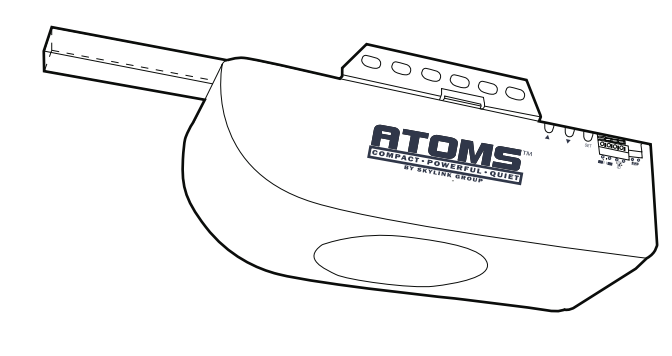


# ATOMS™ ATR/ANR Series GARAGE DOOR OPENER



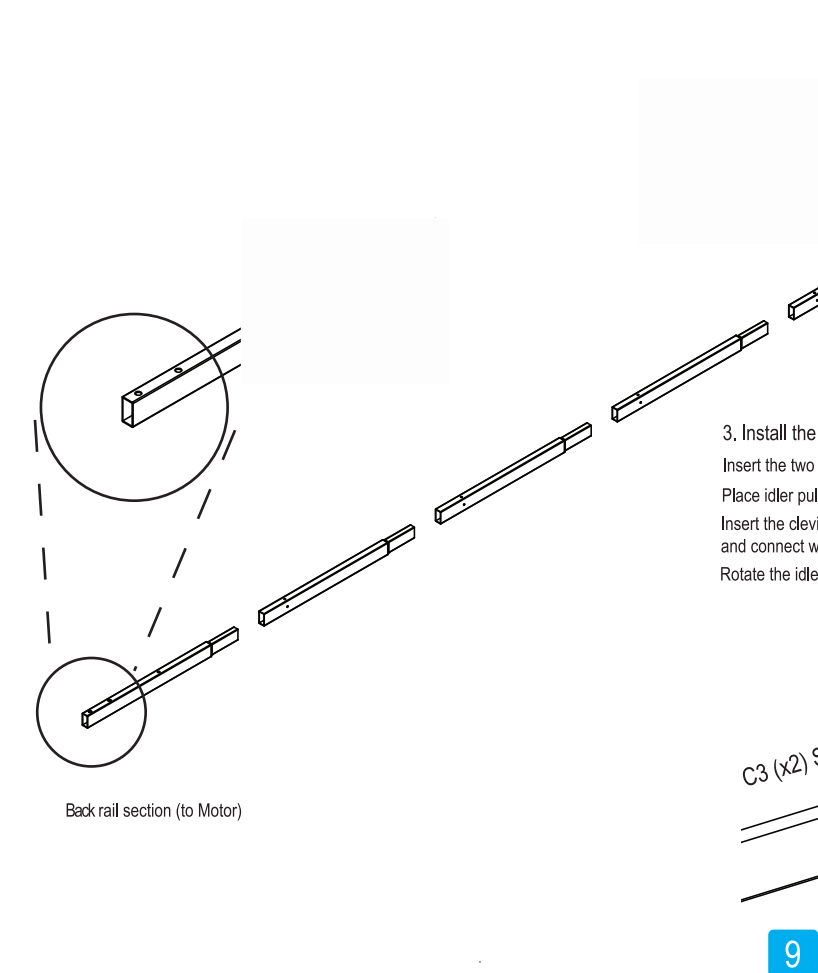
- IMPORTANT:**
- Please read this manual and enclosed safety materials carefully!
  - Safety Infrared Sensor **MUST BE INSTALLED** and aligned properly.
  - Periodic checks of the opener are required to ensure safe operation.
  - Save this manual for future reference.
  - This Equipment meets or exceeds all Federal, State and UL325 Safety Requirements.
  - For more information, updates and useful links, please visit our website <http://www.skylinkhome.com>

DO NOT RETURN TO THE STORE

ENGLISH  
P/N: 101Y457-001

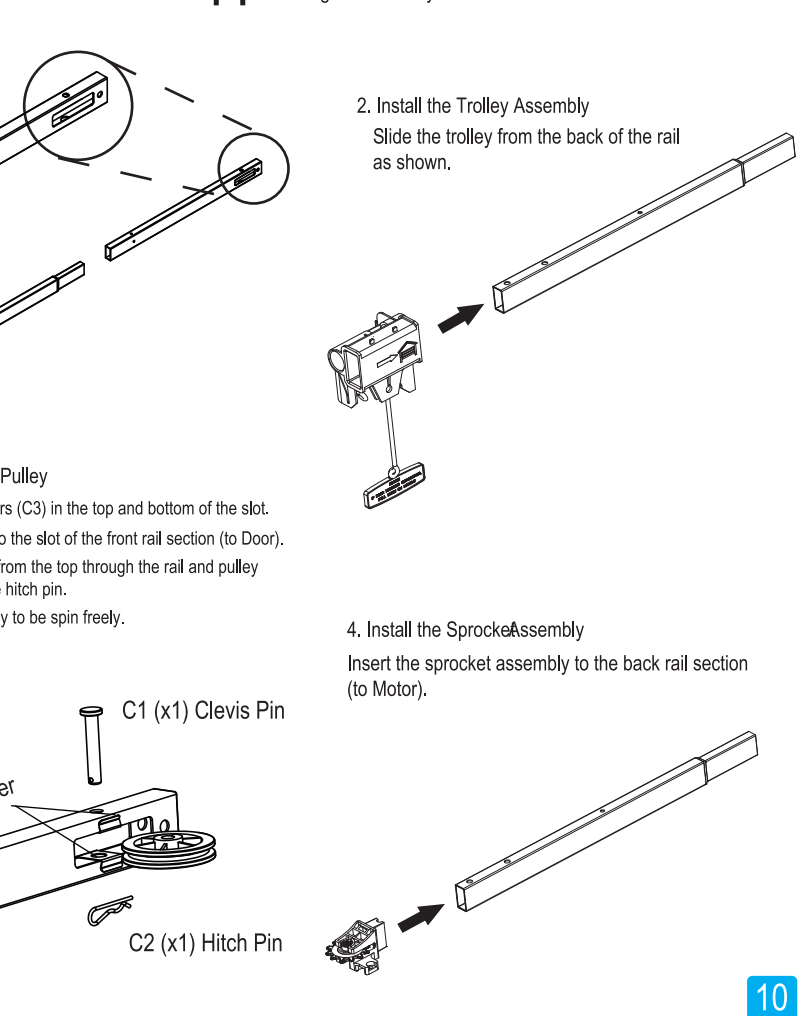
## ASSEMBLE THE RAIL

- Connect the Rail Sections  
Align the 6 Rail sections on the floor. Connect the rails together by sliding the taped ends to the untapped ends.



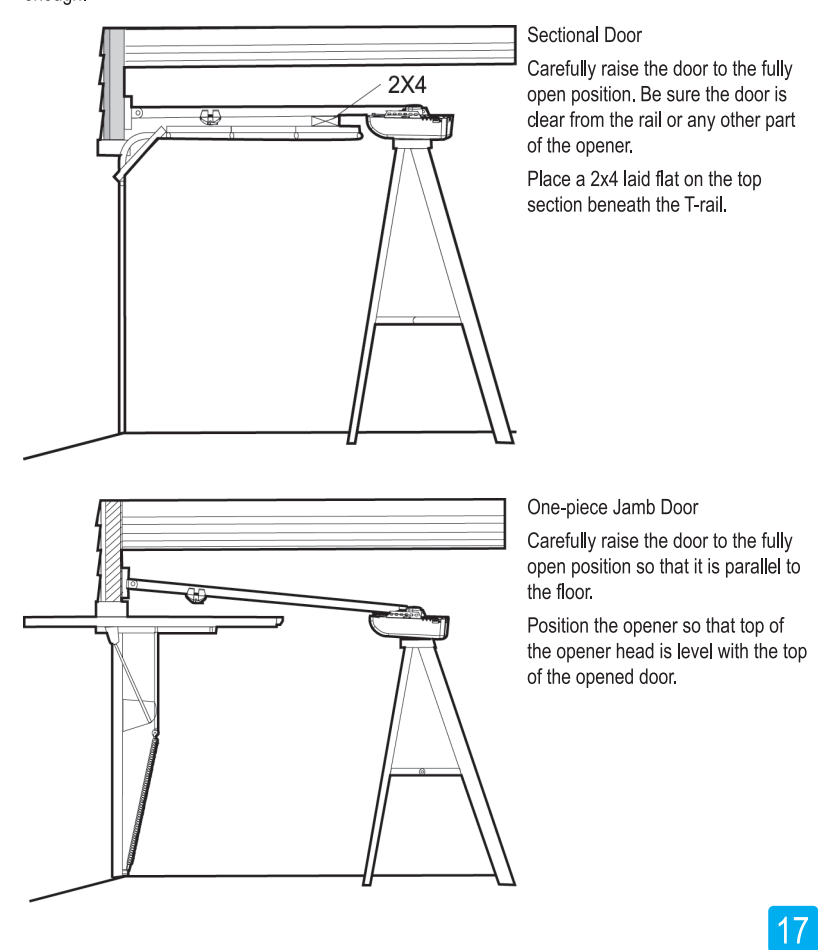
## ASSEMBLE THE RAIL

Please note the marking on the trolley which indicates this side to the door.



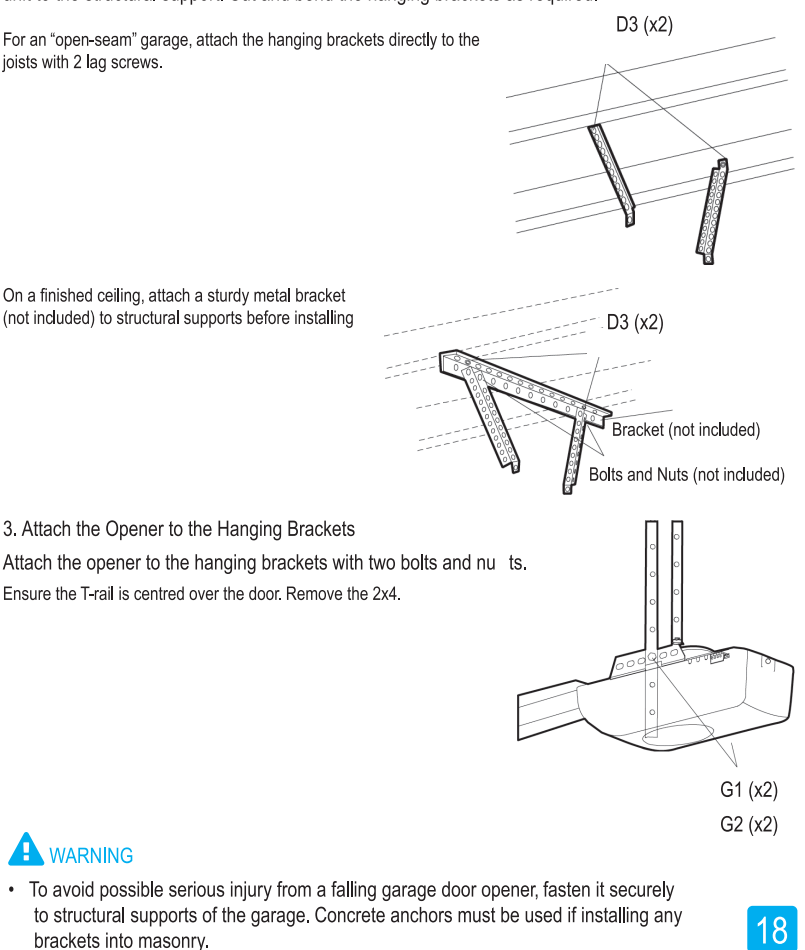
## HANG THE OPENER

- Raise the Opener  
Raise the opener onto a stepladder. Use extra spacers on top of the ladder if the ladder is not tall enough.



## HANG THE OPENER

- Attach the Hanging Brackets  
Hanging brackets should be angled to provide rigid support. Measure the distance from the motor unit to the structural support. Cut and bend the hanging brackets as required.

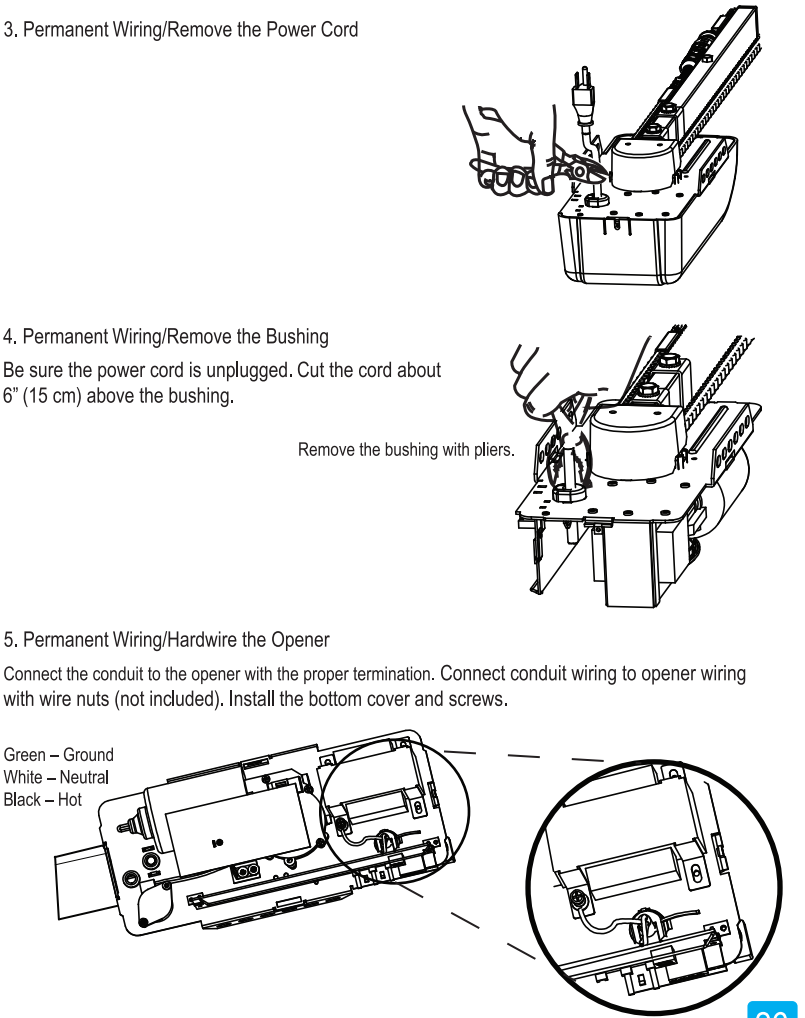


## CONNECT THE OPENER TO POWER

- Connect AC Power  
Plug motor unit into grounded outlet. If a grounded outlet is not available, contact a qualified electrician to install a proper outlet. **DO NOT ACTIVATE THE OPENER UNTIL INSTRUCTED.**
- Permanent Wiring/Remove Cover  
Be sure the power cord is unplugged. Remove the screws from the cover of the opener.
- Permanent Wiring/Remove the Bushing  
Remove the bushing with pliers.
- Permanent Wiring/Remove the Bushing  
Be sure the power cord is unplugged. Cut the cord about 6" (15 cm) above the bushing.
- Permanent Wiring/Hardware the Opener  
Connect the conduit to the opener with the proper termination. Connect conduit wiring to opener wiring with wire nuts (not included). Install the bottom cover and screws.

- WARNINGS**
- If permanent wiring is required by your local code, have a licensed electrical contractor follow the procedures outlined in this manual. Disconnect power to the circuit before removing cover.
  - Be sure power is not connected to the opener and disconnected power to circuit before removing cover to establish permanent wiring connection.
  - Garage door installation and wiring must be in compliance with all local electrical and building codes.
  - Never use an extension cord, 2-wire adaptor or change plug in any way to make it fit out. Be sure the opener is grounded.
  - The opener has a grounded type plug for your protection and only fit into a grounding type outlet. Do not change the plug in any way.

## CONNECT THE OPENER TO POWER



Congratulations on your purchase of Skylink Garage Door Opener, a garage door opener with many innovative features. Features include extremely quiet operation with DC motor; automatic force adjustment so the door can be closed with just the right amount of force; not overpowered; state of the art safety reversal systems that protect your family and property near the door.

**Important Safety Information**

This documentation provided with your opener has been carefully designed and organized to make the assembly, operation and continued maintenance of your product as easy and safe as possible, provided it is installed, operated, maintained and tested in strict accordance with the instructions and warnings contained in this manual. Read and follow all guidelines and operating instructions before the first use of this product. Store the manual in a safe, easily accessible location.

**Safety Symbol Overview**

**WARNING**

- This type of warning symbol is used to indicate possible mechanical hazards that may cause serious injuries or death.

**CAUTION**

- This type of warning symbol is used to indicate the possibility of damage to the garage door or opener.



## ASSEMBLE THE RAIL

- Attach the Rail to the Opener  
Raise the rail so the rail assembly can sit on the motor unit. Insert the sprocket assembly into the shaft of the motor. Tighten the sprocket assembly by 2 screws. Tighten the rail sections by 2 screws and mounting brackets on the motor unit. Insert a bolt to the stop bolt hole and secure it with nut.
- Garage Door Safety Label  
Affix this label to the inside of your garage.
- Prepare the Chain  
Lay down the chain on the floor, as shown. Do not twist the chain or cable.

## INSTALL THE DOOR BRACKET

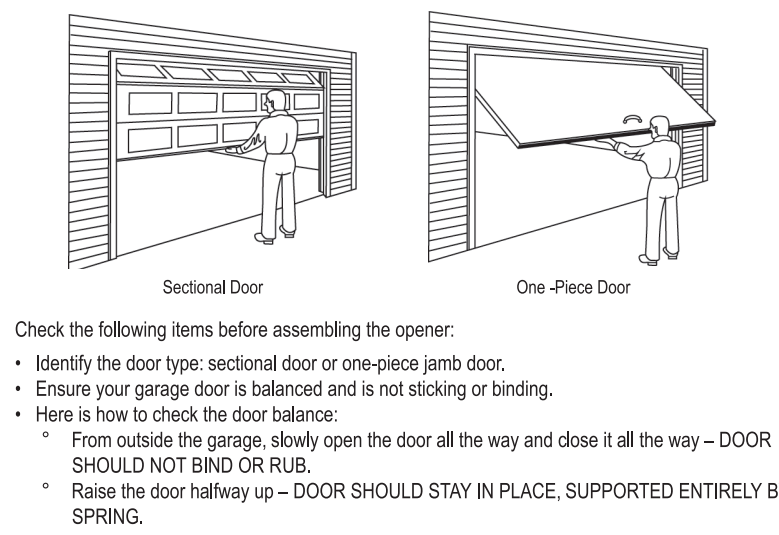
- Sectional Wood Doors  
For wood doors, drill 5/16" (8 mm) holes through the door and secure bracket with 5/16 x 2" (8 x 50 mm) carriage bolts, lock washers and nuts (not included).
- Sectional Metal Doors  
Align the door bracket on the centreline 2" to 4" (5 to 10 cm) below the top edge of the door, or directly below any door structural support. Drill two 3/16" (5 mm) pilot holes. Use 2 self-threading screws to secure the door bracket.

## INSTALL SAFETY BEAM SENSOR

- Mounting the Sensor on the Door Track  
Slide (1) and clip (2) the mounting bracket onto the garage door track. Ensure the sensor is mounted between 4" (10 cm) and 6" (15 cm) above the ground. Follow the same procedure to install the sensor on the other track ensuring the sensors are facing each other.
- Mounting the Sensor on the Wall (Optional)  
For wall mounting, use a wooden block to increase depth providing enough clearance for the sensor beam to be unobstructed.
- Mounting the Sensor on the Floor (Optional)  
For floor mounting, use a wooden block to elevate the sensor brackets, if necessary. Ensure the sensor is no higher than 6" (15 cm) above floor. Fasten the screws to the floor with concrete anchors (not included).

- WARNING**
- Avoid sunlight shining directly into the safety beam sensors.
  - The safety beam sensor must be installed and aligned properly.
  - This safety device must not be disabled.
  - The safety infrared sensor must not be installed higher than 6" (15 cm) above the garage floor.

## PRE-INSTALLATION CHECKLIST



- Check the following items before assembling the opener:
- Identify the door type: sectional door or one-piece jamb door.
  - Ensure your garage door is balanced and is not sticking or binding. Here is how to check the door balance:
    - From outside the garage, slowly open the door all the way and close it all the way – DOOR SHOULD NOT BIND OR RUS.
    - Raise the door halfway up – DOOR SHOULD STAY IN PLACE, SUPPORTED ENTIRELY BY ITS SPRING.

## ASSEMBLE THE RAIL

- Place the Cable on the Pulley  
Grasp the end of the trolley guide and pass the cable through the slot of the rail front end. Ensure cable is in contact with the idler pulley.
- Align the Chain on the Sprocket  
Wrap the chain around the sprocket. The sprocket must engage the chain as shown.
- Tighten the Chain  
Connect the 2 ends of the chain and cable with the chain connector (provided). Connect the 2 ends of the chain assembly together at the turnbuckle. Press and twist the two parts to secure together.

## INSTALL THE DOOR BRACKET

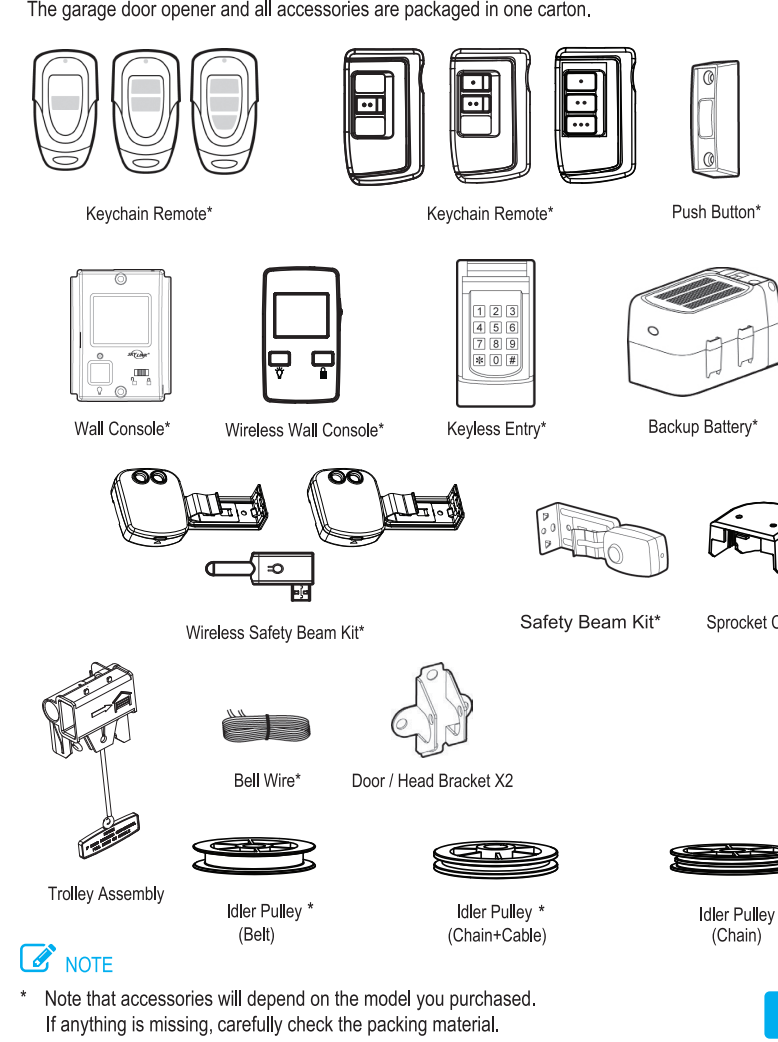
- Sectional Wood Doors  
For wood doors, drill 5/16" (8 mm) holes through the door and secure bracket with 5/16 x 2" (8 x 50 mm) carriage bolts, lock washers and nuts (not included).
- Sectional Metal Doors  
Align the door bracket on the centreline 2" to 4" (5 to 10 cm) below the top edge of the door, or directly below any door structural support. Drill two 3/16" (5 mm) pilot holes. Use 2 self-threading screws to secure the door bracket.

## INSTALL SAFETY BEAM SENSOR

- Mounting the Sensor on the Door Track  
Slide (1) and clip (2) the mounting bracket onto the garage door track. Ensure the sensor is mounted between 4" (10 cm) and 6" (15 cm) above the ground. Follow the same procedure to install the sensor on the other track ensuring the sensors are facing each other.
- Mounting the Sensor on the Wall (Optional)  
For wall mounting, use a wooden block to increase depth providing enough clearance for the sensor beam to be unobstructed.
- Mounting the Sensor on the Floor (Optional)  
For floor mounting, use a wooden block to elevate the sensor brackets, if necessary. Ensure the sensor is no higher than 6" (15 cm) above floor. Fasten the screws to the floor with concrete anchors (not included).

- WARNING**
- Avoid sunlight shining directly into the safety beam sensors.
  - The safety beam sensor must be installed and aligned properly.
  - This safety device must not be disabled.
  - The safety infrared sensor must not be installed higher than 6" (15 cm) above the garage floor.

## WHAT IS INCLUDED



## ASSEMBLE THE RAIL

- To avoid twisting the cable, insert the hook (provided) to the chain and then place on the rail.
- Hold the hook and hand tighten the turnbuckle by rotating the turnbuckle. Remove the hook after tightening the chain or belt tension properly.
- Twist the turnbuckle to tighten the chain tension until the chain is 1/3" (8mm) above the base of the rail.
- Remove the "U" pin from the turnbuckle after tighten the chain tension properly.
- Attaching the Sprocket Cover  
Squeeze the cover slightly and insert the 2 tabs on the cover in the slots on the motor unit.

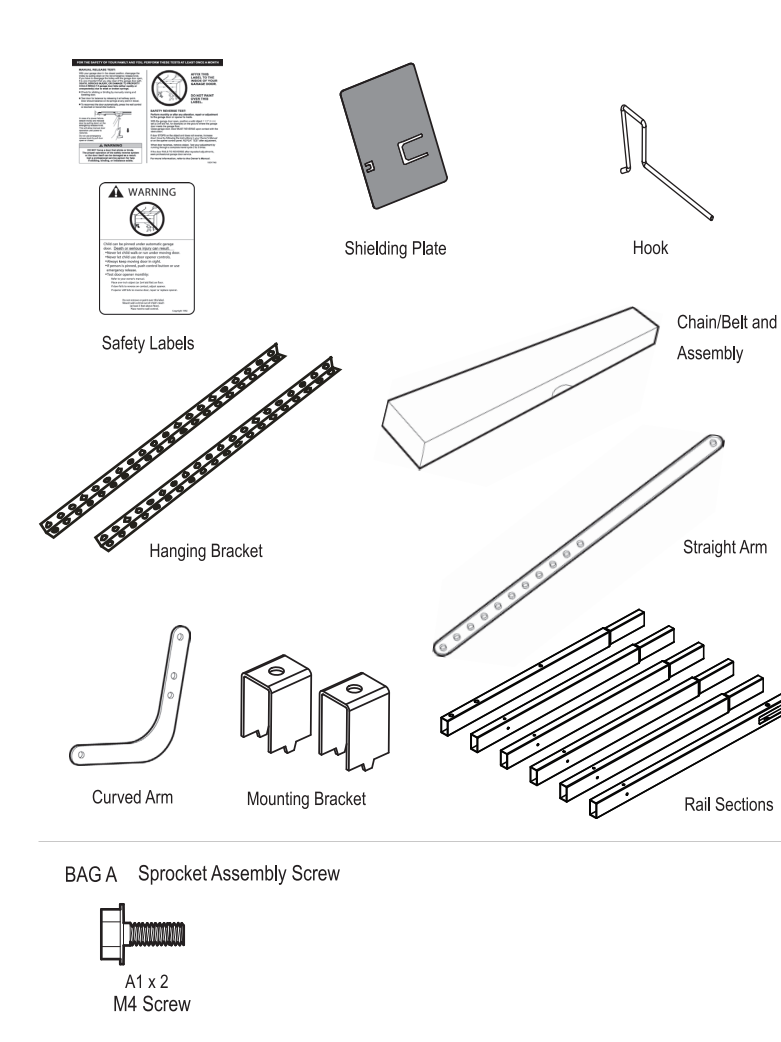
## INSTALL THE DOOR ARMS

- Attach Emergency Release Rope  
Thread the red rope through the hole in the trolley release handle and tie an over-hand knot. Leave the trolley release lever in the released position until further testing is completed.
- Connect the Door Arm to Door Bracket  
Sectional Door  
Connect the curved door arm to the door bracket with devils pin and hitch pin.
- One-piece Jamb Door  
Connect the straight arm to the door bracket with devils pin and hitch pin.

## INSTALL SAFETY BEAM SENSOR

- NOTE**
- Remove the spring bracket from the mounting bracket if installing to the wall or floor.
  - Slide the sensor from the mounting bracket.
  - Slide the spring bracket from the mounting bracket.
  - Re-install and secure the sensor to the mounting bracket.
- 6. Align the Wireless Safety Beam Sensor (Master unit).**
- Press the "SET" button once on the Wireless Safety Beam Sensor (Master unit).
  - The blue LED flashes quickly.
  - Slide the mounting bracket up or down or can also be adjusted by a slight bend if needed for alignment.
  - Once the Wireless Safety Beam Sensor is aligned properly, the blue LED will stay on. The sensors will return to normal operation after stable for 10 seconds.
- Align the sensors**
- Master sensor unit      Slave sensor unit
- | Light Status | Master unit | Slave unit | Action                                   |
|--------------|-------------|------------|--|
| OFF          | OFF         | OFF        | -Alignment is required - Replace battery |
| ON           | ON          | ON         | -The door is closing                     |
- NOTE**
- Be sure to stay out of the beam's path while aligning.

## WHAT IS INCLUDED



## INSTALL THE HEADER BRACKET

- Mark the Door Centreline  
Close the door from inside the garage and mark the vertical centreline of the door on the wall and the top door panel.
- Mark Above the Highest Point of Travel  
Close the door from inside the garage and mark the vertical centreline of the door on the wall and the top door panel.
- Attach the Header Bracket  
Place the bottom edge of the bracket on the line marked above 1. The highest point of travel.

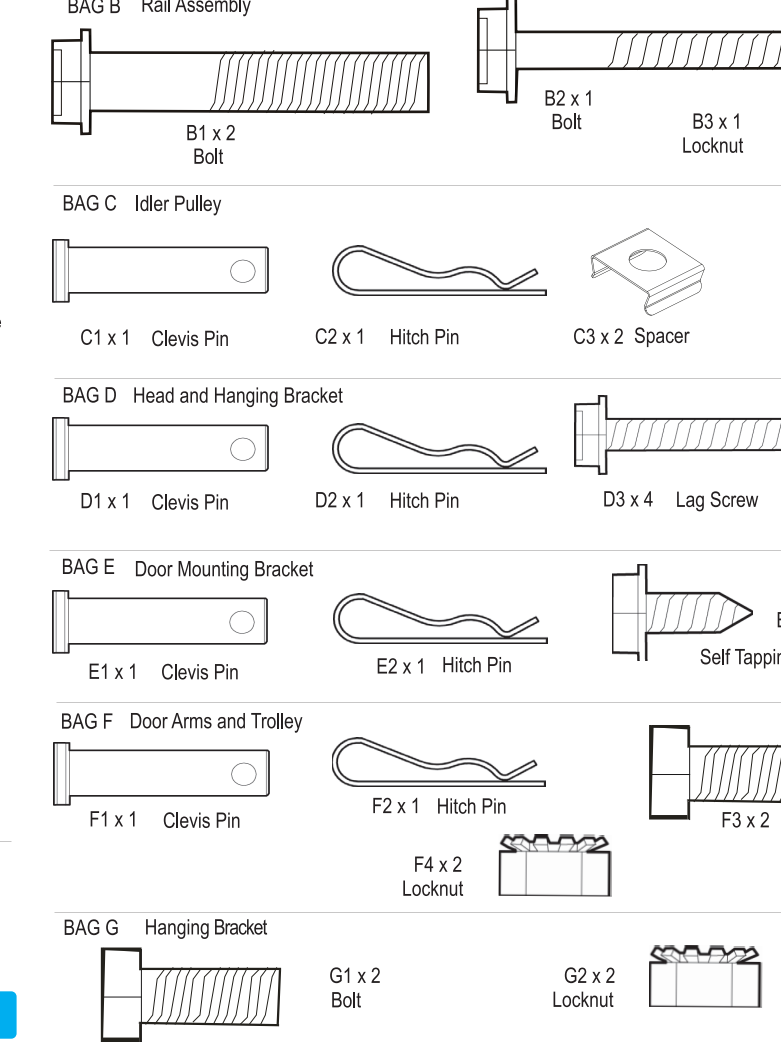
## INSTALL THE DOOR ARMS

- Connect the Door Arm to the Trolley  
Sectional Door  
Connect the straight door arm to the trolley with devils pin and hitch pin.
- One-piece Jamb Door  
Connect the curved door arm to the trolley with devils pin and hitch pin.
- Connect the Door Arms Together  
Bring two arms together. Find two pairs of holes that line up and join 2 arms with bolts and nuts. Select holes as far apart as possible to increase door arm rigidity.

## INSTALL SAFETY BEAM SENSOR

- NOTE:**
- Emergency release handle should hang 6" (1.8 m) above floor. Adjust rope length if it is necessary.
- WARNING**
- Use extreme care when pulling release handle. DO NOT use handle to pull door open or close.
  - Never use emergency release handle unless garage doorway is clear of persons and obstructions.
- Setup the Radio Module**
- Unplug the power cord of your garage door opener before installation.
  - Insert the Radio Module to the socket in the garage door opener.
  - Power up the garage door opener.
  - Press the [SET] button on the Radio Module once, its green LED will flash indicating the Radio Module is ready to use.
- Programming the Wireless Safety Beam Sensor**
- Press and release the [SET] button on the Radio Module.
  - The green LED will flash for 15 seconds.
  - Press and hold the [SET] button on the Wireless Safety Beam Sensor (Master unit) for 5 seconds.
  - The blue LED in the Wireless Safety Beam Sensor will flash slowly. Release the [SET] button.

## WHAT IS INCLUDED



## INSTALL THE HEADER BRACKET

- Attach a 2x4 (if necessary)  
If the calculated header bracket is above the door header, attach a 2x4 between two studs to install the header bracket.
- Attach the Header Bracket  
Place the bottom edge of the bracket on the line marked above 1. The highest point of travel.
- Attach the Header Bracket  
Place the bottom edge of the bracket on the line marked above 1. The highest point of travel.

## INSTALL THE WALL BUTTON/CONSOLE FOR ATOMS™

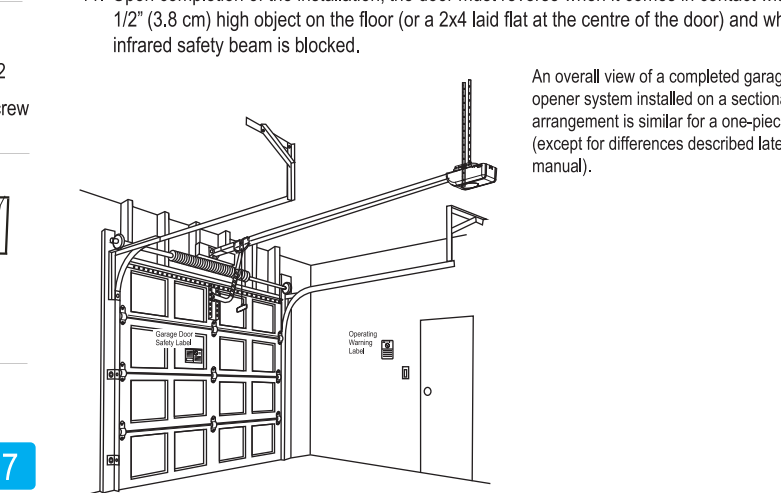
- Location  
Place the wall button or wall console or wireless Wall Console at least 5" (1.5 m) above the finished floor or the topmost step.
- Connection with Garage Door Opener  
a. Wireless Wall Console, refer to Programming Guide section (Page 34) to communicate with the Garage Door Opener.  
b. Wired Wall Button or Wall Console, connect the bell wires to the 2 terminal screws. Wires are not polarity sensitive.

## INSTALL SAFETY BEAM SENSOR

- Once the Wireless Safety Beam sensor is programmed, both the green LED on the Radio Module and the blue LED on the Wireless Safety Beam sensor will flash once. This is indicating you have successfully programmed the Wireless Safety Beam sensor to the Radio Module.
- Mount the shielded Wireless Safety Beam sensor back to back on the door tracks.
- Align each pair of the Wireless Safety Beam sensors, refer to the instructions in page 29.

## IMPORTANT INSTRUCTIONS

- To reduce the risk of severe injury or death:
- READ AND FOLLOW ALL INSTALLATION INSTRUCTIONS.
  - Check with the door manufacturer to determine if additional reinforcement is required to support the door prior to installation of the garage door opener.
  - Install garage door opener only on a properly balanced garage door. An improperly balanced door could cause serious injury. Have a qualified service professional make repairs to balance doors, spring assemblies and other hardware before installing the opener.
  - Remove all ropes and disable all locks connected to the garage door before installing opener.
  - Mount the emergency release handle 6" (1.8 m) above this manual.
  - Do not connect the opener to sources of power until this manual instructs you to do so.
  - Locate the wall console or wall console:
    - Within sight of the garage door.
    - Out of reach of children at minimum height of 5' (1.5 m).
    - Away from all moving parts of the door.
  - Place entrapment warning label on wall next to garage door wall control.
  - Install the Emergency Release Handle on the emergency release rope.
  - Place manual release/safety reverse test label in plain view on inside of garage door.
  - Upon completion of the installation, the door must reverse when it comes in contact with a 1 1/2" (3.8 cm) high object on the floor or a 2x4 flat laid at the centre of the door) and when the infrared safety beam is blocked.



## INSTALL THE HEADER BRACKET

- Position The Opener  
Position the pulley bracket against the header bracket.
- Connect the Rail to the Header Bracket  
Align the bracket holes and join with a devils pin and hitch pin as shown.

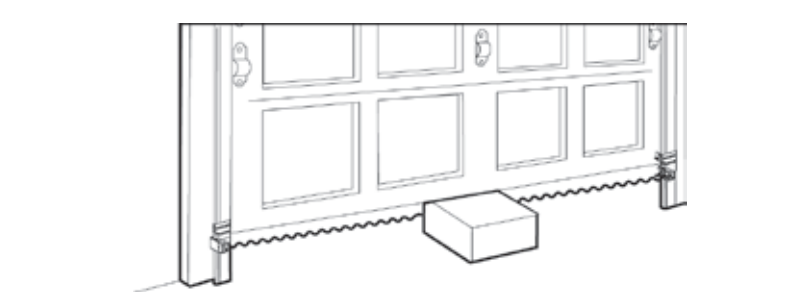
## INSTALL THE WALL BUTTON/CONSOLE FOR ATOMS™

- Wall Console must be secured to structural supports. If appropriate support does not exist, install a new support using 2x4 board on drywall or between 2 studs with lag screws (not included). DO NOT install header bracket over drywall.
- Concrete anchors must be used if mounting header bracket or 2x4 into masonry.
- Always call a trained door systems technician if garage door tracks, sticks, or is out of balance. An unbalanced garage door might not reverse when required.

## INSTALL SAFETY BEAM SENSOR

- Once the Wireless Safety Beam sensor is programmed, both the green LED on the Radio Module and the blue LED on the Wireless Safety Beam sensor will flash once. This is indicating you have successfully programmed the Wireless Safety Beam sensor to the Radio Module.
- Mount the shielded Wireless Safety Beam sensor back to back on the door tracks.
- Align each pair of the Wireless Safety Beam sensors, refer to the instructions in page 29.

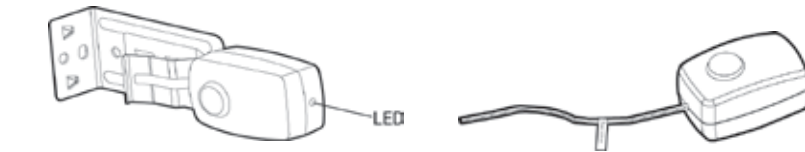
## INSTALL SAFETY BEAM SENSOR



Important Information: The safety beam sensor can detect obstacles in the path of its invisible beam. When the beam is obstructed while the door is closing, the door will stop immediately, reverse to the fully open position and the opener lights will flash. It is important to ensure the invisible infrared is unobstructed by any part of the garage door, tracks, other hardware or objects near the garage door.

### Install Wired Safety Beam Sensor (Optional)

1. Identify the Transmitter and the Receiver  
The unit with the red LED is the transmitting sensor. The unit with the blue LED is the receiving sensor. Avoid sunlight shining directly into the receiving sensor.



- NOTE**
- Receiving sensor is labelled "Receive" on the wire.
- WARNING**
- Be sure power is not connected to the garage door opener while installing the safety beam sensor.
  - The safety beam sensor must be installed and aligned properly.
  - This safety device must not be disabled.
  - The safety infrared sensor must not be installed higher than 6" (15 cm) above the garage floor.

## INSTALL SAFETY BEAM SENSOR

### 2. Mounting the Sensor on the Door Track

Clip the mounting bracket onto the garage door track. Ensure the sensor is mounted between 4" (10 cm) and 6" (15 cm) above the ground. Follow the same procedure to install the sensor on the other track ensuring the sensors are facing each other.

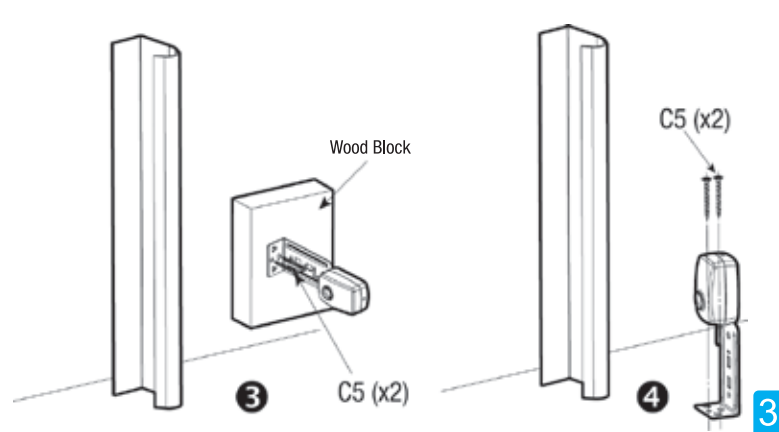


### 3. Mounting the Sensor on the Wall (Optional)

For wall mounting, use a wooden block to increase depth providing enough clearance for the sensor beam to be unobstructed.

### 4. Mounting the Sensor on the Floor (Optional)

For floor mounting, use a wooden block to elevate the sensor brackets, if necessary. Ensure the sensor is no higher than 6" (15 cm) above floor. Fasten the screws to the floor with concrete anchors (not included).



## INSTALL SAFETY BEAM SENSOR

### NOTE

- Remove the spring bracket from the mounting bracket if installing to the wall or floor.
- Slide the sensor from the mounting bracket.
- Slide the spring bracket from the mounting bracket.
- Re-install and secure the sensor to the mounting bracket.

### 5. Route and Secure the Sensor Wires

Run the wires up the wall, then over to the centre of the door. Secure the wires to the wall with wire holders. Run the wires along the top of the T-rail and secure them with 4 wire clips provided.



### 6. Connect the Wires to the Opener

Twist like-coloured wires together. Connect the wires to the terminals. Wires are not polarity sensitive (either wire to either terminal).



## INSTALL SAFETY BEAM SENSOR

### 7. Check the Safety Beam Sensor LED

Plug in the opener. The receiving sensor indicator's blue LED should glow steadily if the wiring and alignment are correct. The transmitting sensor indicator's red LED will glow steadily regardless of alignment or obstruction.



### 8. Align the Safety Beam Sensor

If the receiver LED is off, dim, or flickering (while the invisible light beam path is not obstructed), alignment is required.



Receiving Sensor (Blue LED)  
Blue Light:  
On - Beam Aligned. No Obstructions.  
Off - Beam Not Aligned Or Obstruction - Sensors Need Alignment.  
Dim/Flickering - Sensors Need Alignment.

Transmitting Sensor (Red LED)  
Red Light:  
On - Power On.  
Off - Power Off.

If the blue LED is flashing or off, slide the mounting bracket up or down on the track until the blue LED is steadily on. The tab for the sensor can also be adjusted by a slight bend if needed for alignment. When properly adjusted both the red and blue LED will be steadily on. After two minutes the sensors will go into sleep mode and the red and blue LED will flash every 10 seconds. When the door is closing, the sensors will return to normal operation with red and blue LED steadily on.

- NOTE**
- Be sure to stay out of the beam's path while aligning.
  - The LED in the safety beam sensors will flash in every 10 seconds during standby mode.

## INSTALL SAFETY BEAM SENSOR

### 9. Testing with Obstruction

With the sensors properly aligned, place an obstacle in the path of the beam. The transmitting sensor's red LED should be on, the receiving sensor's blue LED should be off. Remove the obstacle, both LEDs should be on steadily.



### NOTE

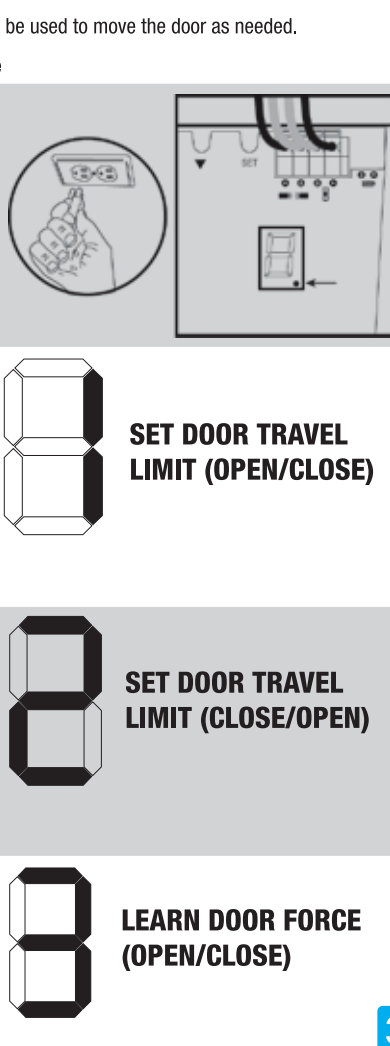
- If the transmitting sensor LED does not glow steadily, check the following:
  - Power to the opener is connected.
  - A short in the white or white/red wires (from wire holders or at the opener terminals).
  - Incorrect wiring between sensors and opener.
  - A broken wire.
- If the transmitting sensor LED glows steadily but the receiving sensor LED doesn't glow:
  - Check alignment.
  - Check for an open wire to the receiving sensor.
  - Check for dirt on lens, or sun shining into lens.

## PROGRAMMING GUIDE - ATOMS™

While programming, the ▲ and ▼ buttons can be used to move the door as needed.

### A. Set Up Travel Limit and Open/Close Force

- Connect the opener to an approved power source. The dot in the LED display stays on.
- Press and hold [Set] button for 5 seconds until the LED display shows the number "1". Release the [Set] button.
- Press the [▲] button until the door is in fully open position.
- Press the [Set] button to confirm the door position.
- The LED display will show the number "2".
- Press the [▼] button until the door is in fully closed position.
- Press the [Set] button again to confirm.
- The LED light will flash 3 times when the travel limit settings are completed.
- The LED display will show the number "3".
- Press the wall button to open the garage door to its fully open position.
- The LED light will flash 3 times.



## PROGRAMMING GUIDE - ATOMS™

### B. Programming Remote Controls

- Press the [Set] button for one second. The LED display will show the letter "P".
- Program a Remote: Within 30 seconds, press any button on the remote that you would like to program to the opener.
- Program a Wireless Wall Console: Within 2 minutes, press the Garage Door Open/Close Button.
- Once the button on the remote is programmed, the LED display will turn off and emit one beep indicating the programming has been successful.

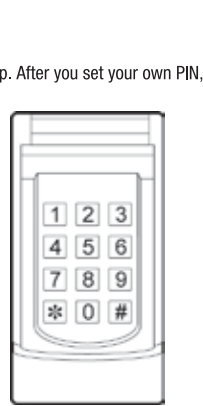


## PROGRAMMING GUIDE - ATOMS™

### C. Keypad Initial Setup

The factory default PIN is 0 0 0 0. It will be used during the keypad initial setup. After you set your own PIN, you will need to use your current PIN instead of 0 0 0 0 in below steps.

- FOR SINGLE DOOR:
  - Enter 0 0 0 0 and #.
  - Enter the new PIN (2 to 8 digit password) and #.
  - Enter your PIN again and #.
  - If the new PIN codes are the same, the keypad will beep 3 times. If not, it will emit a long beep.
  - Press the [SET] Button on the keypad.
  - Within 2 minutes, enter your PIN on the keypad and press #.
  - Now enter your PIN and # to open/close the garage door.



## PROGRAMMING GUIDE - ATOMS™

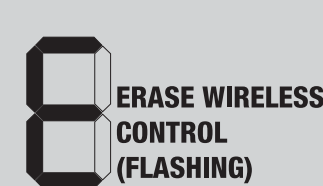
### 2. FOR MULTIPLE DOORS:

- Enter 0 0 0 0 and # 9 to enable multiple door mode. (0 0 0 0 # 0 to disable and back to single door). Will beep 2 times to confirm the multiple-door operating mode is enabled.
- Enter 0 0 0 0 and #.
- Enter the new PIN and press #.
- Enter your PIN again and press #.
- Press the [SET] Button on the opener.
- Within 2 minutes, enter your PIN on the keypad and press # 1.
- Now enter your PIN and # 1 to open/close the garage door.
- Repeat steps # 2 to # 6 to program additional doors:
  - 2nd door: PIN #2, ex. 1 2 3 4 #2
  - 3rd door: PIN #3, ex. 1 2 3 4 #3

### E. Erasing all the Remote Controls from Opener

Note: To erase any unwanted remote controls, first erase all remotes.

- Press the [Set] button for 15 seconds. When the LED display flashes "E", release the [Set] button.
- Press the [Set] button again to confirm all the programmed remotes have been erased.
- The dot in the LED display stays on indicating that erasing the programmed remotes has been successful.



## SAFETY TEST

### Test Safety Reversal System

With the door fully open, place a 1 1/2" (3.8 cm) board (or 2x4 laid flat) on the floor, centred under the garage door. Close the door by pressing the button on the wall console. After making contact with the board, the door should stop then reverse to a fully open position.

- If the door fails to reverse:
  - If the door stops on the obstruction, re-adjust the down travel limit as it is not travelling far enough in the down direction.
  - Repeat the test until the door reverses upon striking the obstruction.

### Test Safety Beam Sensor System

To test the safety beam sensor system, open the door to the fully open position.

- Place an obstacle (such as the opener carton) to break the safety infrared beam.
- Press the push button to close the door.
- The door should not move more than 1" (2.5 cm), and the opener light will flash. If this does not happen:
  - Ensure the safety beam sensors are aligned properly (refer to "Install Safety Beam Sensor System").
  - Ensure the obstacle is breaking the beam by checking the receiving sensor's blue LED is off.
  - If everything fails, call for a trained door systems technician.

### WARNING

- Without a properly installed safety reversing sensor, persons (particularly small children) could be seriously injured or killed by a closing garage door.

## OPERATIONS - ATOMS™

### Important Safety Instructions

#### WARNING

- READ AND FOLLOW ALL INSTRUCTIONS CAREFULLY.
- NEVER let children operate or play with any garage door controls or remote controls. Always keep these controls away from children.
- Always keep moving door in sight and away from people and objects until it is completely closed. NO ONE SHOULD CROSS THE PATH OF THE MOVING DOOR.
- Only activate garage door when it can be seen clearly, is properly adjusted and there are no obstructions to door travel.
- NEVER GO UNDER A STOPPED, PARTIALLY OPEN DOOR.
- Test the door opener monthly. The garage door MUST reverse on contact with a 1/2" (4 cm) high object (2x4 laid flat) on the floor. Retest the door opener after adjusting the travel limits. Failure to adjust the opener properly may cause severe injury or death.
- Use the emergency release only when the door is closed. Use caution when using this release with the door open. Weak or broken springs may allow the door to fall rapidly, causing severe injury or death.
- Never use the emergency release rope to pull garage door open or closed. If the rope knot becomes untied, you could fall.
- KEEP GARAGE DOORS PROPERLY BALANCED. (See "Garage Door Opener Maintenance") An improperly balanced door could cause severe injury or death. Have a qualified service professional make repairs to cables, spring assembly and other hardware.
- Disconnect the electrical power to the garage door opener before making any repairs or removing the housing cover.
- 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.

## OPERATIONS - ATOMS™

### Operating the Opener

Activate your opener with any of the following:

- Press the wall console
- Press the assigned button on the remote control

The opener will beep and flash light once to acknowledge receiving the operation.

Depends on the status of the garage door opener and the position of the garage door, the garage door opener behaves differently:

- If the door is closed, activating it will open the door.
- If the door is open, activating it will close the door.
- If the door is closing, activating it will stop the door.
- If the door is opening, activating it will stop the door.

If the door is obstructed during operation, the garage door opener will:

- If obstructed while opening, the door will stop.
- If obstructed while closing, the door will reverse.
- The opener light will flash if the opener is obstructed during operation.

### Opener Light

The opener light will turn on:

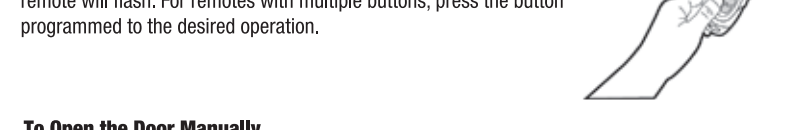
- When the opener is plugged in (light will be off automatically after 3 minutes)
- When the opener is activated (light will be off automatically after 3 minutes)
- The light button is pressed on the wall console.

You can manually switch the light ON or OFF by pressing the Light Button on.

## OPERATIONS - ATOMS™

### Remote Control

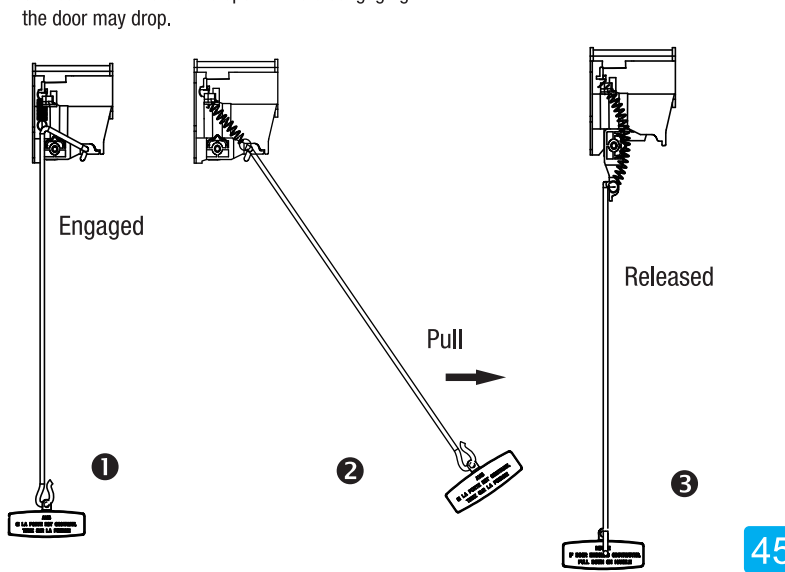
To activate the opener with the remote control, hold down the button until the door begins to move. When the button is pressed, the light indicator on the remote will flash. For remotes with multiple buttons, press the button programmed to the desired operation.



### To Open the Door Manually

In case of a power failure or if the door becomes obstructed, pull the red trolley release handle to disengage the opener from the door.

- Flip the trolley release level up and raise or lower the door to re-engage the opener.
- Use caution if the door is open while disengaging the door may drop.



## MAINTENANCE

### Once a Month

Test the door balance. 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. Test the Safety Beam Sensor System and Safety Reversal Test.

### Once Every Six Months

Check the Chain Tension. Turnbuckle should be slightly above the rail. Refers to page 12 to adjust the chain tension.

### Once a Year

Oil the door rollers, bearings and hinges.

### Battery Replacement

All remotes come with battery installed. To replace the battery, follow the instructions below. It is time to change the battery when the red LED on the remote does not turn on when either button is pressed.

### To replace the battery:

- Undo the two screws on the back of the remote. The bottom case will then come off.
- Take out the old battery.
- Place the new battery in position.
- Close the cover and reinsert two screws.

To install or replace the battery in the Safety Beam Sensor, follow the instructions below.

It is time to change the battery when the LED on the safety beam sensor being flashed every 10 seconds. And the light in the Opener will flash when the door is started closing.

### To replace the battery:

- Undo the screw on the back of the sensor.
- Take out the old batteries.
- Place the new batteries in position.
- Close the cover and reinsert the screws.



Lithium battery CR-2032 included. (Positive side up).

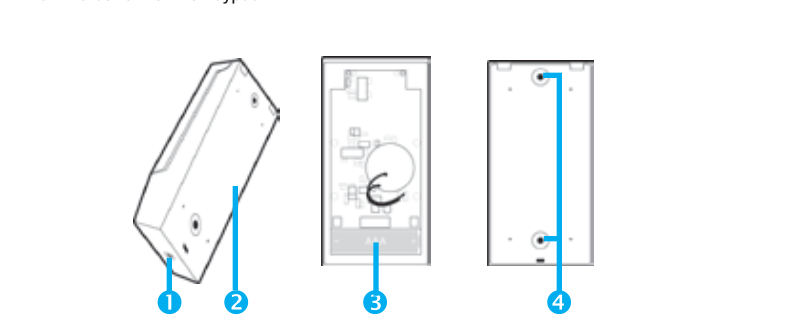


Batteries AA size (sold separately).

## MAINTENANCE

### Install Keypad and Battery

- Undo the screw on the bottom side of the keypad.
- Remove the back cover.
- Install a AAA battery (1.5V Alkaline type).
- Mount the back cover with the mounting accessories.
- Attach the keypad on the back cover and tighten the screws on the bottom of the keypad.



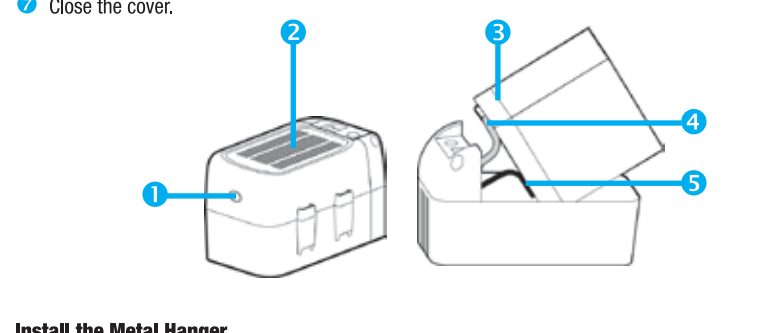
### WARNING

- To prevent possible serious injury or death:
  - Never allow small children near batteries.
  - If battery is swallowed, immediately notify doctor.
  - Dispose of old battery promptly and properly.

## BACKUP BATTERY

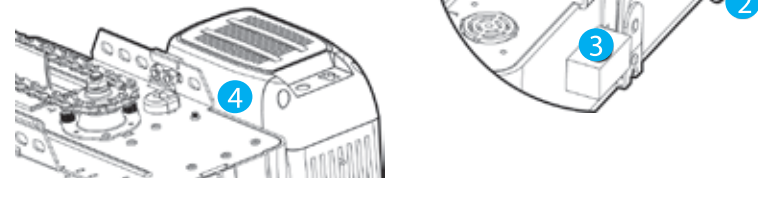
### Backup Battery

- Press the latch inward to release the cover.
- Remove the cover.
- Take out the battery and connect the wires to the battery terminal tabs, being careful to match the polarity.
- Red wire connects to red terminal tab (+).
- Black wire connects to the black terminal tab (-).
- Place the battery back into the battery compartment.
- Close the cover.



### Install the Metal Hanger

- Unplug the garage door opener from power before proceeding.
- Use the screws and nuts to mount the metal hanger to the operator mounting plate.
- Affix a cushion at the side of the hanger.
- Install the backup battery unit to the metal hanger.



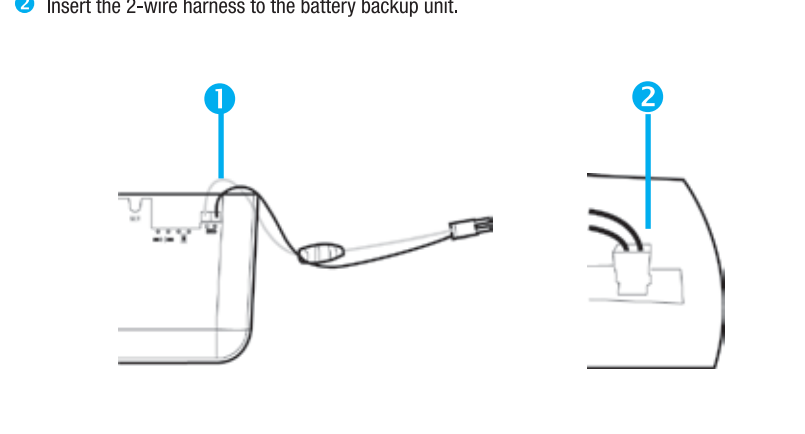
## BACKUP BATTERY

### NOTE

- These steps must be performed in this exact order very carefully to prevent a short in the battery by accident.

### Connecting the backup battery unit to the garage door opener unit

- Connect the 2-wire harness to the garage door opener unit.
- Insert the 2-wire harness to the battery backup unit.



### Testing the Battery

- Turn on the battery backup switch.
- Unplug the garage door opener from the AC power.
- Activate the garage door opener. (The lamp in the garage opener will not light up)
- Plug the garage door opener back in.

### NOTE

- The battery backup must be fully charged for 24 hours before testing or operation.

## BACKUP BATTERY

### Battery Status

Turn on the backup battery switch, and connect the backup battery with the GDO correctly.

LIGHT STATUS	BACKUP BATTERY STATUS	ACTION
Red LED flashing slowly.	Ready to use. Not being charged by the GDO.	Secure the connection between the backup battery and the GDO. Plug the GDO to an AC outlet.
Red LED staying on.	Weak. Not being charged by the GDO.	Secure the connection between the backup battery and the GDO. Plug the GDO to an AC outlet.
Blue LED flashing slowly.	Being charged by the GDO.	Keep charging.
Blue LED staying on.	Fully charged.	Ready to use.
Blue LED flashing quickly and white LED flashing slowly.	Switch is off or the battery is not connected.	Turn on the backup battery switch. Check the connection between the battery and its compartment.
White LED staying ON.	Garage door opener is activated with power supply of the backup battery.	The white LED will be delayed off after GDO is no longer activated.

### Charging the Battery

- The battery unit will take 24 hours to fully charge. A fully-charged battery provides 24 V DC to the garage door opener for 1 to 2 days of normal operation during AC power outages. When the battery level drops too low, the battery unit will no longer operate.
- Plug the AC adaptor (provided) into an AC outlet, then plug the output jack to the battery backup unit to charge it. Refer to the lights indication section above to check the battery status. The battery life is about 3 to 5 years for normal usage.
- To obtain maximum battery life and prevent any damage, turn off the battery backup unit when the garage door opener is unplugged for a long period of time.

### NOTE

- Door operation may be limited if the battery is not fully charged, or the Backup Battery light may not turn on during battery operation.

## TROUBLESHOOTING

LED LIGHT FLASHING	LED DISPLAY FLASHING	SYMPTOM	SOLUTION
3 Flashes		The wall console is in lock mode. The remote controls are deactivated.	Unlock the wall console.
6 Flashes		Obstruction detected.	Check if something obstructing the door. Re-adjust the travel limits. Re-adjust the opening and closing force.
10 Flashes		Safety beam sensor blocked.	Check if the safety beam sensor is misaligned. Check if any obstacle is interfering with the beam path.
15 Flashes		The door is not fully open or fully closed.	Check if something is obstructing the door. Re-adjust the travel limits. Re-adjust the opening and closing force.
Continuous Flashing		Wall console wire shorted.	Check the wall console wires for a short.

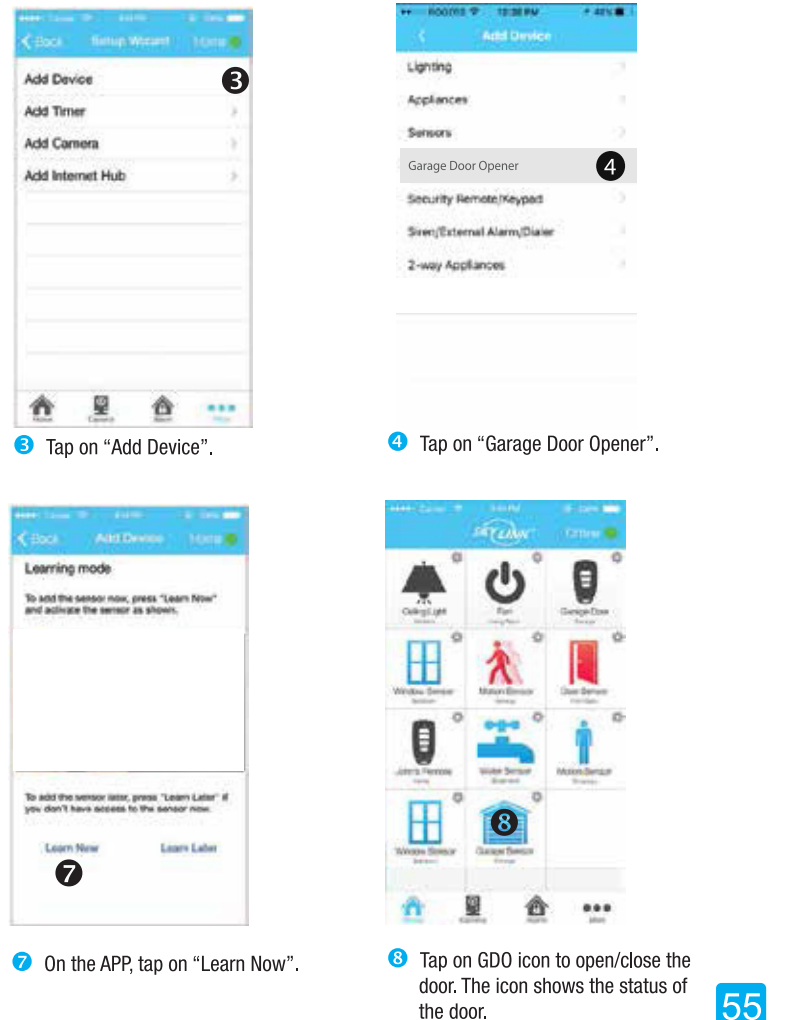
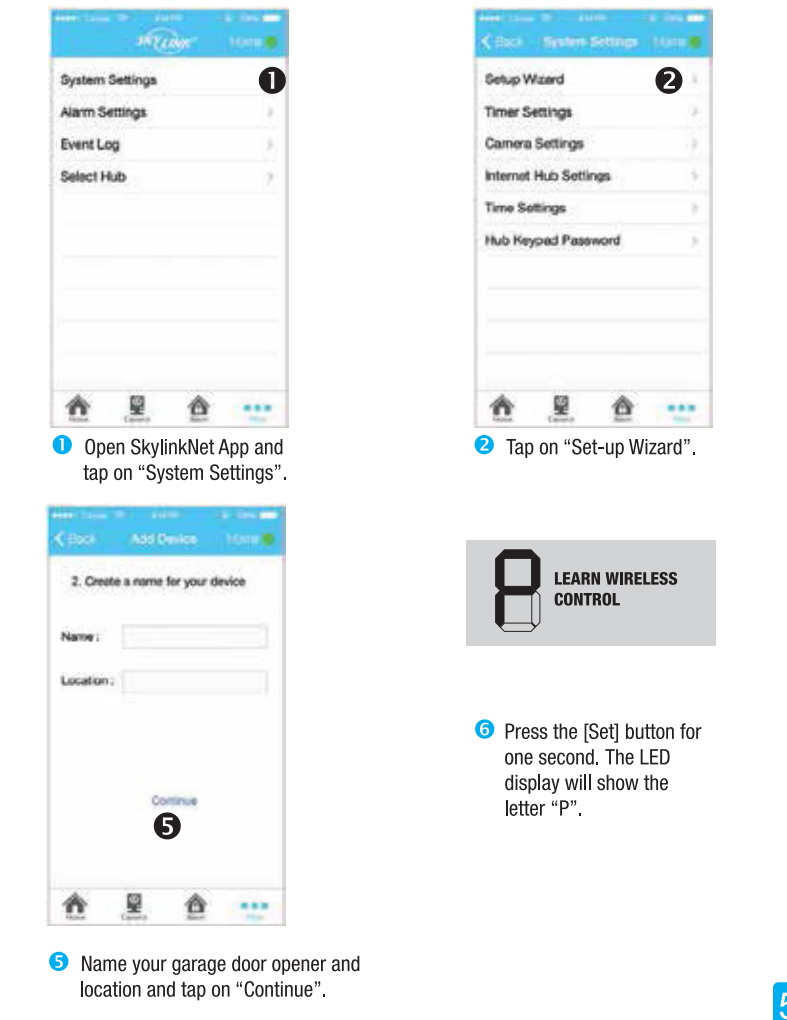
## TROUBLESHOOTING

Opener does not operate from either wall console or remote.	<ul style="list-style-type: none"> <li>Check the opener's AC outlet has power. Plug a lamp into the outlet to check. If it does not turn on, check fuse box or circuit breaker.</li> <li>Check the wall console wiring at the wall console's and opener's terminals, and be sure the remote is programmed into the opener.</li> </ul>
Opener tries to operate, but the door does not move.	<ul style="list-style-type: none"> <li>A door spring may have been broken. Visually inspect the door hardware for any broken springs. Have a qualified garage door service professional repair the door if any door hardware is broken.</li> <li>In cold weather climates, check that the door is not frozen to the ground or that snow build-up is not blocking the door.</li> </ul>
Opener operates from remote but not from wall console.	<ul style="list-style-type: none"> <li>Ensure the wiring connections are correct.</li> <li>Is the wall console IR? If not, disconnect low voltage wires to wall button and momentarily touch them together. If opener runs, replace wall button. If not, check wiring connections at opener and check wire for shorts or breaks under wire holder.</li> </ul>
Opener operates from wall console but not remote.	<ul style="list-style-type: none"> <li>Is the wall console in lock mode?</li> <li>Does remote indicator light glow when remote button is pressed? If not, replace the battery.</li> <li>Has the opener learned the code of the remote? Repeat remote programming steps on pages 40.</li> </ul>
Door does not open completely.	<ul style="list-style-type: none"> <li>Is something obstructing the door? Remove obstructions after ensuring the door area is free of persons and any other objects.</li> <li>If door has been working properly but now doesn't open all the way, reset the travel limit adjustment. Be sure to run a complete opening and closing cycles to reset the force adjustment as well. Follow instructions on page 38.</li> </ul>
Door does not close completely.	<ul style="list-style-type: none"> <li>Is something obstructing the safety beam sensor? Ensure the receiving beam sensor's LED is on.</li> </ul>

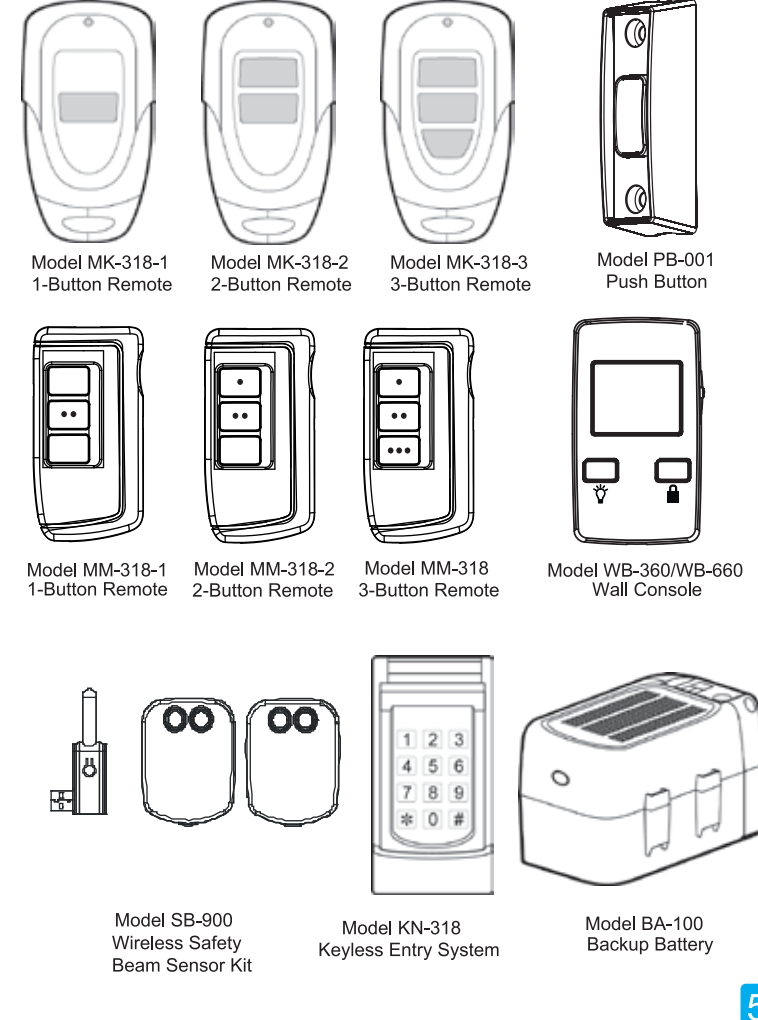
## TROUBLESHOOTING

Opener light stays on.	<ul style="list-style-type: none"> <li>It is normal for the open/close light to stay on for about 3 minutes after each activation.</li> <li>If the open/close light was turned on by the light button on the wall console, it will stay on until the light button is pressed again to turn the light off.</li> </ul>
Opener activates by itself.	<ul style="list-style-type: none"> <li>Check all remotes programmed into the opener. Check for items pressing on any remote's button.</li> <li>If a remote has been stolen, erase the opener's memory (refer to page 41) to prevent the lost remote from activating the opener. Reprogram the remaining remotes into the opener (refer to page 40).</li> <li>Check the wiring between the wall console and the opener. Look for any wire holder that has cut into the wire's insulation, or wire that has been pinched by another object. Replace any bad wiring.</li> <li>Examine the wiring at the opener's terminals and at the wall console's terminals. Look for any wire strands that are close to or touching adjacent terminals.</li> </ul>
Door reverses for no apparent reason.	<ul style="list-style-type: none"> <li>The door hardware may be binding causing the close door force setting to be exceeded. Disengage the trolley and manually check the door movement and balance. Lubricate the door hardware as recommended by the garage door manufacturer.</li> <li>Re-adjust the travel limits and force adjustments to ensure the automatic force adjustment are set properly.</li> <li>Ensure the safety beam sensor is securely fastened and no sunlight is shining directly onto the receiving sensor.</li> </ul>
Opener is noisy	<ul style="list-style-type: none"> <li>Adjust the chain tension (refer to page 12).</li> <li>Lubricate the door hardware as recommended by the garage door manufacturer.</li> </ul>
Opener won't work due to power failure.	<ul style="list-style-type: none"> <li>Use the emergency release handle to disconnect the opener from the door. The door can be opened or closed manually until power is restored.</li> </ul>

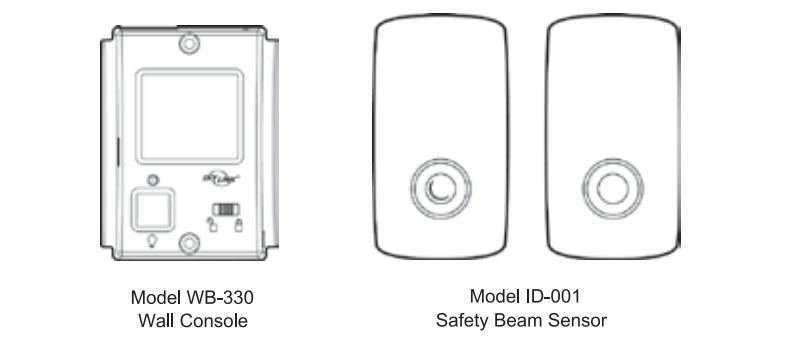
## PROGRAMMING TO THE INTERNET HUB \* \*\* - Not application for AVR series.



## ACCESSORIES



## ACCESSORIES



## FCC