Controll-A-Door® S & PanelPro®
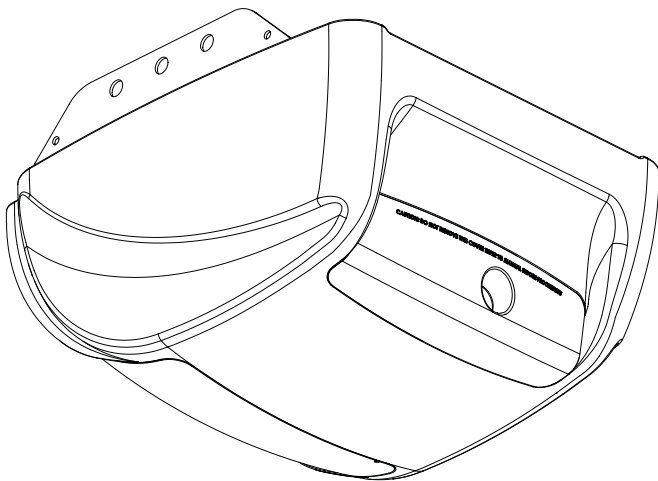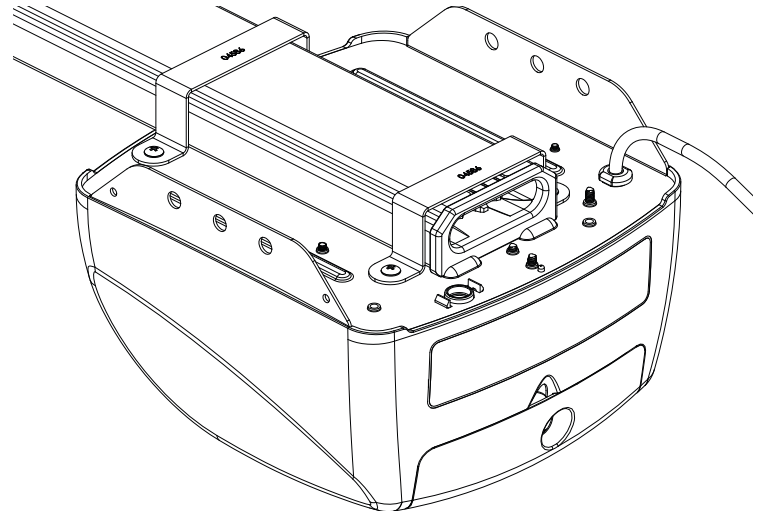
Sectional Door Opener

Instruction Manual

SDO-3V2
Controll-A-Door® S

SDO-4V1
PanelPro®

Featuring TRI TRAN+ ENHANCED SECURITY Technology

b&d

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Installation Instructions

Home Owner Instructions

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1. Installation Safety Warnings!

This automatic garage door opener is designed and tested to offer safe service provided it is installed and operated in strict accordance with the following safety warnings. Failure to comply with the following instructions may result in death, serious personal injury or property damage.

WARNING!

- The door may operate unexpectedly, therefore do not allow anything to stay in the path of the door.
- When operating the manual release while the door is open, the door may fall rapidly due to weak or broken springs, or due to being improperly balanced.
- The drive must not be used with a door incorporating a wicket door, unless the drive cannot be operated with the wicket door open.
- The drive is intended to be installed at least 2.5m above the floor.
- Do not disengage the opener to manual operation with children/persons or any objects including motor vehicles within the doorway.
- If the door is closing and is unable to re-open when obstructed, discontinue use. Do not use a door with faulty obstruction sensing
- When using auto close mode, a Photo Electric beam must be fitted correctly and tested for operation at regular intervals. Extreme caution is recommended when using auto close mode. All safety rules must be followed.

ELECTROCUTION!

- Place opener in protected area so that it does not get wet.
- Do not spray with water .
- Disconnect the power cord from mains power before making any repairs or removing covers. Only experienced service personnel should remove covers from the opener.
- If the power supply cord is damaged, it must be replaced by an Automatic Technology service agent or suitably qualified person.
- Connect the opener to a properly earthed general purpose 240V mains power outlet installed by a qualified electrical contractor.

CAUTION:

Emergency Access
- If garage has no pedestrian entrance door, an emergency access device should be installed. This accessory allows manual operation of the garage door from outside in case of power failure.

Muscular strain
- Practice correct lifting techniques (carton weighs approx 9kgs)
- Practice correct lifiting techniques when required to lift the door as per installation instructions.

Fall from ladder
- Ensure ladder is the correct type for job.
- Ensure ladder is on flat firm ground that will take the weight without the legs sinking.
- Ensure user has 3 points of contact while on ladder.

Crush injury from unsecured door
- Place a 2 metre exclusion zone around area under the door while it is unsecured.
- Follow the installation instructions

Garage Door
- Examine the door installation, in particular, springs and mountings for signs of wear, damage and imbalance.
- The garage door must be well balanced. Sticking or binding doors must be repaired by a qualified garage door installer prior to installation of the opener.
- Remove or disengage all garage door locks and mechanisms prior to installation of the opener.

Entanglement
- Never plug in and operate opener prior to installation.
- Keep hands and loose clothing clear of door and guides at all times.

Entrapment under operating door
- DO NOT operate the opener unless the garage door is in full view and free from objects such as cars and children/people. Make sure that the door has finished moving before entering or leaving the garage
- In order for the opener to sense an object obstructing the door way, some force must be exerted on the object. As a result the object, door and/or person may suffer minor damage or injury.
- Ensure the garage door is in good working order by undertaking regular servicing.
- Install the optional wall transmitter in a location where the garage door is visible, but out of the reach of children at a height of at least 1.5m.
- Photo Electric beams must be installed if the closing force at the bottom edge of the door exceeds 400N (40kg)

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2. Before you Begin

Examine the conditions in the garage:
a. Look at the ceiling:
   i. Is it plastered? The opener is mounted to a perforated angle which MUST be securely fastened to a structural support. You will need to locate the structural beams in the ceiling which are generally 400mm apart.
   ii. does it have exposed beams? The opener is mounted to a perforated angle which must be securely fastened to a structural support like the exposed beams. You may need to install a 40mm thick board (not supplied) between structural supports.
b. Look at the wall above the garage door.
   i. Is it brick? The wall bracket MUST be securely fastened to the wall with suitable screws and ensure it does not move.
   ii. Is it timber? The wall bracket MUST be securely fastened to a structural support. You may need to install a 40mm thick board (not supplied) between structural supports to fasten the wall bracket to.

Test the following before commencing installation:
a. The door MUST BE in good operating condition.
b. Manually move the door up and down, the door should move freely without binding or sticking.
c. The maximum force required to move the door should not exceed 15kg.
d. Lift the door to about halfway. When released, the door should stay in place.
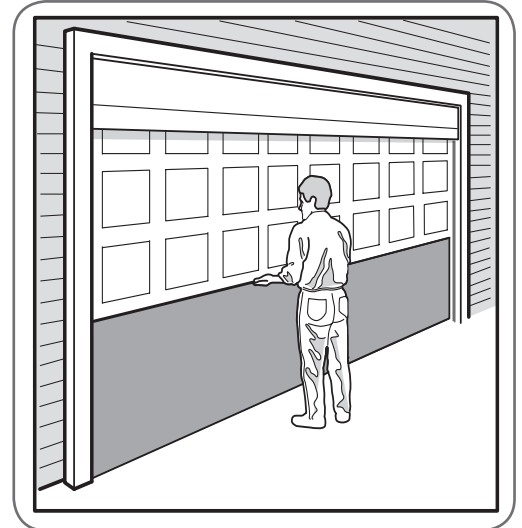
DO NOT DO IT YOURSELF:
If any of the above door requirements are not met, DO NOT attempt to fix yourself. Please contact a garage door professional. (P) 1300 300 625

3. Tools Required

Level

Pliers

Hack saw

Tape Measure

Sockets and Wrench

Perforated Angle
Metal pieces
(32 x 32 x 1.5mm) x 1200mm length

Screwdrivers

4 x Bolts and Nuts
(M8)

Pencil

4 x Screws
(M8 x 20mm)

Stepladder

Drill

Adjustable End Wrench

Drill Bits
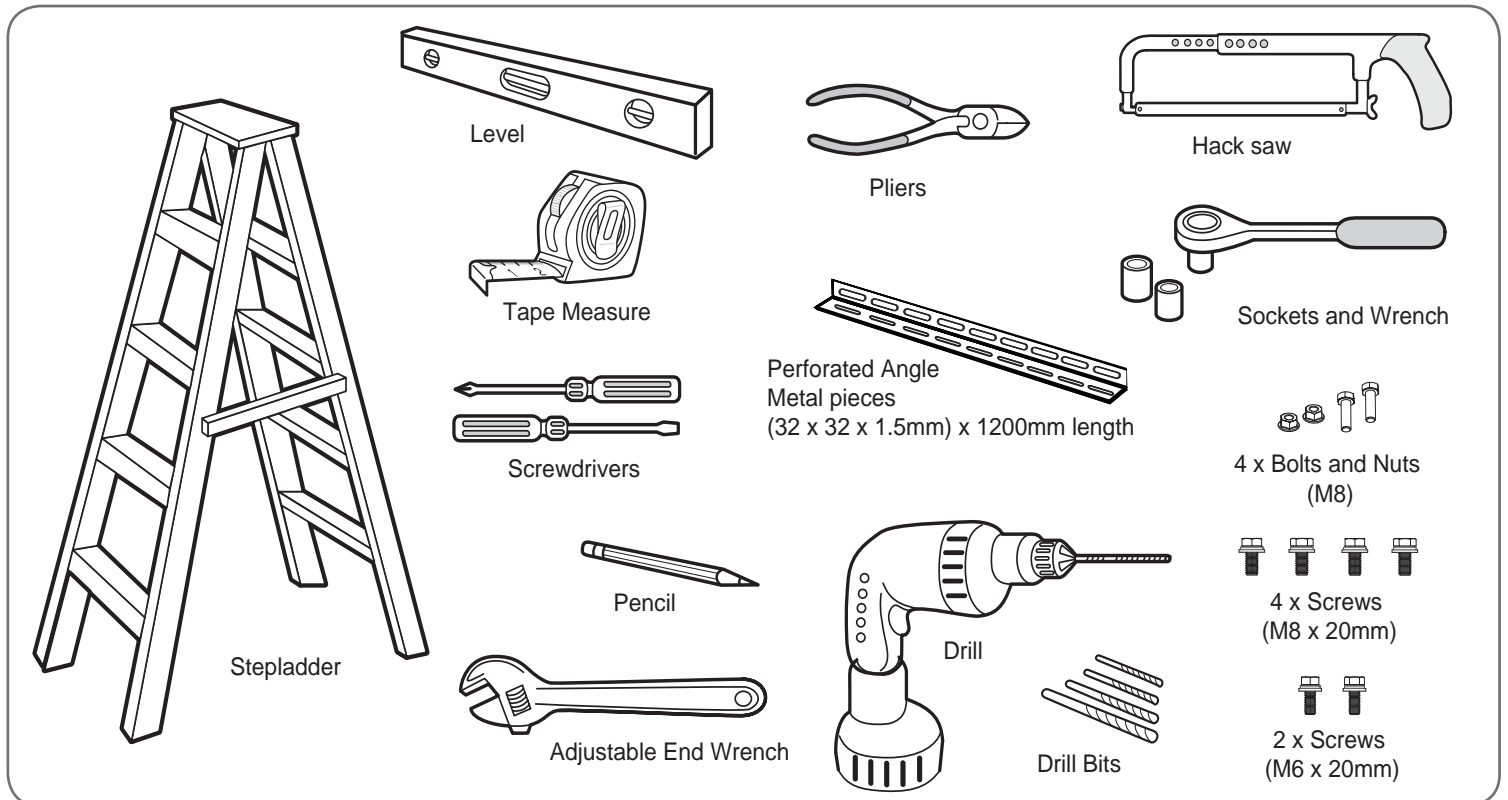
2 x Screws
(M6 x 20mm)

4. Kit Contents
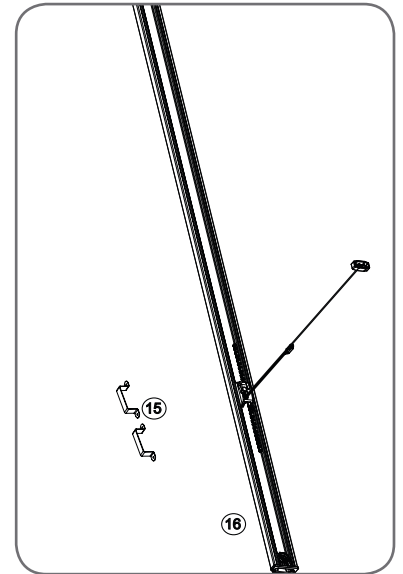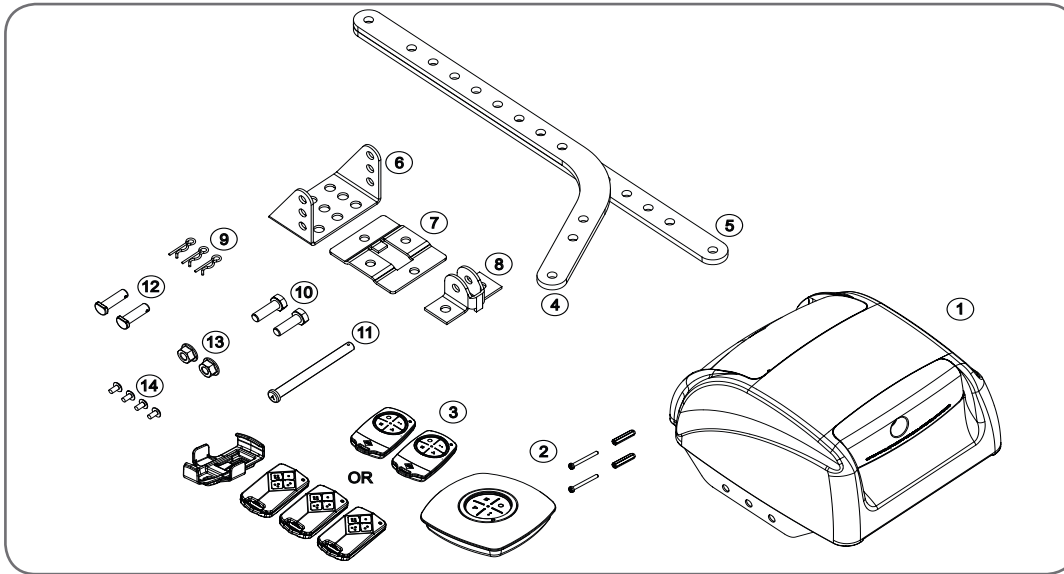
1. 1 x SDO drive unit
2. 1 x Wall mount transmitter with battery and screws (CAD S Only)
3. Transmitters and batteries
   CAD S: 2 x TB6 Transmitters
   PanelPro: 3 x TB-5 Transmitters, 1 Viso Clip
4. 1 x Bent arm door attachment
5. 1 x Straight arm door attachment

6. 1 x Wall bracket TS01
7. 1 x Door bracket Locator
8. 1 x Door bracket
9. 3 x Pin Snap SSP 8 ZNU 31080
10. 2 x Hex Head screw M8x25
11. 1 x Pin 0890
12. 2 x Clevis Pin 0829
13. 2 x Hex Serration flange nut M8
14. 4 x Hex flange screw taptite 'S' M4 x 10

PLUS
15. 2 x Track Bracket
16. 1 x Pre-Assembled Single Piece C-Rail

5. Position

The Opener:
a. MUST BE installed in a dry position, protected from weather.
b. REQUIRES properly earthed 3 pin single phase power on the ceiling within an arms length of the opener.
c. Requires a MINIMUM HEADROOM of 25mm between the highest point of the door's travel and the ceiling.
d. Use the diagram below as a reference when completing the installation.
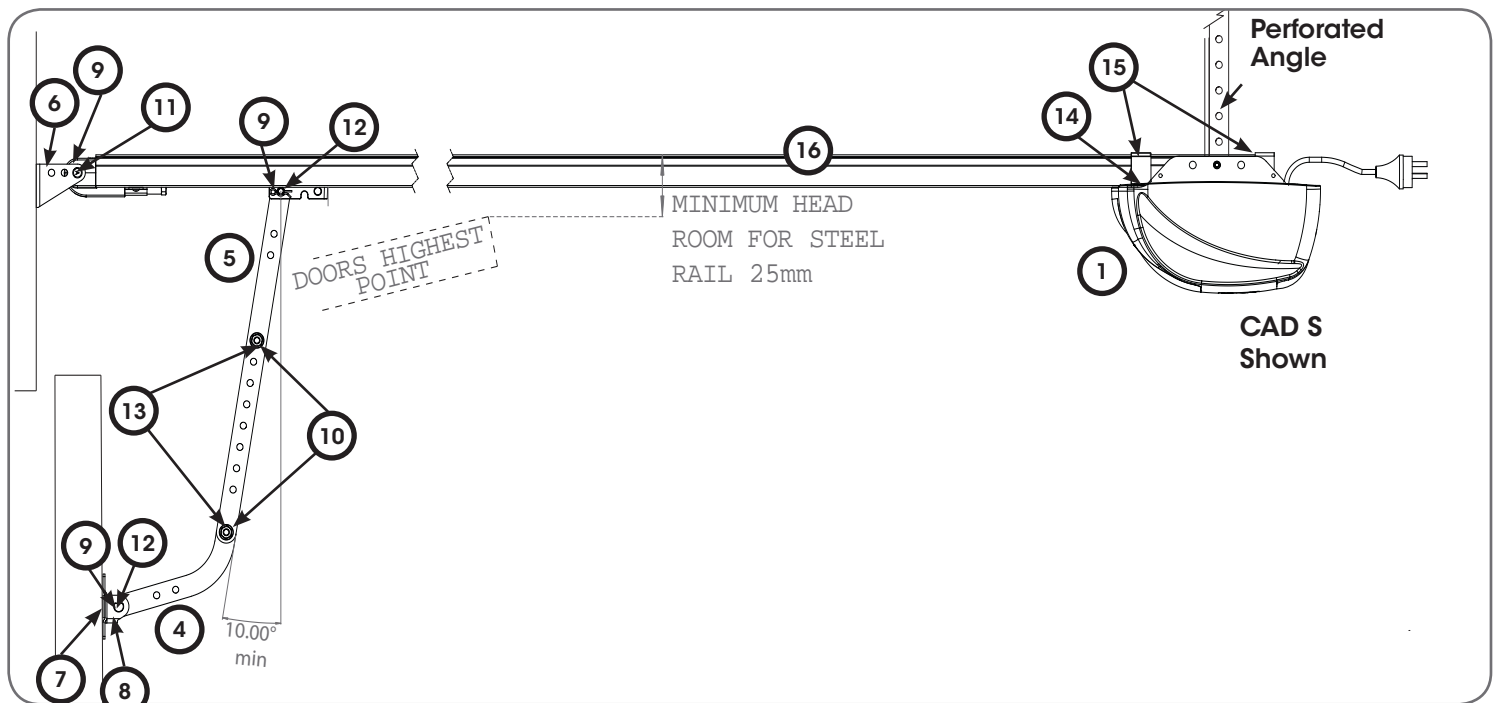
6. Fit the Opener

Secure C-Rail to Opener:
a. Remove the Opener from the box and place onto towel.
b. Locate and insert the shaft of drive unit ① into the C-Rail's sprocket.
c. Fix the two track brackets ⑮ with four (4) M4 x 8 screws ⑭ supplied in accessory pack.
d. Place drive unit back in packing box for protection.

Locate shaft into the sprocket

WARNING! DO NOT use tek screws to affix rail. Only use the screws provided, and fix these into the pre-punched and threaded holes in the chassis.

CAD S Shown

7. Bracket Position

Wall Bracket Position:
a. Determine the centre of the door and mark this point with a line on the wall above.

WARNING! The Opener must be securely fastened to structural supports, otherwise opener failure may ensue causing serious personal injury and / or property damage.

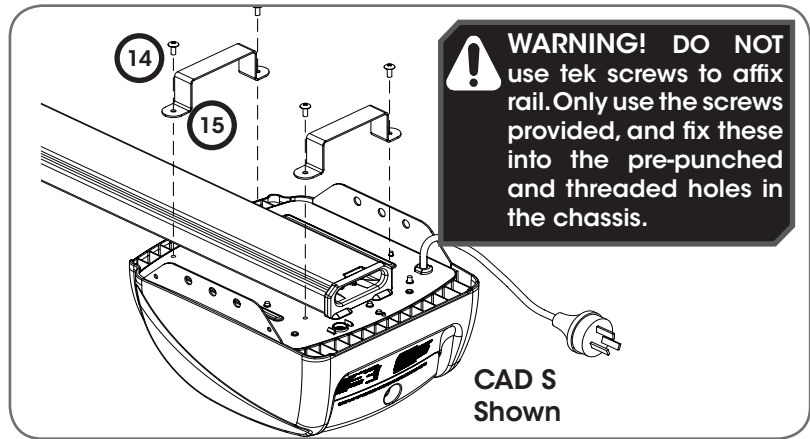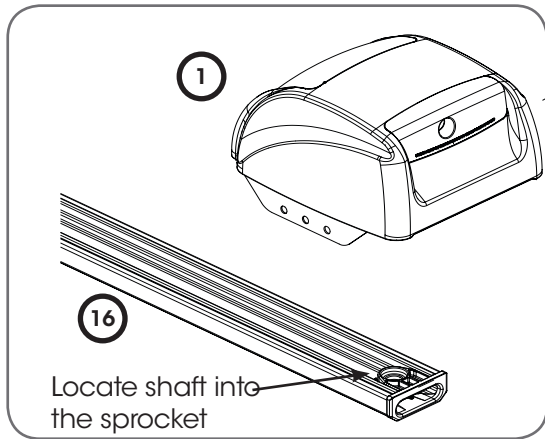b. Raise the door and find the highest point of travel of the first (top) door panel.
c. Using step ladder and a level, transfer this height to the wall above the door and mark a line 60mm above it, across the centre line.

60mm

Level
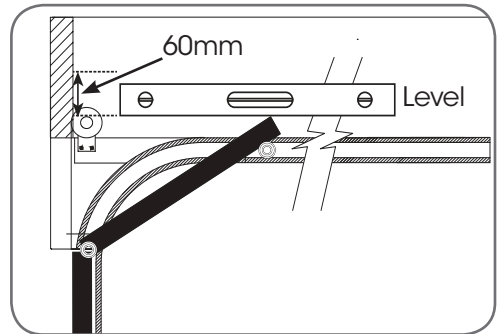
DO NOT DO IT YOURSELF: If sufficient structural support can not be found, contact a door profressional for installation.

Mounting The Wall Bracket:
a. Draw two lines extending 21.5mm from each side of the centre point.
b. Centre the wall bracket ⑥ over the intersection of these two lines. Mark centres for at least two holes and ensure it is into a solid mounting point.
c. Drill holes in the wall with an appropriate bit.
d. Secure to the wall using:
   i. IF CONCRETE OR BRICK:
     8mm (5/6″) loxins/dynabolts.
   ii. IF TIMBER:
     wood screw #20 or similar (min. 50mm).
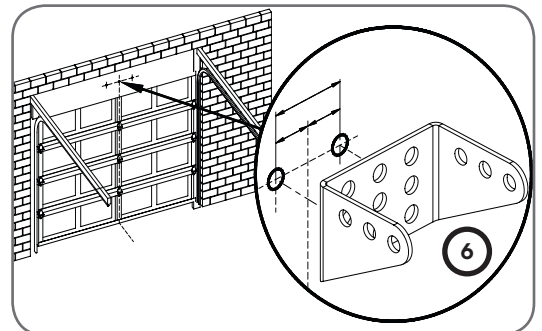
Attach The Rail To The Wall Bracket
a. Leave the drive unit in its packing box on the floor for protection and lift the other end of the C-Rail.
b. Attach the C-Rail assembly ⑯ to the wall bracket ⑥ with the 90mm long pin ⑪ and secure with the supplied pin snap ⑨.
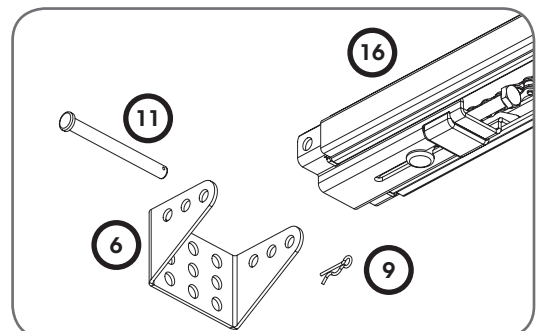
8. Perforated Angle (Not supplied)

Attach Perforated Angle (not supplied) or equivalent
a. Measure across the ceiling from the centre point 3177mm (+/- 150mm) to find a supporting beam.
b. Create a perforated angle which best suits your site. Use a hack saw to cut the L shape metal strips. Secure the perforated angle to a supporting beam using diagrams shown below.
c. Raise the drive unit to the ceiling mounted perforated angle and secure with M8x20mm screws and nuts (not supplied). Strips should not extend more than 18mm below centre of drive unit mounting holes.
d. 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.
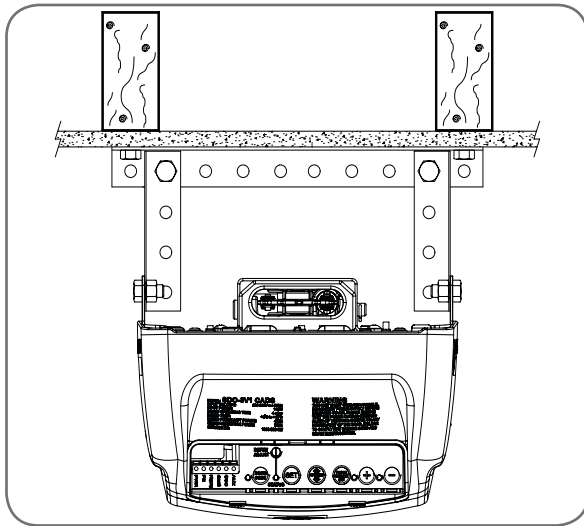
Ceiling Beams that run towards the door requires:
1 x perforated L shape metal strip and
2 x shorter perforate L shape metal drop down strips..
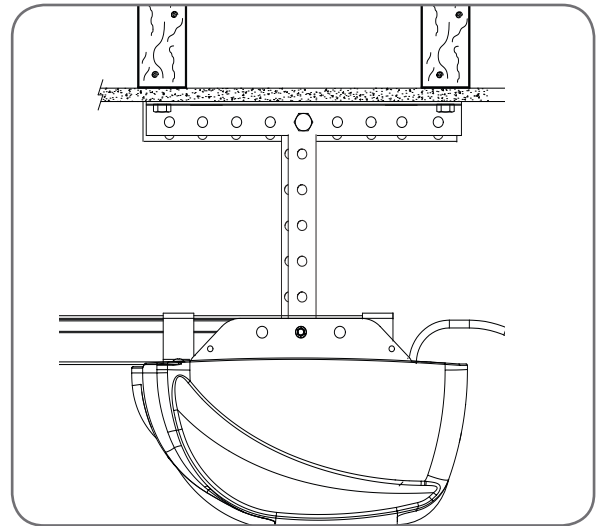
Ceiling Beams that run parallel to the door requires:
2 x perforated L shape metal strips and
2 x shorter perforate L shape metal drop down strips..

Alternative Mounting Option
(for One piece door without track (Tilt Door / J-Type))
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.

Drill hole at centre of track (recommended bolt size M6 or M8)

Ceiling

Aluminium rail

Shuttle VP2 assembly

6mm MAX
(HEIGHT OF BOLT HEAD)

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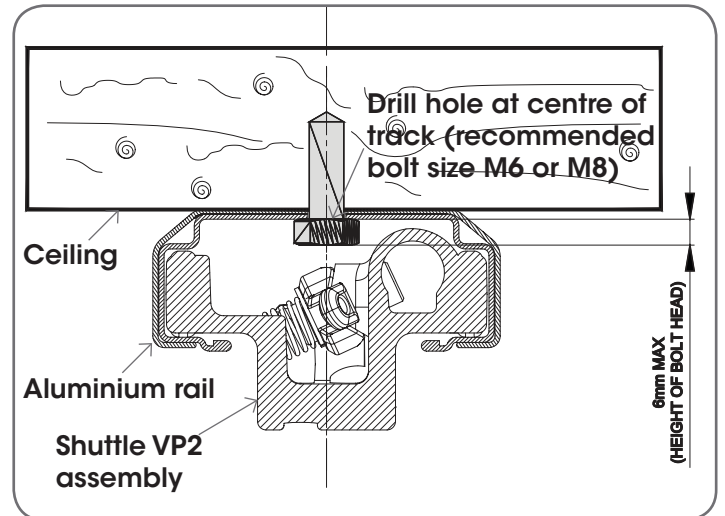
9. Mounting Brackets and Arms

Mounting The Door Bracket:

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.
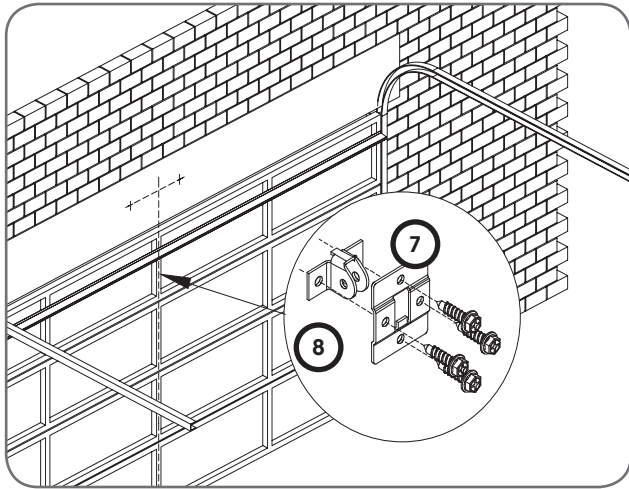
Attaching the Arms

a. Assemble the bent arm ④ (connecting to the door) to the right side of the straight arm ⑤ with bolts ⑩ and nuts ⑬ supplied in the accessory pack. Connect the straight arm ⑤ to the shuttle with a clevis pin ⑫ and a pin snap ⑨. Always use both bent and straight arms.

b. Connect the assembled arm to the bracket with clevis pin ⑫ and pin snap ⑨. The angle "A" must be more than 10°.
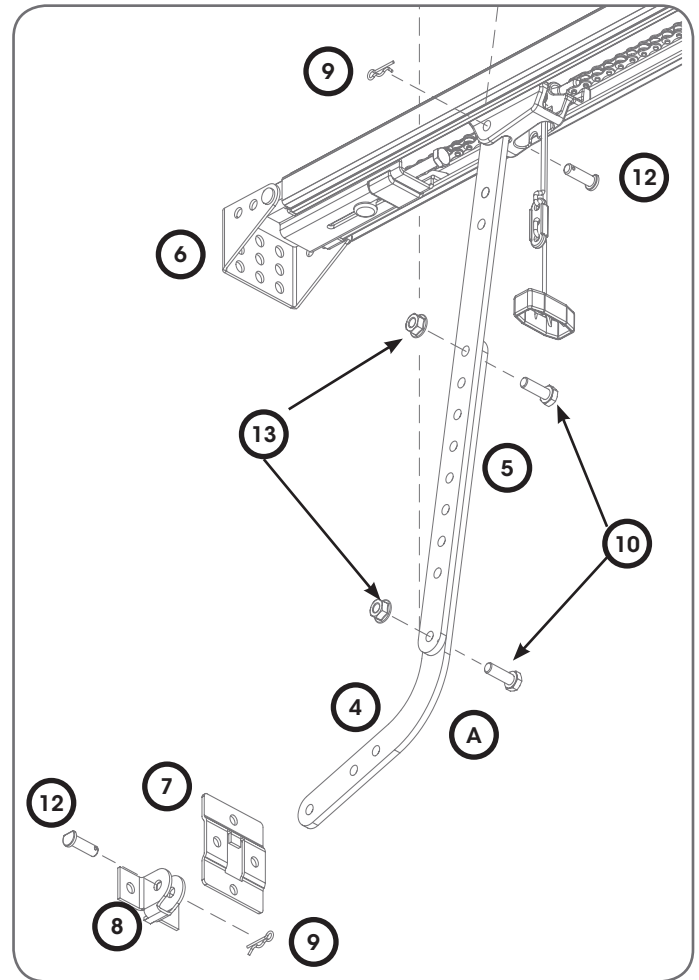
10. Connect to Power

Initial Preparation:

a. Move the door to the half way position.

b. Remove the clear button cover from the unit.

NOTE: This cover has a label that says "Do not remove" however, this only applies during normal operation. This cover must be removed to setup the opener.

c. Switch power on to the opener. The red CLOSE LIMIT LED will be flashing.

d. Press and hold the MINUS (-) button - the door should start closing. If door starts to close, release button.

NOTE: If the door opens, release the MINUS (-) button and press the OPERATE button once to change the motor's direction.
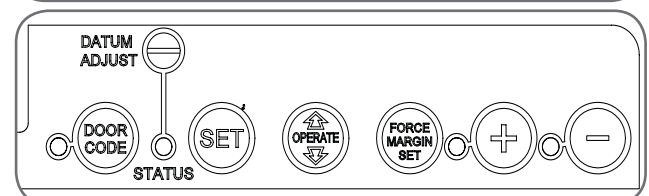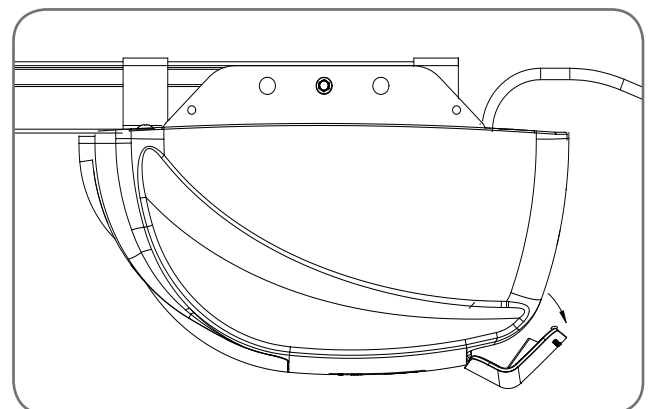
11. Setting the Datum Position

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

NOTE: If Safety Beams are to be used they must be installed before setting the travel limits.

Adjust the Datum

a. Swing open the controls cover to gain the access to the controls panel and swing back into it position when setup is completed.

b. Plug the power cord into a mains point and switch power on. The red CLOSE LIMIT LED will be flashing.
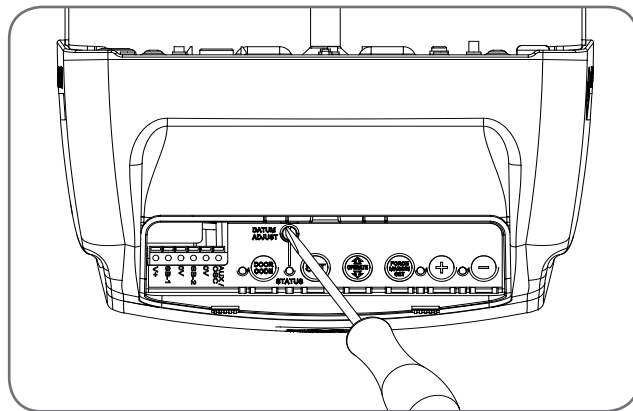
> ⚠ **WARNING! The safety obstruction detection system is inoperable while MINUS (-) and PLUS (+) drive buttons are being used and travel limits are not set.**

c. Press and hold the MINUS (-) or PLUS (+) buttons to move the door to the halfway position. Ensure that the door, shuttle and chain index are engaged.

d. Using a small screwdriver, turn the DATUM ADJUST screw until the STATUS LED comes on.

NOTE: If the STATUS LED is already illuminated when the door is halfway up, turn the DATUM ADJUST screw until the light goes off, then turn back one notch to illuminate again.

Set the Limit Positions:

The Limit Positions can vary due to site conditions, such as uneven ground. When setting the Close limits, ensure the position is when the door makes first contact with the ground. Alternatively for the Open limits the position should be at the height of the garage opening.

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

a. Press and hold MINUS (-) button until the door reaches your desired close limit position. The rubber strip at the bottom of the door should form a good seal with the ground.

b. Release the MINUS (-) button when the door is near the desired closed position. Single presses of the MINUS (-) button will inch the door closer to the ground.

c. If the door overshoots press the PLUS (+) button to move the door in the open direction.

d. When the door is at the desired close position, press the SET button, the OPEN LIMIT LED will now flash.

e. Press and hold the PLUS (+) button until the door reaches your desired open limit position. Single presses of the PLUS (+) button will inch the door open.

f. If the door overshoots press the MINUS (-) button to move the door in the close direction.

> ⚠ **WARNING! The door will automatically close, open and close again after the next step. Ensure that nothing is in the door's path.**

g. When the door is at the desired open position, press the SET button.

h. The door will now automatically close and open to calculate the safety obstruction settings.

Resetting the Door Limit Positions

Limit positions can be deleted by:

a. Press and hold SET button for six (6) seconds until the CLOSE LIMIT LED flashes quickly.

b. Release the SET button.

NOTE: If no action is taken within 30 seconds, the opener will return to normal operating mode and restore the original settings.

c. Follow steps a - f in Set the Limits Poisitions to set new limit positions.

Reset all Factory Defaults

a. Turn power to the opener off.

b. Press and hold the SET Button.

c. Turn power on while holding the SET button. Continue to hold until all LED's are off.

d. This will not erase transmitter codes stored in memory.
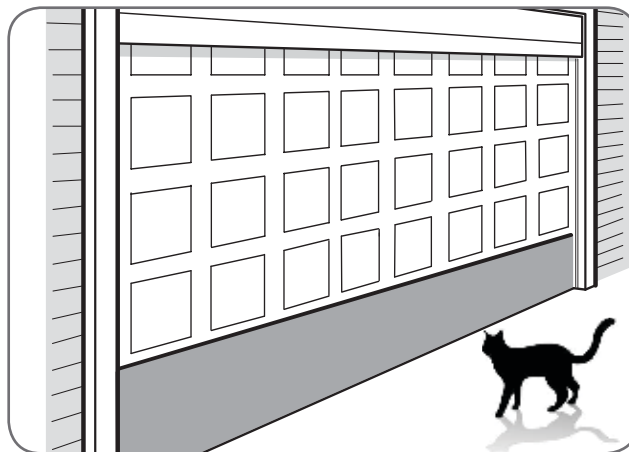
Setting the PET Mode position

When activated, PET mode drives the door to a preset position from the close position, therefore allowing a pet or parcel to go under the door.

a. Drive and stop the door at the deisred 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.

12. Safety Testing

Test the Close Cycle
a. Press the OPERATE button to open the door.
b. If the door closes, press the OPERATE button to stop the door, then press OPERATE again to open.
c. Place a piece of timber approximately 40mm high (or the openers cardboard box) on the floor directly under the door.
d. Press the OPERATE button to close door.
e. The door should strike the object and re-open.
f. Remove the timber or cardboard box.

⚠️ **WARNING! If the door is closing and is unable to re-open when obstructed, discontinue use. Do not use a door with faulty obstruction sensing.**

Testing the Open Cycle
a. Press the OPERATE button to close the door.
b. Press OPERATE again to open the door.
c. When the door reaches approximately half way, firmly grab the door's bottom rail - the door should stop.

If the door does not reverse readily when closing, or stop when opening, put the door into manual by pulling down on the manual release string to diesengage the motor and contact 1300 300 625 for support.

Test the Manual Door Operation
Periodically disengage the opener and manually operate the door. The door must be smooth to operate by hand. The force required on the bottom rail should not exceed 20kg.

Adjusting Safety Obstruction Force
The Safety Obstruction Force is calculated automatically during setup. Adjusting this is normally only necessitated by environmental conditions such as windy or dusty areas, and areas with extreme temperature changes.

To Increase Force Pressure
a. Hold down the FORCE MARGIN SET button.
b. While holding the FORCE MARGIN SET button, press the PLUS (+) button. Each press will increases the force margin.
c. The OPEN LIMIT LED will flash each time the PLUS (+) button is pressed to indicate an increase in force.
d. If the OPEN LIMIT LED flashes continuously when the PLUS (+) button is being pressed, this indicates that the maximum force setting has been reached.
e. Test the force again as per Testing Close Cycle and Testing Open Cycle.

To Decrease Force Pressure
a. Hold down the FORCE MARGIN SET button.
b. While holding the FORCE MARGIN SET button, press the MINUS (-) button. Each press will decrease the force margin.
c. The CLOSE LIMIT LED will flash each time the MINUS (-) button is pressed to indicate a decrease in force.
d. If the CLOSE LIMIT LED flashes continuously when the MINUS (-) button is being pressed, this indicates that the minimum force setting has been reached.
e. Test the force again as per Testing Close Cycle and Testing Open Cycle.

⚠️ **CAUTION: Take care when completing a safety test. Failure to follow this warning can result in serious personal injury and/or property damage.**

Wood 40mm high or opener cardboard box
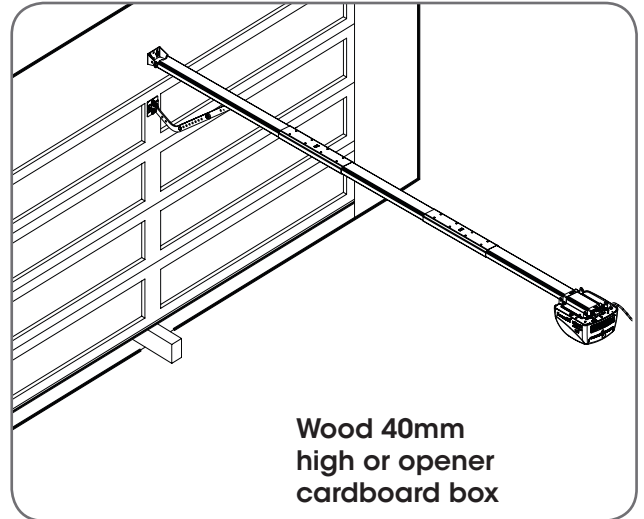
⚠️ **WARNING! If the door fails these tests, put the opener into manual mode, only operate the door by hand and call for service.**
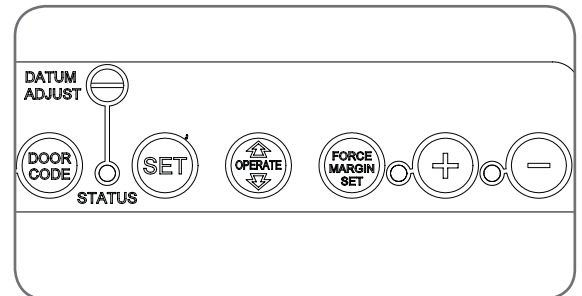
To Recall Factory Set Force
a. Holding down the FORCE MARGIN SET button and the SET button for two seconds.
b. Release both buttons. The default setting should now be recalled.

To Recalculate Force Margins
a. Press and hold the FORCE MARGIN SET Button for six (6) seconds, the beeper will sound once.
b. The door will start to move and re-calculate force margins. The door can move between the open and close limit positions up to four (4) times (depending on the position of the door and the power up condition).
c. A single beep will be heard once the process is complete.
d. Test the force again as per Testing Close Cycle and Testing Open Cycle.

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13. Auto-Close & Auxiliary

Safety Beams

A Safety Beam Kit may be fitted to this opener. When this option is fitted, the operation of this device is such that if an object (i.e car, child etc) blocks the Infra-Red beam, then the garage door opener will not close the door automatically. If the Safety Beam is fitted but not operating correctly, then the door once opened automatically, will not close automatically.

Auto Close Option

Auto-Close mode is a function that automatically closes the door a preset time after the Safety Beams recognise that a vehicle has left the garage. The Auto-Close timer only starts after the Safety Beam's path is broken. If the safety beam path is not broken, the door will remain open until the path is broken. If the opener incurs a physical obstruction (i.e. not from the Safety Beams) while closing the door, it will re-open and not Auto-Close until the Safety Beam's path is broken again.

To enable the Auto-Close function a PG-3 programmer is required to be plugged into the programmer port on the control board. Go to connect a device and select the timer settings.

Auxiliary Output

The auxiliary output can be used to control alarm or another garage door opener. A valid transmission from the pre-coded transmitter will cause the auxiliary output to pulse for approximately 1 (one) second. The maximum DC voltage must not exceed 35 volts DC. Maximum current must not exceed 80 ma.

WARNING! It is compulsory to have Safety Beams installed when using Auto-Close mode.

External device Alarm or Door opener.

AUX / OSC
0V
SB-2
0V
SB-1
V+

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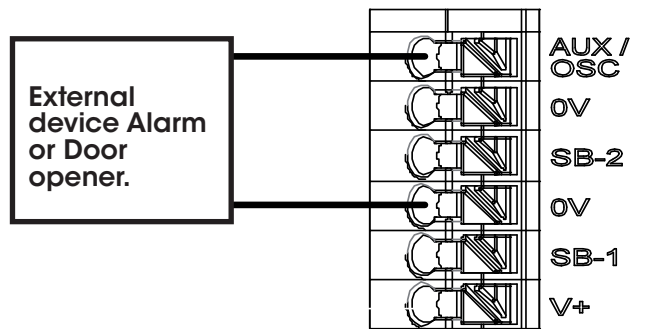
14. Coding a Transmitter

Storing the Transmitter Code
The opener can only operated from remote control transmitters that have been programmed into its memory. Up to 64 codes can be stored in the memory.
a.   Press the DOOR CODE button and release. The DOOR CODE 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 (1) to control the door.   The DOOR CODE LED will flash.
c.   Press the same transmitter button again. The DOOR CODE LED will illuminate for one second then go out.
d.   The transmitter button is now coded - press to test.

Coding a Transmitter to the Courtesy Light
The transmitter can be programmed to operate the courtesy light on the opener independently of the door moving.
a. Press the DOOR CODE button twice - the DOOR CODE LED and courtesy light will both illuminate.
b. Press one of the four buttons on the transmitter for two (2) seconds, pause for two (2) seconds, then press the same button again for two (2) seconds.The DOOR CODE LED will illuminate for one second then go out.
c. Press the transmitter button to test.

Coding a Transmitter Button to Enable Vacation Mode
The opener can be programmed into a "Vacation Mode" where the opener will not respond to any transmitter except the button of the transmitter that was programmed for vacation mode.
a. Press the DOOR CODE button three (3) times - the DOOR CODE LED will illuminate and the courtesy light will flash slowly.
b. Press one of the four (4) buttons on the transmitter for two (2) seconds, the DOOR CODE LED will begin to flash, pause for two (2) seconds, then press the same button again for two (2) seconds.
c. The DOOR CODE 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 and hold the transmitter button for five (5) seconds to set Vacation Mode. The DOOR CODE LED will stay lit while Vacation Mode is active.
e. To reset Vacation Mode, press the same button for two seconds, until the DOOR CODE LED turns off.

Coding a Transmitter to enable AUX Output
a. Press the DOOR CODE button four (4) times - the DOOR CODE 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 DOOR CODE LED will begin to flash, pause for two (2) seconds, then press the same button again for two (2) seconds. The DOOR CODE LED will illuminate for one second then go out.
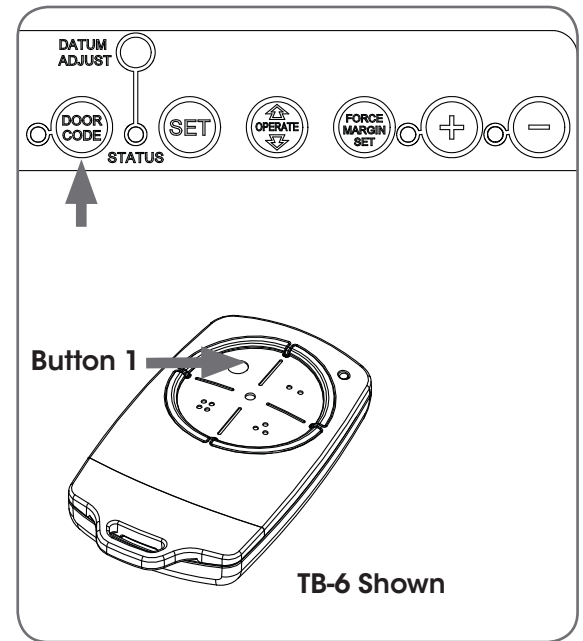c. Press the transmitter button to test.

Button 1

TB-6 Shown

IMPORTANT NOTE: Only Tri-Tran+™ Technology Transmitters are compatible with these SDO products.

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14. Coding a Transmitter

**Setting the Transmitter to Operate PET (Pedestrian) Mode**
The PET mode position (see Programming the Opener) must set prior to coding a transmitter.
a. Press the DOOR CODE button five (5) times - the DOOR CODE LED will illuminate and the courtesy light will flash quicky (twice per second).
b. Press one of the four (4) buttons on the transmitter for two (2) seconds, the DOOR CODE LED will begin to flash, pause for two (2) seconds, then press the same button again for two (2) seconds.
c. The DOOR CODE 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.
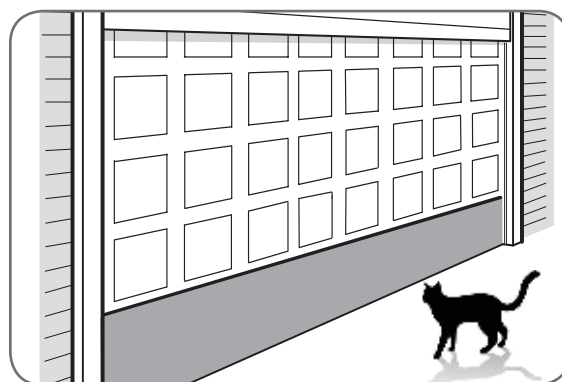
Installation of the Wall Mounted Transmitter
a. Mount the transmitter in a convenient location, yet out of reach of children and at least 1.5m off the ground.
b. Make sure the door is visible from this location.
c. To set the transmitter press the DOOR CODE button and release. The DOOR CODE LED will 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.
d. Press the transmitter button (one of four) that you want to control the door. The DOOR CODE LED will flash.
e. Press the same transmitter button again. The DOOR CODE LED will illuminate for one second then go out.
f. The transmitter button is now coded - press to test
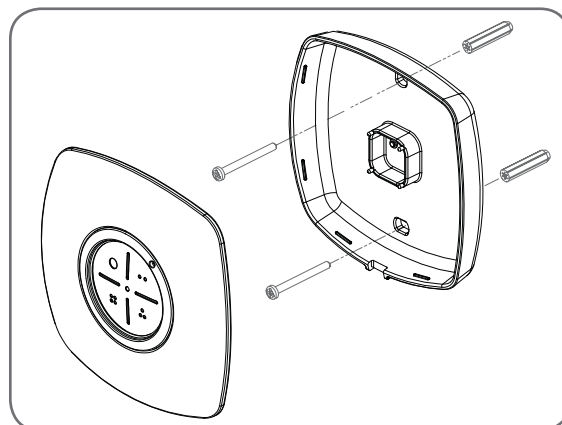
Remotely Coding Transmitters
Using this method transmitters can be coded without access to the opener's control panel as long as a pre-coded transmitter is available.
a. Take any pre-coded transmitter. Press the button for the function to be duplicated and release.
b. Using a small needle / pen, press 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.
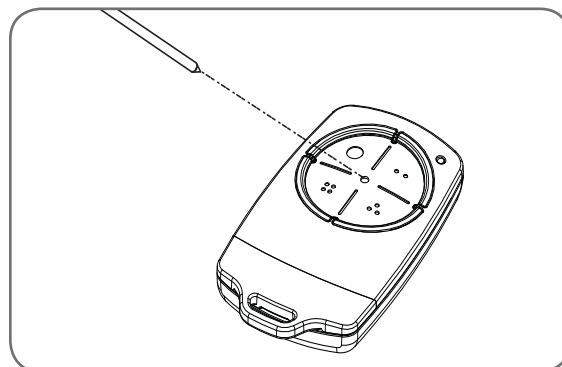
Erasing Programmed Codes
If the DOOR CODE button is pressed and held for six (6) seconds the DOOR CODE LED will blink rapidly for one second to indicate that all programmed codes have been erased.

15. Home Owner Safety Warnings!

This automatic garage door opener is designed and tested to offer safe service provided it is installed and operated in strict accordance with the following safety warnings. Failure to comply with the following instructions may result in death, serious personal injury or property damage.

Please read these important safety warnings!

WARNING!

- When operating the manual release while the door is open, the door may fall rapidly due to weak or broken springs, or due to being improperly balanced.
- **DO NOT** disengage the opener to manual operation with children/persons or any objects including motor vehicles within the doorway.
- If the door is closing and does not re-open when obstructed, discontinue use. **DO NOT** use a door with faulty obstruction sensing.

ELECTROCUTION!

- Place opener in protected area so that it does not get wet.
- **DO NOT** spray with water .
- **DO NOT** open the protective covers.
- **DO NOT** operate opener if cable is damaged.

Options dialog box, which appears when saving an Adobe Illustrator file using the Save As command.

This is an Adobe® Illustrator® File that was saved without PDF Content. To Place or open this file in other applications, it should be re-saved from Adobe Illustrator with the "Create PDF Compatible File" option turned on. This option is in the Illustrator Native Format Options dialog box, which appears when saving an Adobe Illustrator file using the Save As command.

DO NOT DO IT YOURSELF

- Keep the garage door balanced. Sticking or binding doors must be repaired. Garage doors, door springs, brackets and their hardware are under extreme tension and can cause serious personal injury. **DO NOT** attempt any garage door adjustment. **DO NOT** use if repair or adjustment is needed. Call for a professional garage door service.

CAUTION:

Emergency access
- If your garage has no pedestrian entrance door, an emergency access device should be installed. This accessory allows manual operation of the garage door from outside in case of power failure.

Entrapment under operating door
- Watch the moving door and keep people away until the door is completely opened or closed. **DO NOT** operate door when persons are near the door.
- **DO NOT** allow children to play with door controls or transmitters.
- Regularly conduct Open and Close cycle testing.
- Ensure the garage door is in good working order by undertaking regular servicing.
- Wall transmitters should be installed in a location where the garage door is visible, but out of the reach of children at a height of at least 1.5m.
- Install Safety Beams (recommended).

Fall from Ladder
- Ensure ladder is the correct type for the job.
- Ensure ladder is on flat ground.
- Ensure user has 3 points of contact while on ladder.

Entanglement in or laceration from moving door
- Keep hands and loose clothing clear of door and guides at all times.
- Keep hands clear of moving door as sharp edges can cause cuts or lacerations.

16. Opener Safety & Security

Your Door CAN NOT be used by the opener when:
a. There is a locking device installed.
b. There is a power failure.

Your Door CAN be used when:
a. There is an emergency, by disengaging the opener.
b. There is a power failure, by disengaging the opener.

To Disengage the Opener:
a. It is recommended to do so with the door in the closed position.
b. Pull the manual release cord towards the door, until you hear a click.
c. Move the door manually.

> ⚠ **CAUTION: When the opener is manually disengaged, the door is no longer locked. To lock the door manually, re-engage the opener after the door is closed.**

To Re-Engage the Opener:
a. Check the door has not been locked by a locking device.
b. Pull the manual release cord away from the door, until you hear a click.
c. The door will now operate from the opener.

> ⚠ **CAUTION: Do not use the string handle as a mechanism to open the door. Failure to comply may cause serious injury.**

> ⚠ **WARNING! When operating the manual release (while the door is open) the door may fall rapidly due to weak or broken springs, or due to being improperly balanced.**
>
> **Do not disengage the opener to manual operation with children/ persons or any objects including motor vehicles within the doorway.**

MANUAL RELEASE ⚠

DOOR

TO DISENGAGE
PULL HANDLE
TOWARDS DOOR

ENGAGE
POSITION

DISENGAGE
POSITION

TO RE-ENGAGE
PULL HANDLE
AWAY FROM DOOR
AND RELEASE
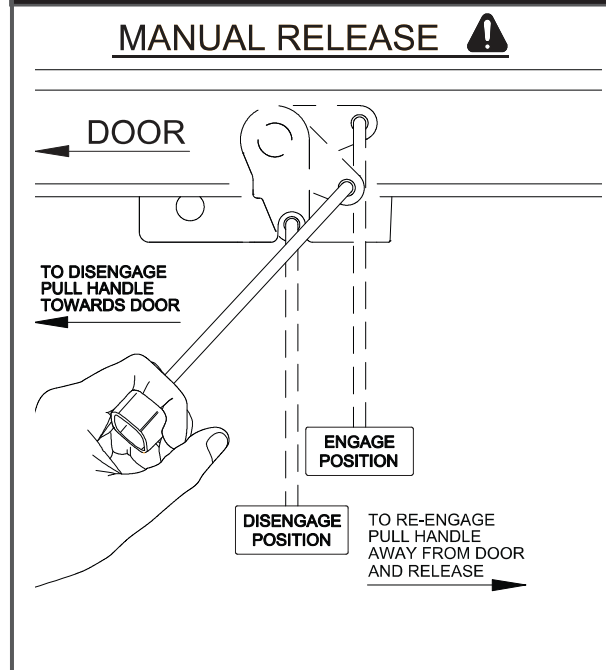
17. Operating your Opener

To Operate the opener:
a. Press the programmed transmitter button until your door begins to move (usually 2 seconds). Make sure you can see the door when you use the transmitter.
b. If you are in a vehicle you should aim the transmitter through your windscreen as shown.
c. Check that the door is fully open or closed before you drive in or away.
d. If you press the transmitter whilst the door is moving the door will stop. The next press of the transmitter will move the door in the opposite direction.
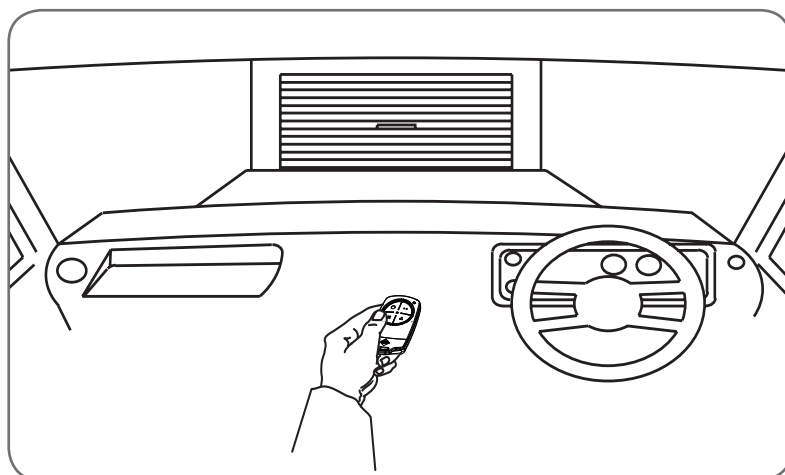
18. User Operating Controls

Button	Function
1. OPERATE	Opens/stops/closes the door
2. CODING LED (Red)	Flashes when a code is being stored or when the transmitter button is pressed
3. DOOR CODE (Blue)	Is used for storing or erasing transmitter buttons for door operation
4. DOOR STATUS LED (Yellow)	Illuminates when Service is due.
5. OPEN LED (Green)	Illuminates and flashes as the door opens and remains on when the open limit position has been reached.
6. CLOSE LED (Red)	Illuminates and flashes as the door opens closes, and remains on when the close limit position has been reached.
7. SET (Orange)	Is used during installation. The SET button is also used to program the PET (Pedestrian) position and to re-initialise the opener.
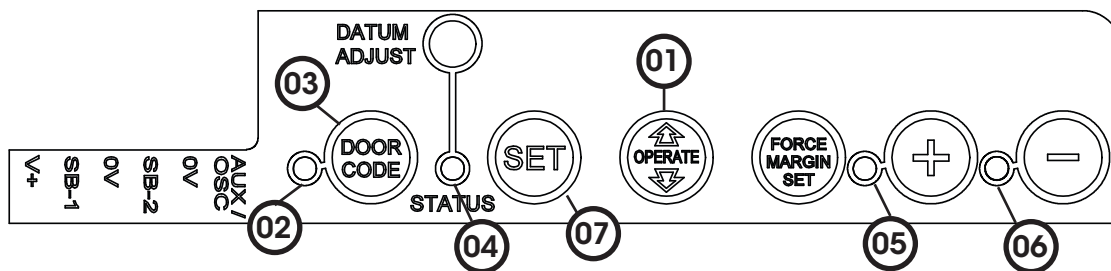
19. Door Status Indicators

Door Status Indicators	OPEN LED (green)	CLOSE LED (red)	Beeper
Open	On		
Close		On	
Opening	Flashing		
Closing		Flashing	
Door travel stopped	Flashing	Flashing	
Door obstructed when opening	Flashing		Beeps while door is moving
Door obstructed when closing		Flashing	Beeps while door is moving
Opener overloaded	Alternating flashes	Alternating flashes	
Mains power interrupted	Rapid flashes		

20. Specifications

Technical Specifications	Controll-A-Door® S		PanelPro®	
Power supply	230V - 240Va.c. 50Hz		230V - 240Va.c. 50Hz	
Maximum door opening Width: Height: Door Area: Weight: Door must be well balanced and able to be operated by hand, as per warranty conditions and AS/NZS 4505:2012	5500mm 2440mm 16.5m^2 175kg		4950mm 2440mm 13.5m^2 110kg	
Minimum headroom	25mm		25mm	
Short Term Peak force Chain: Belt:	10 Tooth Sprocket: 1200N	12 Tooth Sprocket: 1000N 800N	10 Tooth Sprocket: 800N	12 Tooth Sprocket: 650N 550N
Nominal force	150N (15kg)		150N (15kg)	
Receiver type	Multi-frequency UHF FM (433.47, 433.92 & 434.37MHz)		Multi-frequency UHF FM (433.47, 433.92 & 434.37MHz)	
Receiver code storage capacity	64 x Tri-Tran⁺ 4-button Transmitters		8 x Tri-Tran+™ 4-button Transmitters	
Coding System	Tri-Tran⁺ Technology		Tri-Tran+™ Technology	
Coding type	Non-linear encryption algorithm		Non-linear encryption algorithm	
Number of code combinations	Over 100 billion random codes		Over 100 billion random codes	
Transmitter battery	CR2032 (3 Volts)		CR2032 (3 Volts)	
Courtesy light	Festoon style lamp 24volts 15 watts		Festoon style lamp 24volts 15 watts	
Network connectivity	Network compatible, (requires optional Smart Phone Control Kit and SmartHub)		Network compatible, (requires optional Smart Phone Control Kit and SmartHub)	

Note: Intermittent operations may occur in areas which experience very strong winds. The strong wind puts extra pressure on the door and tracks which may in turn intermittently trigger the safety obstruction detection system.

21. Troubleshooting

Symptom	Possible cause	Remedy
The opener does not work from the transmitter	Garage door in poor condition e.g. springs may be broken	Check the door's operation
	The opener does not have power	Plug a device of similar voltage (e.g. a hairdryer) into the power point and check that it is OK
	The battery in the transmitter is flat	Replace the battery
	Transmitter does not contain Tri-Tran+™ Technology	Check that the transmitter has grey buttons and the model number on the back displays V2. Contact dealer for support if otherwise.
	The opener has been put into "Vacation Mode"	Turn off "Vacation Mode" (Section 16)
	The transmitter button is not programmed to operate the door.	Code in the transmitter
	Door Code LED is flashing yet the opener is not working.	Ensure the correct button on the transmitter is being pressed.
One transmitter works but the other/s do not	Faulty transmitter	Replace transmitter
	Flat battery	Replace battery
The chain moves but the door remains stationary	The opener is disengaged	Re-engage the opener
Motor is running but chain is not moving	Damage motor assembly	Contact your dealer for support.
The transmitter range varies or is restricted	Variations are normal depending on conditions e.g. temperature or external interference	Make sure you can see the door when you use the transmitter.
	The battery life is exhausted	Check the battery status by pressing a button (flashing or no light requires battery to be changed)
	Position of the transmitter in the motor vehicle	Aim the transmitter through the windscreen.
The Courtesy light does not work	LED has failed	Change LED.
The door reverses for no apparent reason	This may occur occasionally from environmental conditions such as areas that are windy, dusty or have extreme temperature changes.	Ensure the door runs smoothly before increasing the force pressure.
	If Safety beams are installed they may be partially obstructed.	Ensure the beam path is not obstructed. Check the Alignment.
Auto Close not working	Safety Beam or wiring faulty	Repair Safety Beam or replace wiring. Re-align optics. See Safety Beam instructions.
The door stops or moves very slowly under battery (Optional Battery Back Up Accessory)	The batteries may have little OR no charge	Connect mains power and leave the batteries to charge. The batteries may take 24 to 48 hours to reach their maximum charge capacity.

21 Troubleshooting

Symptom	Possible cause	Remedy
The SERVICE LED has started to flash and is beeping numerous times	A Fault has been detected. The fault will be active each time an attempt is made to operate the door.	Record opener function (How many beeps?) then press the SET button once to reset the opener. If the fault continues to be tripped contact 13 62 63 for support.
The Open (Green) LED and Close (Red) LED are flashing alternatively	Opener is overloaded	Check the doors operation by disengaging the motor and ensuring the door runs smoothly. If necessary make door adjustments or contact your door professional.
The Open (Green) LED continues to flash	Door obstructed when opening	Clear away any obstructions and test door opens correctly. (If door is damaged, contact your door professionl).
The Close (Red) LED continues to flash	Door obstructed when closing	Clear away any obstructions and test door closes correctly. (If door is damaged, contact your door professional).
	Limits may be cleared	Remove all power sources (including the battery backup). Wait till all lights are out (10-15 secs), then reconnect power. If Red LED is flashing, limits are not set. Reset Limits.

Date	Time	Number of Beeps

If You Need a Service Call

If the opener needs a service please call the dealer who installed the garage door opener (their contact details are usually on a sticker on the back of your garage door). For product assistance contact 13 62 63 within Australia.

BEFORE CALLING you should have the following information to assist in providing the appropriate service:

1. Has anything happened since the opener last operated OK, e.g. a storm, a jolt to the door etc.?
2. What is the current light status on the opener?
3. Manually disengage the door (Section 17).
   How easy is it to manually open and close the door?
4. What model is the opener? (Model no. information is located at the rear of the opener)
5. Who installed the opener? (Dealer details should be on a sticker on the back of your garage door)
6. When was it installed? (If known)

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22. Maintenance

Door Maintenance

A poorly maintained door could cause fatal / serious injuries or damage to property.

• Frequently examine the door, particularly the cables, springs and mountings for signs of wear, damage or imbalance. **DO NOT USE** if repair or adjustment is needed since a fault in the installation or an incorrectly balanced door may cause injury.

• Fasterners: Check all screws, nuts and bolts to ensure they are secure.

• Spring Tension: It is natural for springs to lose tension. Should the door become hard to operate or completely inoperative, contact a door professional.

• Guide Tracks: Clean the internal sections of the guide tracks every 3 - 6 months with a cloth dampened with mineral turps or methylated spirits.

⚠ **WARNING!** Failure to maintain your garage door may void the warranty on your garage door opener.

DO NOT DO IT YOURSELF: Door adjustments should only be carried out by experienced persons, as this function can be dangerous if not performed under strict safety procedures.

❗**tip** Run the Safety Testing procedures MONTHLY in Section 12 to ensure garage door is fit for use.

23. Battery Replacement

Battery Type:

3V Lithium Battery CR2032.

• To test the battery is working, press and hold a transmitter button. Check Light Status table to determine if battery needs replacing

Light Status	Battery Status
Solid	OK
Flashing	Requires replacement
No light	Requires replacement

• Use finger nails to separate the transmitter casing to expose circuit board.

• Use a non-metallic object (e.g. pen) to remove the battery.

Use a pen to push the battery down through the side opening to release battery
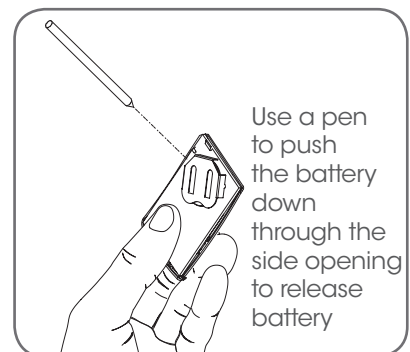
24. Battery Disposal

When batteries reach the end of their usual life in accordance with Australian Battery Recycling Initiative please follow the next simple steps for protecting the environment. Refer to the B&D website for information on where to recycle batteries in Australia.

🗑 **DO NOT** throw the batteries in municipal waste. This symbol of the crossed out wheeled bin indicates that the battery should not be placed in the municipal waste. Check your local regulations for appropriate disposal of the batteries.

Recycling all batteries will have other environmental and social benefits:

• Some batteries are less toxic but hazardous for other reasons. Lithium batteries can explode or catch fire in landfill, while button cells are dangerous if swallowed by children. Recycling offers a safe and environmentally responsible solution for end of life batteries.

• Battery recycling recovers non-renewable materials such as lead, cadmium, stella, zinc, manganese, cobalt, silver, plastics and rare earth elements.

• Removal of batteries and other hazardous household products from household waste facilitates the recovery of organic materials through alternative waste technologies such as composting. Batteries and heavy metals are known contaminants in compost.

• The community supports recycling because it reduces waste to landfill and achieves environmental benefits.

⚠ **WARNING! Prior** to disposal, recycling, or collection, all battery terminals must be securely insulated with a non conductive material to prevent any two batteries from short circuiting and generating heat during storage or transport. Battery terminals may be insulated with electrical tape; or batteries may be individually packaged in a non conductive material (e.g., plastic bag or original packaging).

25. Service Schedule

Service Indicator (Only Available with CAD S)

While the door opener does not require regular servicing, to function correctly the door must be in good operating condition. As a reminder the Controll-A-Door® S has a built in maintenance counter. This counter has a factory default of 3000 cycles, which is the recommended service interval.
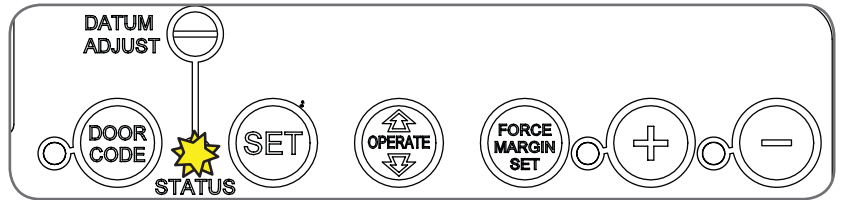
When this counter expires the yellow SERVICE LED will light up and opener beep three times at the start of each cycle. In addition the courtesy light will flash and opener beep five times at the end of open cycle (when the door is fully open).

These warning signals will self extinguish after 30 cycles. **When this service counter is triggered it is strongly recommended you contact your garage door dealer to arrange a door service. See above for Recommended Service Schedule.**

However, if you choose not to have your door serviced the counter can be reset simply by pressing the SET button.

Recommended Service Schedule

Year / Approx. Cycles	Date	Details
1 / 3,000		
2 / 6,000		
3 / 9,000		
4 / 12,000		
5 / 15,000		

B&D Doors is a division of B&D Australia Pty Ltd
Phone: 13 62 63
Website: www.bnd.com.au

26. Warranty

This Warranty is given by B&D Doors a division of B&D Australia Pty Ltd (ABN 25 010 473 971), 34-36 Marigold St, Revesby 2212, 13 62 63, enquires@bnd.com.au.

PLEASE NOTE:
• This Warranty is in addition to any statutory, non-excludable guarantees or warranty rights and remedies under the law. See section 5 below.
• This warranty applies to the original purchaser only and may not be transferred.
• This Warranty is to be read in conjunction with the owner's copy of the installation instruction manual.
• In this warranty, 'B&D Representative' means an entity authorized by B&D to service B&D products. Please check the B&D website for details.

⚠ **It is a condition of the below warranties that the manual operating (opening and closing) force of the door by hand does not exceed 20kg.**

MODEL	WARRANTY	DOOR (MAX)
SECTIONAL		
CAD Advance	7 yrs / 20,000 cycles	200kg
CAD S	7 yrs / 20,000 cycles	175kg
Panel Pro	5 yrs / 10,000 cycles	110kg
ROLLING		
CAD PowerDrive	7 yrs / 20,000 cycles	110kg
Roll-A-Pro	5 yrs / 10,000 cycles	110kg
EXTRAS		
TRACK ASSEMBLY (includes all parts)	1 year	
TRANSMITTERS & ACCESSORIES	1 year	

NOTE: CONSUMABLES (eg Batteries in remote control transmitters and light bulbs and fuses) are not covered by this warranty

1. MAKING A CLAIM
a) The product parts in the above table should operate in accordance with the product manual for the time period shown, provided you comply with the manufacturer's instructions concerning installation, operation, maintenance and testing. Failure to do so may void all or part of this warranty.
b) If, during the relevant warranty period, a product part in the table above appears to contain a defect, call the retailer from whom you purchased the product, or B&D on 13 62 63, and they will instruct you what to do next.
c) You are responsible for the cost of making a claim under this Warranty. Additional access expenses where the Product is not readily accessible must be borne by you.
d) If B&D or B&D's Representative confirms the product is defective and covered by this Warranty, B&D will repair or replace it (at B&D's sole option) at no cost to you. Goods presented for repair may be replaced or repaired by refurbished goods or parts of the same type.

2. WARRANTY CONDITIONS
It is a condition of this warranty that:
a) you provide a copy of the receipt of original purchase of the product, and the serial number of the Product which can be found on the label adhered to the Product.
b) the door and opener are properly maintained by being serviced by a qualified professional at regular, appropriate intervals. What is appropriate may vary based on environmental factors (eg. weather, salt exposure) and level of usage. Based on average use and environmental conditions, B&D recommends that the product is serviced by B&D or a B&D Representative, within 12 months of installation (to allow for new doors to settle) and at regular intervals not exceeding 2 years.

3. WARRANTY EXCLUSIONS
This warranty excludes defects or improper operation resulting from:
a) excessive wear and tear that may cause the product to fail;
b) accidental, deliberate or negligent damage or damage cause by insects, dirt, plants or other objects;
c) blown fuses, electrical surges, power surges or power spikes or faulty or unsuitable electrical wiring of structures to which the product is affixed;
d) theft, fire, flood, rain, water, lightning, storms or any other acts of God;
e) salt or other corrosion due to environmental conditions;
f) any installation, configuration or use of the product contrary to the instructions supplied with the product;
g) maximum continuous operating time exceeding 1 minute in10 minutes;
h) the manual operating (opening and closing) force of the door by hand exceeding 20kg;
i) weight exceeding amounts listed in table above;
j) the door used with the product not being in safe working order and condition;
k) any modification to the product or acts of any person in respect of the product which are not authorized by B&D and which impact Product performance;
l) installation of a residential garage door opener in a commercial or industrial premises or in a dwelling other than a single-family dwelling; or
m) radio or electrical interference or lack of availability of signal.

4. OTHER CONDITIONS
a) This Warranty is not transferable.
b) The warranty period stated in the table will not be extended for Products or parts repaired or replaced during the relevant warranty period.
c) Where the Product is sold by any person other than B&D, except for the warranty set out above, such person has no authority from B&D to give any warranty or guarantee on B&D's behalf in addition to the warranty set out above.

5. STATUTORY GUARANTEES OR WARRANTIES IN AUSTRALIA
If you are a consumer under the Australian Consumer Law, our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.
This warranty certificate and other statements contained in this document or other B&D documents given to you do not exclude, restrict or modify the application of all or any of the provisions of the Australian Consumer Law.
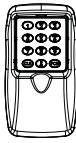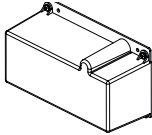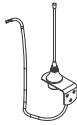
To the extent permitted by the Act or other laws, B&D:
a) limits its liability for breach of a statutory guarantee to the payment of the cost of replacing the Product or acquiring an equivalent Product; and
b) expressly excludes any liability for consequential loss and incidental or indirect damages (including but not limited to damages for loss of business profits, income, business, goodwill or reputation, or business interruption) due to a defect of the Product.

27. Optional Accessories

There are a range of additional accessories for your added convenience and security. Contact your Dealer for installation of these accessory items.

	• **Safety Beams** - Provides additional protection if the door is closing onto your property or person. Simply breaking the beam "stops" the door!
IMPORTANT NOTE: Only Tri-Tran+™ Technology Transmitters and Keypads are compatible with these SDO products. / TB-6 Shown	• **Keyring Transmitter** - Ideal for personal use when entry into the house may be via the garage. • **Wall Button Transmitter** - Allows you to operate the opener within 10 metres of the door. Ideal for mounting inside the house.
	• **Wireless Keypad** - The entry keypad allows entry to the garage without using a transmitter.
	• **Battery Back-up** - The opener has a provision for a Battery Back Up kit that allows continued operation of the door in the absence of mains power.
	• **External Antenna** - For sites where radio range may be reduced.

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Is your opener beeping or flashing?

It may be time for a service

For a service, contact your dealer using the details below...

Dealer: