergency release handle and lift the door manually. To reconnect the door to the opener, press the door control push bar.



#### MANUAL DISCONNECT POSITION

The *lockout feature* prevents the trolley from reconnecting automatically. Pull the emergency release handle down and back (toward the opener). The door can then be raised and lowered manually as often as necessary. To disengage the lockout feature, pull the handle straight down. The trolley will reconnect on the next UP or DOWN operation, either manually or by using the door control or remote.



#### LOCKOUT POSITION

## CARE OF YOUR OPENER

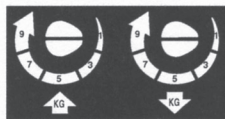
### LIMIT AND FORCE ADJUSTMENTS:

Weather conditions may cause some minor changes in door operation requiring some re-adjustments, particularly during the first year of operation.

Pages 23 and 24 refer to the limit and force adjustments. Only a screwdriver is required. Follow the instructions carefully.

**Repeat the safety reverse test (Adjustment Step 3, page 25) after any adjustment of limits or force.**

FORCE CONTROLS



LIMIT CONTROLS



### MAINTENANCE SCHEDULE

#### Once a Month

- Manually operate door. If it is unbalanced or binding, call a trained door systems technician.
- Check to be sure door opens and closes fully. Adjust limits and/or force if necessary (see pages 23 and 24).
- Repeat the safety reverse test. Make any necessary adjustments (see Adjustment Step 3).

#### Twice a Year

- Check chain tension. Disconnect trolley first. Adjust if necessary (see page 7).

#### Once a Year

- Oil door rollers, bearings and hinges. The opener does not require additional lubrication. Do not grease the door tracks.

## THE REMOTE CONTROL BATTERY

### ⚠ WARNING

To prevent possible **SERIOUS INJURY** or **DEATH**:

- NEVER allow small children near batteries.
- If battery is swallowed, immediately notify doctor.

The lithium battery should produce power for up to 5 years.

### ⚠ WARNING

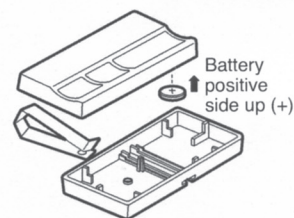
To reduce risk of fire, explosion or chemical burn:

- Replace **ONLY** with 3V2032 coin batteries.
- Do **NOT** recharge, disassemble, heat above 100°C (212°F) or incinerate.

To replace battery, use the visor clip or screwdriver blade to pry open the case as shown. Insert battery positive side up (+).

Dispose of old battery properly.

Replace the battery with only 3V2032 coin cell batteries.



**NOTICE:** To comply with FCC and or Industry Canada (IC) rules, adjustment or modifications of this receiver and/or transmitter are prohibited, except for changing the code setting or replacing the battery. **THERE ARE NO OTHER USER SERVICEABLE PARTS.**

Tested to Comply with FCC Standards FOR HOME OR OFFICE USE. 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.

## HAVING A PROBLEM?

**1. My door will not close and the light bulbs blink on my motor unit:** The safety reversing sensor must be connected and aligned correctly before the garage door opener will move in the down direction.

- Verify the safety sensors are properly installed, aligned and free of any obstructions. Refer to *Installation Step 10: Install The Protector System®*.
- Check diagnostic LED for flashes on the motor unit then refer to the *Diagnostic Chart* on the following page.

**2. My remotes will not activate the door:**

- Verify your door control is not blinking. If it is blinking, deactivate the Lock Mode following the instructions for *Using the Wall Mounted Door Control*.
- Reprogram remotes following the programming instructions. Refer to *Programming*.
- If remote will still not activate your door, check diagnostic LED for flashes on motor unit then refer to *Diagnostic Chart* on the following page.

**3. My door reverses for no apparent reason:** Repeat safety reverse test after adjustments to force or travel limits. The need for occasional adjustment for the force and limit settings is normal. Weather conditions in particular can affect door travel.

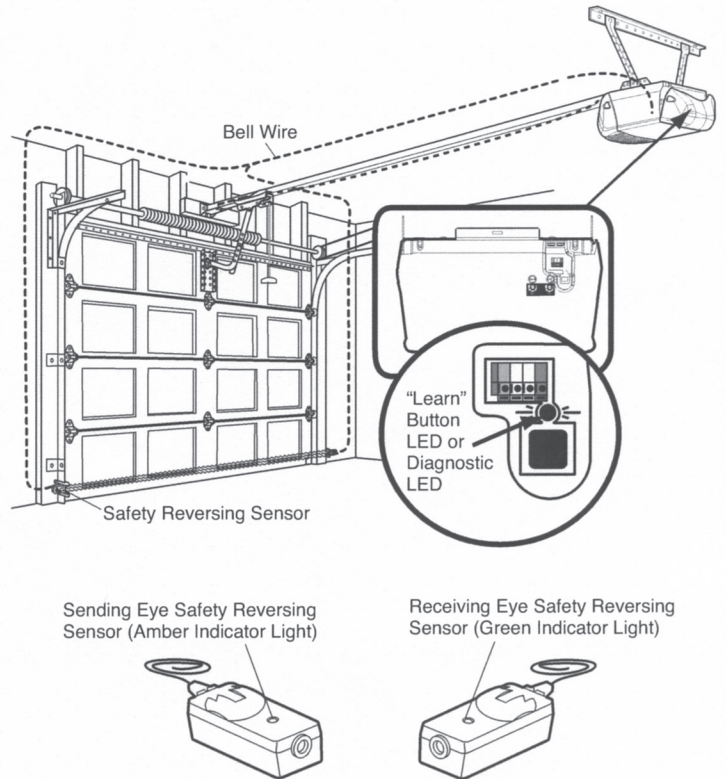
- Manually check door for balance or any binding problems.
- Refer to *Adjustment Step 2, Adjust the Force*.

**4. My door reverses for no apparent reason after fully closing and touching the floor:** Repeat safety reverse test after adjustments to force or travel limits. The need for occasional adjustment for the force and limit settings is normal. Weather conditions in particular can affect door travel.

- Refer to *Adjustment Step 1, Adjust the UP and DOWN Travel Limits*. Decrease down travel by turning down limit adjustment screw clockwise.

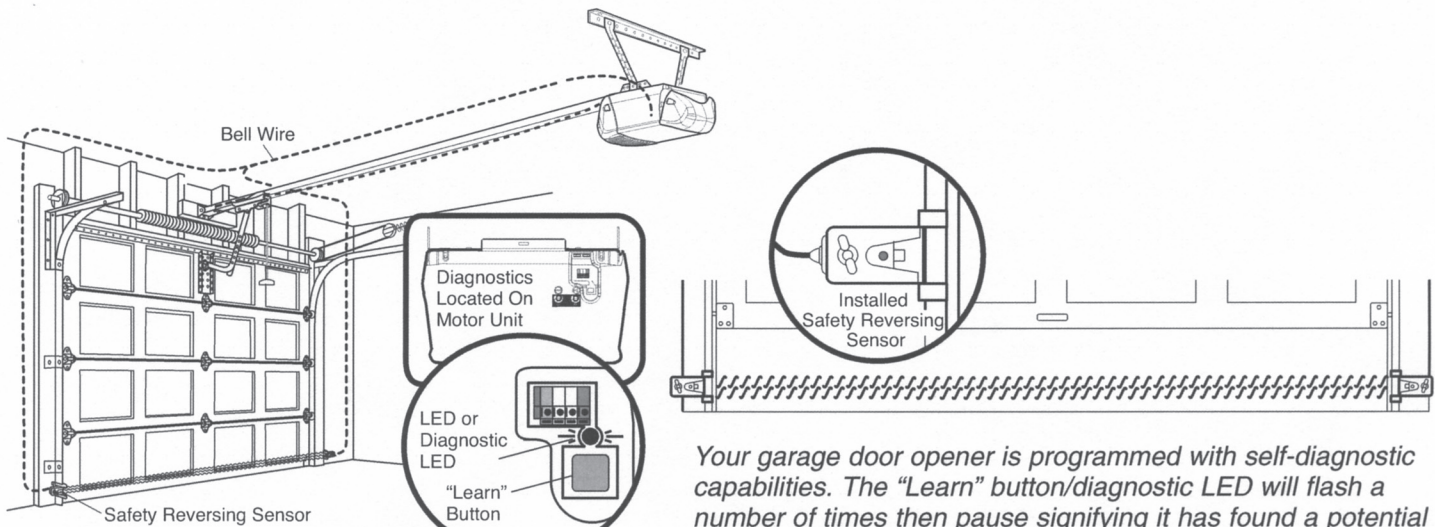
**5. My lights will not turn off when door is open:**

- The garage door opener is equipped with a security light feature. This feature activates the light on when the safety sensor beam has been obstructed. Refer to Operation section; *Using the Wall Mounted Door Control, Light Feature*.



**6. My motor unit hums briefly:**

- First verify that the trolley is against the stop bolt.
- Release the door from the opener by pulling the Emergency Release Rope.
- Manually bring the door to a closed position.
- Loosen the chain by adjusting the *outer nut* 4 to 5 turns. This relieves the tension.
- Run the motor unit from the remote control or door control. The trolley should travel towards the door and stop. If the trolley re-engages with the door, pull the Emergency Release Rope to disengage.
- Decrease the UP travel by turning the UP Travel adjustment screw 2 full turns *away* from the arrow.
- Re-tighten the outer nut so the chain is a 1/2" (13 mm) above the base of the rail. (When the door is reconnected and closed, the chain will sag. This is normal.)
- If the trolley does not move away from the bolt, repeat the steps above.



Your garage door opener is programmed with self-diagnostic capabilities. The "Learn" button/diagnostic LED will flash a number of times then pause signifying it has found a potential issue. Consult Diagnostic Chart below.

## Diagnostic Chart

### 1 FLASH

Safety reversing sensors wire open (broken or disconnected).

OR

### 2 FLASHES

Safety reversing sensors wire shorted or black/white wire reversed.

### 3 FLASHES

Door control or wire shorted.

### 4 FLASHES

Safety reversing sensors slightly misaligned (dim or flashing LED).

### 5 FLASHES

Motor overheated or possible RPM sensor failure. Unplug to reset.

### 6 FLASHES

Motor Circuit Failure. Replace Receiver Logic Board.

- **Symptom: One or both of the Indicator lights on the safety sensors do not glow steady.**
  - Inspect sensor wires for a short (staple in wire), correct wiring polarity (black/white wires reversed), broken or disconnected wires, replace/attach as needed.
  - Disconnect all wires from back of motor unit.
  - Remove sensors from brackets and shorten sensor wires to 1-2 ft. (30-60 cm) from back each of sensor.
  - Reattach sending eye to motor unit using shortened wires. If sending eye indicator light glows steadily, attach the receiving eye.
  - Align sensors, if the indicator lights glow replace the wires for the sensors. If the sensor indicator lights do not light, replace the safety sensors.
- **Symptom: LED is not lit on door control.**
  - Inspect door control/wires for a short (staple in wire), replace as needed.
  - Disconnect wires at door control, touch wires together. If motor unit activates, replace door control.
  - If motor unit does not activate, disconnect door control wires from motor unit. Momentarily short across red and white terminals with jumper wire. If motor unit activates, replace door control wires.
- **Symptom: Sending indicator light glows steadily, receiving indicator light is dim or flashing.**
  - Realign receiving eye sensor, clean lens and secure brackets.
  - Verify door track is firmly secured to wall and does not move.
- **Symptom: Motor has over heated; the motor unit does not operate or trolley is stuck on stop bolt = Motor unit hums briefly; RPM Sensor = Short travel 6-8" (15-20 cm).**
  - Unplug unit to reset. Try to operate motor unit, check diagnostic code.
  - If it is still flashing 5 times and motor unit moves 6-8" (15-20 cm), replace RPM sensor.
  - If motor unit does not operate, motor unit is overheated. Wait 30 minutes and retry. If motor unit still will not operate replace logic board.
- **Symptom: Motor unit does not operate.**
  - Replace logic board because motor rarely fails.

# PROGRAMMING

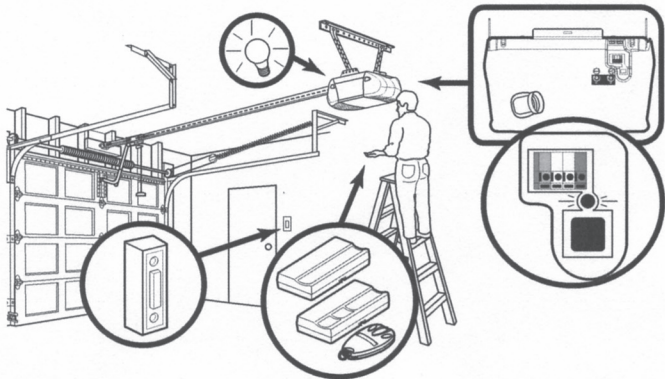
**NOTICE:** If this Security+® garage door opener is operated with a non-rolling code transmitter, the technical measure in the receiver of the garage door opener, which provides security against code-theft devices, will be circumvented. The owner of the copyright in the garage door opener does not authorize the purchaser or supplier of the non-rolling code transmitter to circumvent that technical measure.

Your garage door opener has already been programmed at the factory to operate with your hand-held remote control. The door will open and close when you press the large push button.

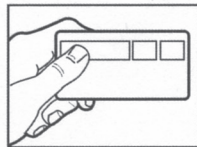
Below are instructions for programming your opener to operate with additional Security+® remote controls.

## To Add or Reprogram a Hand-held Remote Control

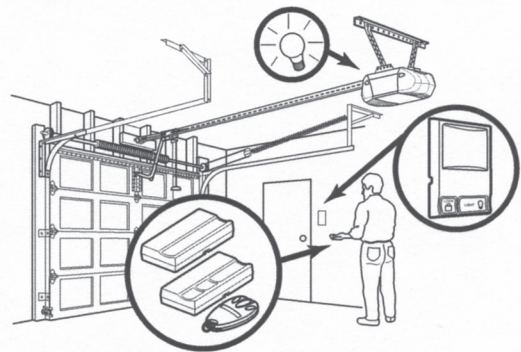
### USING THE "LEARN" BUTTON



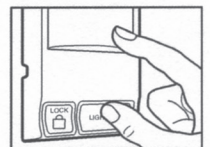
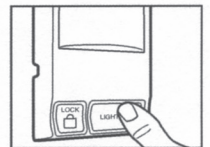
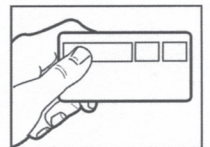
1. Press and release the "learn" button on the motor unit. The learn indicator light will glow steadily for 30 seconds.
2. Within 30 seconds, press and hold the button on the hand-held remote\* that you wish to operate your garage door.
3. Release the button when the motor unit lights blink. It has learned the code. If light bulbs are not installed, two clicks will be heard.



### USING THE MULTI-FUNCTION DOOR CONTROL



1. Press and hold the button on the hand-held remote\* that you wish to operate your garage door.
2. While holding the remote button, press and hold the LIGHT button on the Multi-Function Door Control.
3. Continue holding both buttons while you press the push bar on the Multi-Function Door Control (all three buttons are held).
4. Release buttons when the motor unit lights blink. It has learned the code. If light bulbs are not installed, two clicks will be heard.



### To Erase All Codes From Motor Unit Memory

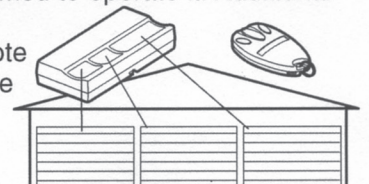
To deactivate any unwanted remote, first erase all codes:

Press and hold the "learn" button on motor unit until the learn indicator light goes out (approximately 6 seconds). All previous codes are now erased. Reprogram each remote or keyless entry you wish to use.



### \*3-Button Remotes

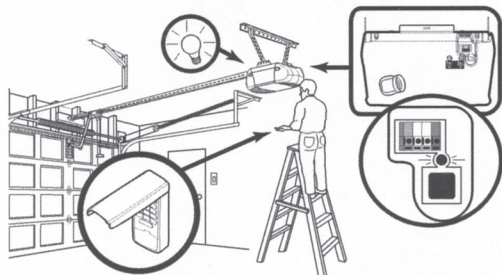
If provided with your garage door opener, the large button is factory programmed to operate it. Additional buttons on any Security+® 3-Button remote or compact remote can be programmed to operate other Security+® garage door openers.



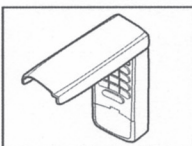
## To Add, Reprogram or Change a Keyless Entry PIN

**NOTE:** Your new Keyless Entry must be programmed to operate your garage door opener.

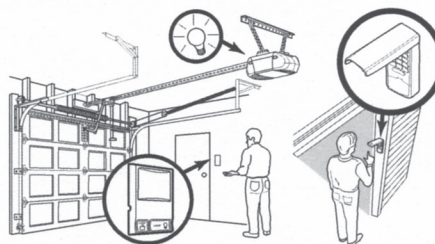
### USING THE "LEARN" BUTTON



1. Press and release the "learn" button on motor unit. The learn indicator light will glow steadily for 30 seconds.
2. Within 30 seconds, enter a four digit personal identification number (PIN) of your choice on the keypad. Then press and hold the ENTER button.
3. Release the button when the motor unit lights blink. It has learned the code. If light bulbs are not installed, two clicks will be heard.

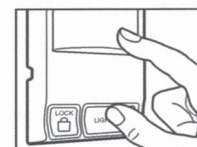
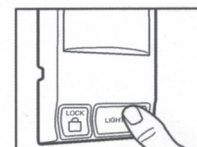
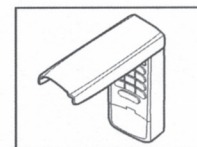


### USING THE MULTI-FUNCTION DOOR CONTROL



**NOTE:** This method requires two people if the Keyless Entry is already mounted outside the garage.

1. Enter a four digit personal identification number (PIN) of your choice on the keypad. Then press and hold ENTER.
2. While holding the ENTER button, press and hold the LIGHT button on the Multi-Function Door Control.
3. Continue holding the ENTER and LIGHT buttons while you press the push bar on the Multi-Function Door Control (all three buttons are held).
4. Release buttons when the motor unit lights blink. It has learned the code. If light bulbs are not installed, two clicks will be heard.



2. Press the temporary 4-digit PIN you have chosen, then press ENTER.  
The opener light will blink four times.
3. To set the number of **hours** this temporary PIN will work, press the number of hours (up to 255), then press \*.

**OR**

3. To set the number of **times** this temporary PIN will work, press the number of times (up to 255), then press #.  
The opener light will blink once when the temporary PIN has been learned.

Test by pressing the four buttons for the temporary PIN, then press ENTER. The door should move. If the temporary PIN was set to a certain number of openings, remember that the test has used up one opening. To clear the temporary password, repeat steps 1-3, setting the number of hours or times to 0 in step 3.

### To change an existing, known PIN

If the existing PIN is known, it may be changed by one person without using a ladder.

1. Press the four buttons for the present PIN, then press and hold the # button.

The opener light will blink twice. Release the # button.

2. Press the new 4-digit PIN you have chosen, then press ENTER.

The motor unit lights will blink once when the PIN has been learned.

Test by pressing the new PIN, then press ENTER. The door should move.

### To set a temporary PIN

You may authorize access by visitors or service people with a temporary 4-digit PIN. After a programmed number of hours or number of accesses, this temporary PIN expires and will no longer open the door. It can be used to close the door even after it has expired. To set a temporary PIN:

1. Press the four buttons for your personal entry PIN (not the last temporary PIN), then press and hold the \* button.

The opener light will blink three times. Release the button.

**One Button Close:** Opener can be closed by pressing only the ENTER button if the one button close feature has been activated. This feature has been activated at the factory. To activate or deactivate this feature press and hold buttons 1 and 9 for 10 seconds. The keypad will blink twice when the one button close is active. The keypad will blink four times when one button close is deactivated.