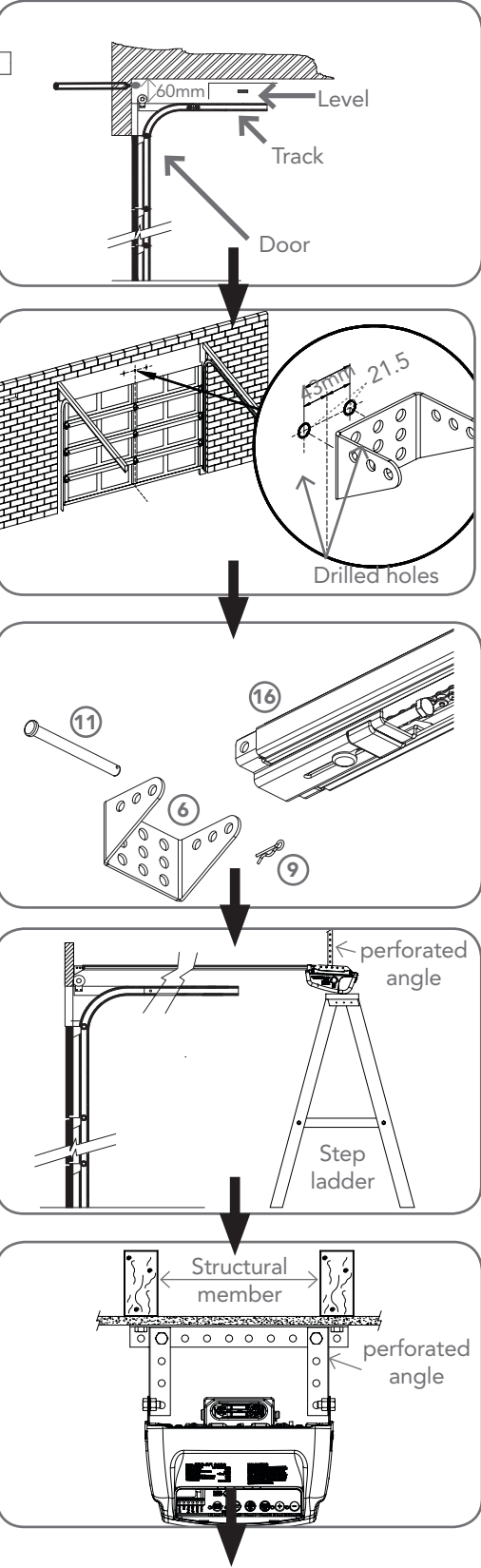




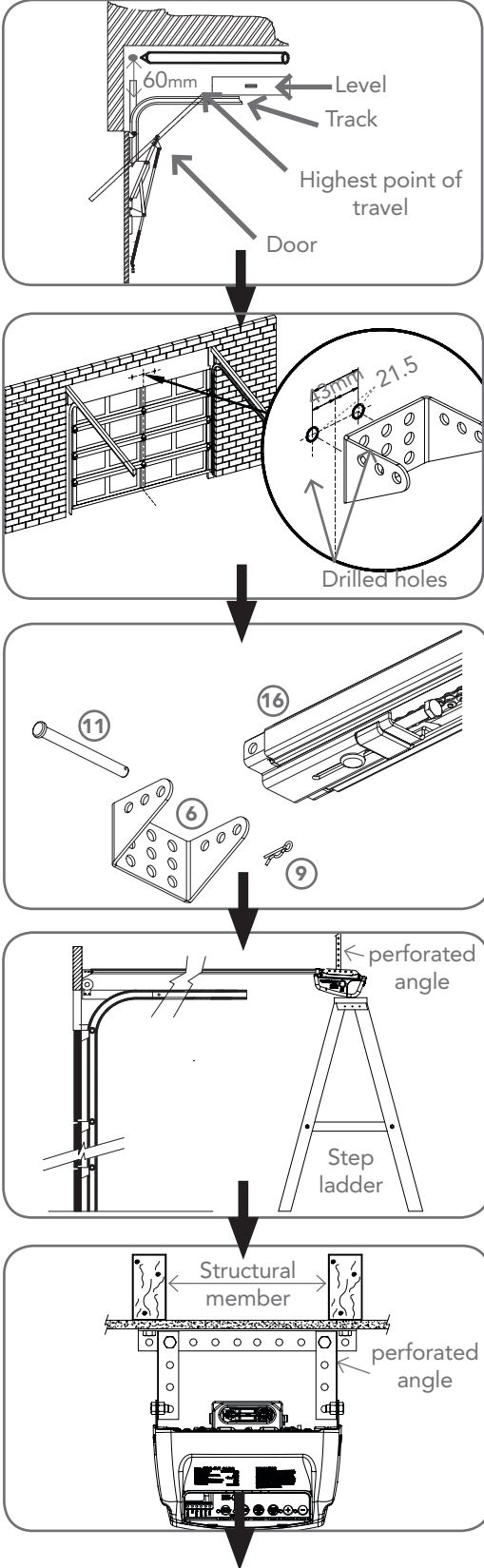
Determine the Door Type

Sectional door with track / B&D Flex-A-Door®



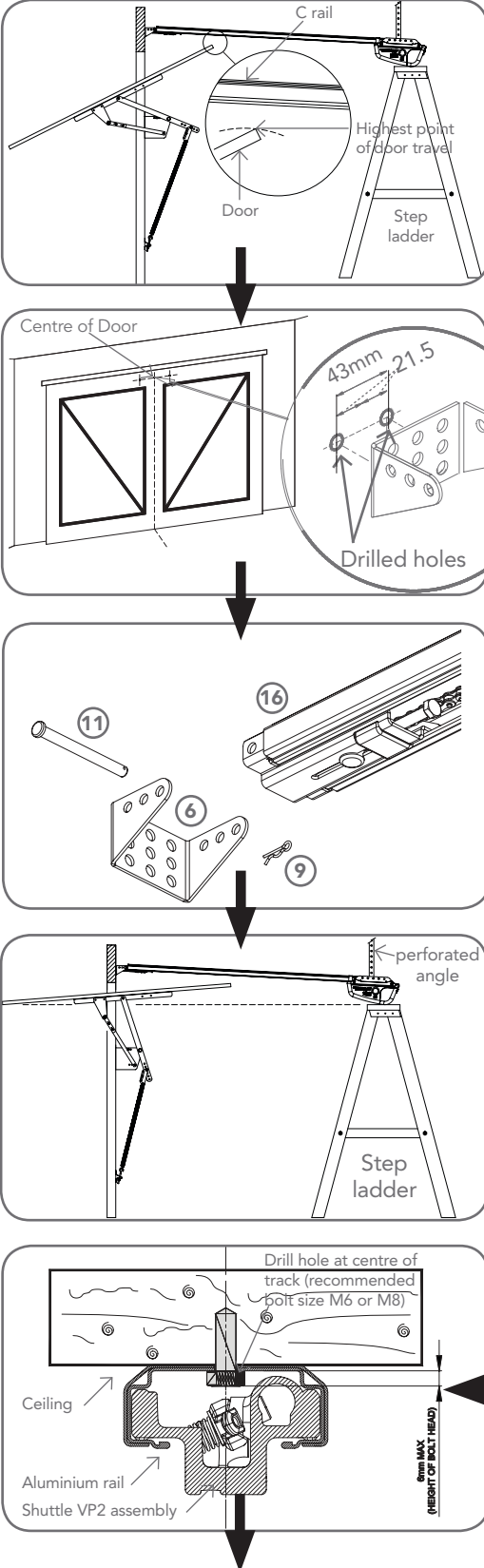
- a. Open the door and find the highest point of travel of the top door panel.
- b. Using a level, transfer this height to the wall above the door and mark a line 60mm above it.
- WARNING!** Make sure concrete, brick wall or timber lintels are solid and sound so as to form a secure mounting platform.
- c. Determine the centre point on the wall above and on top of the door. Draw two lines extending 21.5mm (43mm in total) from each side of the centre point.
- d. Centre the bracket over the intersection of these two lines. Mark centres for holes. Drill holes into wall and secure as follows: IF CONCRETE OR BRICK 8mm drill bit for holes 8mm (5/8") loxins / dynabolts to secure IF TIMBER min. 50mm wood screw or similar to secure
- f. Leave the drive unit in its packing box on the floor for protection and lift the other end of the C-Rail.
- g. Attach the C-Rail assembly ⑩ to the wall bracket ⑥ with the 90mm long clevis pin ⑪ and secure with the supplied snap pin ⑨.
- h. Raise the drive unit from the packing box and support it in the horizontal position with a step ladder.
- i. Line up the track perpendicular to the wall.
- j. Secure the perforated angle (not supplied) to the ceiling above where drive unit's mounting holes will be once fully installed.
- k. Connect the drive unit to the ceiling mounted perforated angle with M8x20mm screws and nuts (not supplied). Strips should not extend more than 18mm below centre of drive unit mounting holes.
- l. To prevent moisture on the C-rail running into the powerhead it is recommended a strip of silicon sealant is placed across the top of the C-rail just before the opener.

One piece door with track (T-Type)



- a. Open the door and find the highest point of travel of the top door panel.
- b. Using a level, transfer this height to the wall above the door and mark a line 60mm above it.
- WARNING!** Make sure concrete, brick wall or timber lintels are solid and sound so as to form a secure mounting platform.
- c. Determine the centre point on the wall above and on top of the door. Draw two lines extending 21.5mm (43mm in total) from each side of the centre point.
- d. Centre the bracket over the intersection of these two lines. Mark centres for holes. Drill holes into wall and secure as follows: IF CONCRETE OR BRICK 8mm drill bit for holes 8mm (5/8") loxins / dynabolts to secure IF TIMBER min. 50mm wood screw or similar to secure
- f. Leave the drive unit in its packing box on the floor for protection and lift the other end of the C-Rail.
- g. Attach the C-Rail assembly ⑩ to the wall bracket ⑥ with the 90mm long clevis pin ⑪ and secure with the supplied snap pin ⑨.
- h. Raise the drive unit from the packing box and support it in the horizontal position with a step ladder.
- i. Line up the track perpendicular to the wall.
- j. Secure the perforated angle (not supplied) to the ceiling above where drive unit's mounting holes will be once fully installed.
- k. Connect the drive unit to the ceiling mounted perforated angle with M8x20mm screws and nuts (not supplied). Strips should not extend more than 18mm below centre of drive unit mounting holes.
- l. To prevent moisture on the C-rail running into the powerhead it is recommended a strip of silicon sealant is placed across the top of the C-rail just before the opener.

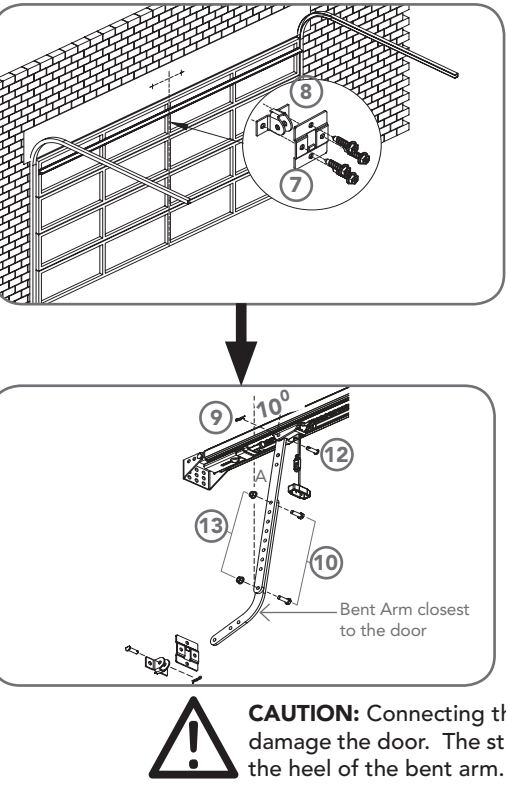
One piece door without track (Tilt Door / J-Type)



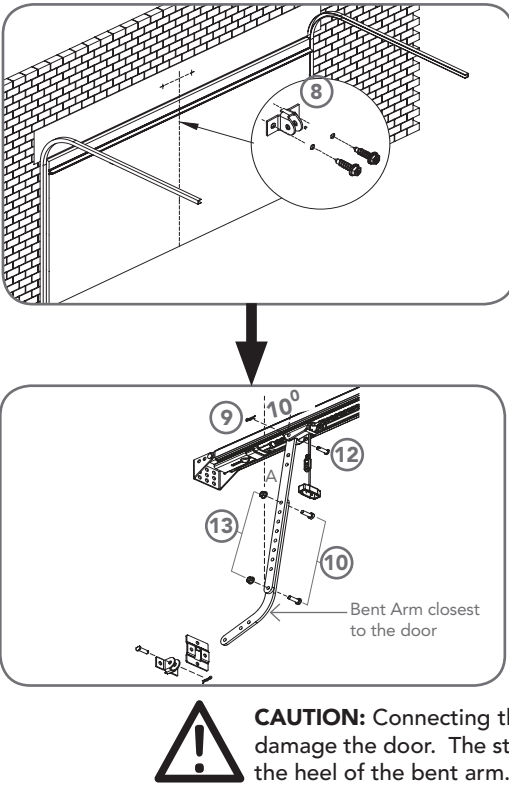
- a. Open the door and find the highest point of travel of the top edge of the door.
- b. Using a level, transfer this height to the wall above the door and mark a line 25mm above it.
- WARNING!** Make sure concrete, brick wall or timber lintels are solid and sound so as to form a secure mounting platform.
- c. Determine the centre of the door. Mark this location both on the line drawn in step (b) and on top of the door. Draw two lines extending 21.5mm (43mm in total) from each side of the centre point on the wall.
- d. Centre the bracket over the intersection of these two lines. Mark centres for a minimum of two holes.
- e. Drill holes into wall and secure as follows: IF CONCRETE OR BRICK 8mm drill bit for holes 8mm (5/8") loxins / dynabolts to secure IF TIMBER min. 50mm wood screw or similar to secure.
- f. Leave the drive unit in its packing box on the floor for protection and lift the other end of the C-Rail.
- g. Attach the C-Rail assembly ⑩ to the wall bracket ⑥ with the 90mm long clevis pin ⑪ and secure with the supplied snap pin ⑨.
- h. Raise the drive unit from the packing box and support it in the horizontal position with a step ladder.
- i. Line up the track perpendicular to the wall.
- j. Secure the perforated angle (not supplied) to the ceiling above where drive unit's mounting holes will be once fully installed.
- k. Connect the drive unit to the ceiling mounted perforated angle with M8x20mm screws and nuts (not supplied). Strips should not extend more than 18mm below centre of drive unit mounting holes.
- l. To prevent moisture on the C-rail running into the powerhead it is recommended a strip of silicon sealant is placed across the top of the C-rail just before the opener.

**Alternative Mounting Option**  
The opener can be fastened to the roof by driving a bolt through the C-Rail into a structural timber support. The bolt head's height must not exceed 6mm.

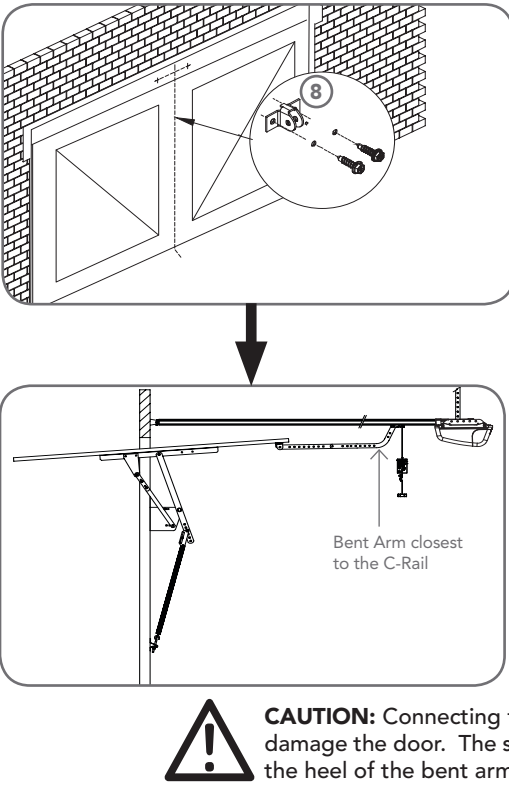
Mounting Door Bracket & Arms



- a. The door bracket locator ⑦ is placed over the door bracket ⑧, on the door's centre line one-third down the top panel and mounted using M6 or equivalent screws (not supplied).
- b. STEEL DOORS ONLY: Bracket can be welded in place.
- NOTE:** If in doubt about the door's strength, reinforcement may be added to the door's frame where necessary. Door damage may occur if the bracket is installed on a panel with insufficient strength. The opener's warranty does not cover damage caused to the door and/or door panels.
- c. Assemble the bent arm ④ (connecting to the door) to the right side of the straight arm ⑤ (connecting to the shuttle) with bolts ⑩ and nuts ⑬ supplied in the accessory pack. Always use both bent and straight arms.
- d. Connect the assembled arm to the bracket and the disengaged trolley with clevis ⑫ and snap pins ⑨. The angle "A" must be more than 10°.



- a. Mount the door bracket ⑧, on the door's centre line one-third down the top panel and mounted using M6 or equivalent screws (not supplied).
- b. STEEL DOORS ONLY: Bracket can be welded in place.
- NOTE:** If in doubt about the door's strength, reinforcement may be added to the door's frame where necessary. Door damage may occur if the bracket is installed on a panel with insufficient strength. The opener's warranty does not cover damage caused to the door and/or door panels.
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- d. Connect the assembled arm to the bracket and the disengaged trolley with clevis ⑫ and snap pins ⑨. The angle "A" must be more than 10°.



- a. Mount the door bracket ⑧, on the door's centre line one-third down the top panel and mounted using M6 or equivalent screws (not supplied).
- b. STEEL DOORS ONLY: Bracket can be welded in place.
- NOTE:** If in doubt about the door's strength, reinforcement may be added to the door's frame where necessary. Door damage may occur if the bracket is installed on a panel with insufficient strength. The opener's warranty does not cover damage caused to the door and/or door panels.
- c. Assemble the bent arm ④ and straight arm ⑤ with bolts ⑩ and nuts ⑬ supplied in the accessory pack. Always use both the bent and straight arms.
- d. Connect the assembled arm to the bracket and the disengaged trolley with clevis ⑫ and snap pins ⑨.
- e. If installing on a door with a bad wave action, lengthening the arm will assist in reducing this effect.

Adjusting the Speed Setting

The default speed of the opener has been set to suit the majority of applications. However, there are three speed modes available if required:-

1. Slow - to suit one piece door without tracks
2. Medium ( default ) - suits majority of applications
3. Fast - to suit some sectional applications

Proceed to Programming the Opener if the default setting is appropriate. To change the Speed Setting;

The speed settings can only be changed before setting the travel limits. If the opener speed needs to be changed please complete the following process. Pressing the operate button will cycle through all three speed modes.

- To change the speed setting:
- a. Engage the C-Rail's trolley (attached to the door via the arms) with the chain index by moving the door.
  - b. If the trolley does not "click" firmly onto the chain index, ensure that the manual release cord is not in the disengaged position by pulling it backwards.
  - c. Turn on the power to the opener. The CLOSE LIMIT LED will be flashing.
  - d. Remove the button cover with a blade screwdriver.
  - e. Press operate button once, twice or three times to select slow, medium or fast speed mode.

Programming the Opener

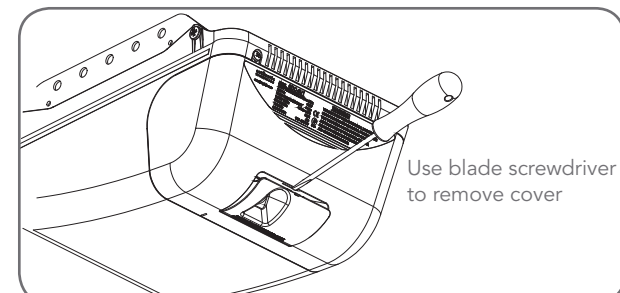
**CAUTION:** The OPERATE button will not function until the open and close limit positions are set.

**NOTE:** The door and shuttle must be engaged into the chain index. The door should be open approximately half way.

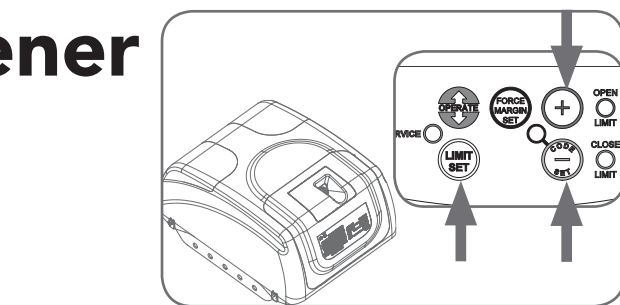
- a. Remove the controls cover to access the controls panel using a blade screwdriver. Refit it when setup is completed.
- b. Press and hold the MINUS (-) button to start the door closing. Release the button once you have reached your desired closed limit position.
- c. Press the LIMIT SET button. This action will store the close limit position into memory.
- d. Press and hold the PLUS (+) button to start the door opening. Release the button once you have reached your desired open limit position.
- e. Read the WARNING below.

**WARNING!** The garage door will automatically close, open and close again once the LIMIT SET button is pressed. Ensure there are no persons or objects in the door's path before pressing the LIMIT SET button.

- f. Press the LIMIT SET button to store into memory the open limit position. The door will now automatically close to its limit position then fully open to calculate the Safety Obstruction Forces. Take note of **THE ABOVE WARNING!** The opener can now be operated via the OPERATE button.



| Door Opener Speed Mode | OPEN LED (Green) | CLOSE LED (Red) | Beeper  |
|------------------------|------------------|-----------------|---------|
| Medium (Default)       | On               | On              | 2 beeps |
| Fast                   | On               | Off             | 3 beeps |
| Slow                   | Off              | On              | 1 beep  |



- Resetting the Door Limit Positions**
- To enter new limit positions the existing settings must be deleted as follows:
- a. Press and hold the LIMIT SET button for six (6) seconds, until you hear three beeps and the CLOSE LIMIT LED starts to flash.
  - b. Release the button.
  - c. Follow Programming the Opener steps to set new limit positions.
- Setting the PET Mode position**
- When activated, PET mode drives the door to the preset position from the close position.
- a. Drive and stop the door at the desired PET mode open position by pressing the transmitter button coded for Open/Stop/Close operation.
  - b. Press and hold the PLUS (+) button on the opener for six (6) seconds until the OPEN and CLOSE LED's are lit to record the new PET position.
  - c. Release the PLUS (+) button.

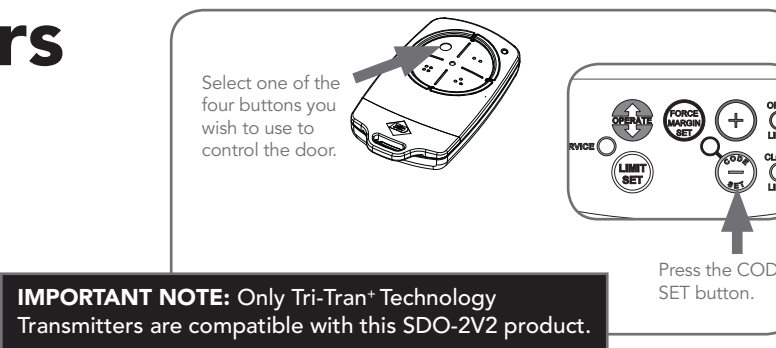
Coding Transmitters

- Storing the Transmitter Code**
- The opener can only operate from transmitters that have been programmed into its receiver. The receiver needs to learn the codes of any transmitter that will be used with the operator. Up to eight (8) codes can be stored in the receiver's memory.
- a. Press the CODE SET button and release. The CODE SET LED will illuminate to indicate the opener is in Code Learn mode. If a valid code is not stored within 15 seconds the opener will exit Code Learn.
  - b. Press the transmitter button (one of four) that you want to control the door. The CODE SET LED will begin to flash.
  - c. Press the same transmitter button again. The CODE SET LED will illuminate for one second and then go out.
  - d. The transmitter is now coded to operate the door - press the button to test.

- Setting the Transmitter to Operate the Courtesy Light**
- a. Press the CODE SET button twice. The CODE SET LED will illuminate and the courtesy light will turn on to indicate that the light code learning is active.
  - b. Choose a transmitter button not already coded into the receiver. Press this button and the CODE SET LED will begin to flash.
  - c. Press the same transmitter button again. The CODE SET LED will illuminate for one second and then go out.
  - d. The transmitter is now coded to operate the light. Press the button to test.

- Setting the Transmitter to Operate Vacation Mode**
- a. Press CODE SET button three times. The CODE SET LED will illuminate and the courtesy light will flash slowly (once every two seconds) to indicate Vacation learning mode is active.
  - b. Choose a transmitter button not already coded into the receiver. Press this button and the CODE SET LED will begin to flash.
  - c. Press the same transmitter button again. The CODE SET LED will illuminate for one second and then go out, and the courtesy light will also switch off. This indicates the code has been stored.
  - d. To activate Vacation Mode, close the garage door and press the coded button transmitter for 5 seconds. The CODE SET LED will illuminate to indicate that the opener is in Vacation Mode.
  - e. To exit Vacation Mode press the transmitter button momentarily until the CODE SET LED turns off.

- Enabling AUX Output**
- a. Press the CODE SET button four (4) times - the CODE SET LED will illuminate and the courtesy light will flash quickly.
  - b. Press one of the four (4) buttons on the transmitter for two (2) seconds, the CODE SET LED will begin to flash, pause for two (2) seconds, then press the same button again for two (2) seconds. The CODE SET LED will illuminate for one second then go out.
  - c. Press the transmitter button to test.



- IMPORTANT NOTE:** Only Tri-Tran® Technology Transmitters are compatible with this SDO-2V2 product.
- Setting PET (Pedestrian) Mode**
- The PET mode position is set during installation.
- a. Press the CODE SET button five (5) times - the CODE SET LED will illuminate and the courtesy light will flash quickly (twice per second).
  - b. Press one of the four (4) buttons on the transmitter for two (2) seconds, the CODE SET LED will begin to flash, pause for two (2) seconds, then press the same button again for two (2) seconds.
  - c. The CODE SET LED will illuminate for one second and then go out, and the courtesy light will also switch off. This indicates the code has been stored.
  - d. Press the transmitter button to test.

**To Erase Programmed Codes**

If the CODE SET button is pressed and held for six (6) seconds the CODE SET LED will blink rapidly for one second to indicate that all programmed codes have been erased.

- Installation of the Wall Mounted Transmitter**
- a. Mount the transmitter in a convenient location, yet out of reach of children and at least 1.5m off the ground.
  - b. Make sure the door is visible from this location.
  - c. To set the transmitter codes refer to Storing the transmitter code above.

- Remotely Coding Transmitters**
- Using this method transmitters can be coded without access to the opener's control panel as long as a pre-coded transmitter is available.
- a. Take any pre-coded transmitter. Press the button for the function to be duplicated and release.
  - b. Using a small needle / pen, press and hold firmly for two seconds the middle button, through the Coding Hole.
  - c. Within ten (10) seconds take the additional transmitter you wish to code. Hold the new transmitter's button for two seconds, pause for two seconds, hold again for two seconds and then release.
  - d. Wait for ten (10) seconds and then press the new transmitter's button to test.