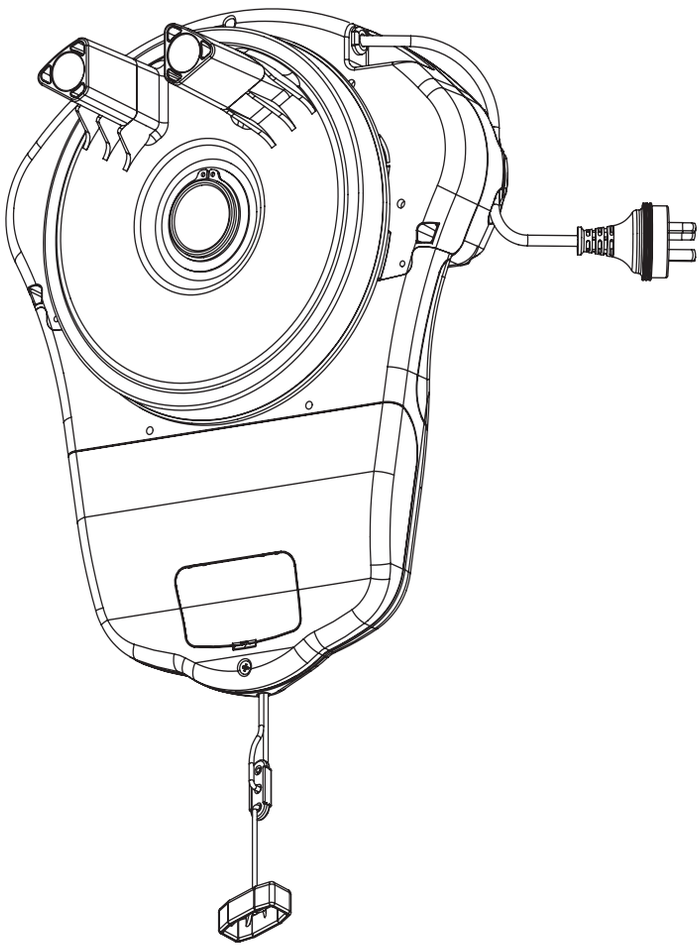
Power Drive & Roll-A-Pro®

Rolling Door Opener

installation instructions



These instructions are intended for professional garage door opener installers.
All references are taken from inside looking out.

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Contents

WARNING! IMPORTANT SAFETY INSTRUCTIONS

FOLLOW ALL INSTRUCTIONS SINCE INCORRECT INSTALLATION CAN LEAD TO SEVERE INJURY.

- before installing the drive, remove all unnecessary ropes or chains and disable any equipment, such as locks, not needed for powered operation;
- before installing the drive, check that the door is in good mechanical condition, correctly balanced and opens and closes properly;
- install the actuating member for the manual release at a height less than 1,8 m;
- install any fixed control at a height of at least 1,5 m and within sight of the door but away from moving parts;
- permanently fix the labels warning against entrapment in a prominent place or near any fixed controls;
- permanently fix the label concerning the manual release adjacent to its actuating member;
- after installation, ensure that the mechanism is properly adjusted and that the drive reverses when the door contacts a 40 mm high object placed on the floor.
- necessary information for the safe handling of a drive weighing more than 20 kg. This information shall describe how to use the handling means, such as hooks and ropes;
- the drive must not be used with a door incorporating a wicket door (unless the drive cannot be operated with the wicket door open);
- after installation, ensure that parts of the door do not extend over public footpaths or roads.
- vertical doors and gates need an anti-drop feature or device;
- information if a hazardous part of the drive is intended to be installed at a height of at least 2.5 m above floor level or other access level;
- except for horizontally moving pedestrian doors, ensure that entrapment due to the opening movement of the driven part is avoided

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. • Do not move under a door while it is on the door support (or ladder) • Follow the installation instructions • Fit door support (or ladder) snugly under door before removing bracket. • Ensure door support (or ladder) is on flat ground
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)

1. 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.

WARNING! IMPORTANT SAFETY INSTRUCTIONS

IT IS IMPORTANT FOR THE SAFETY OF PERSONS TO FOLLOW ALL INSTRUCTIONS. SAVE THESE INSTRUCTIONS

WARNING!

- Automatic Door - the door may operate unexpectedly, therefore do not allow anything to stay in the path of the door.
- Details on how to use manual release. 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.
- Frequently examine the installation, in particular check cables, springs and mountings for signs of wear, damage or imbalance. **DO NOT** use if repair or adjustment is needed since fault in the installation or an incorrectly balanced door may cause injury..

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. It must be replaced by the manufacturer, its service agent or similarly qualified person in order to avoid a hazard.
- Disconnect the supply(s) when cleaning or other maintenance is being carried out..

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.

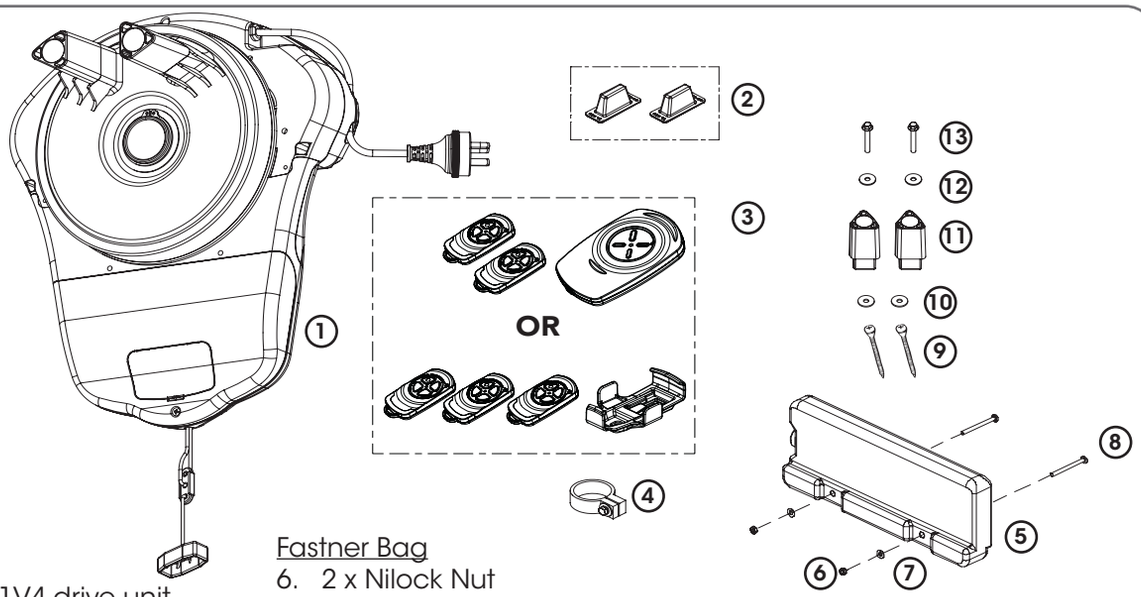
BATTERY WARNING!

- This product contains a lithium button/coin cell battery in the transmitters. If a new or used lithium button/coin cell battery is swallowed or enters the body, it can cause severe internal burns and can lead to **DEATH** in as little as 2 hours. Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the battery and keep it away from children. If you think batteries might have been swallowed or placed inside any part of the body, **SEEK IMMEDIATE MEDICAL ATTENTION.**

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. Keep remote controls away form children. • The appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction. • Children being supervised not to play with the appliance. • Regularly conduct Open and Close cycle testing. • Each month check that the drive reverses when the door contacts a 40mm high object placed on the floor. Adjust if necessary and recheck since an incorrect adjustment may present a hazard. • 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.

2. Kit Contents



1. Power Drive 1 x RDO-1V4 drive unit
   Roll-A-Pro™ 1 x RDO-1V3 drive unit
2. 2 x Locking Bar Covers
3. Power Drive 2 x TB-7 Transmitters
   1 x Wall Mount Transmitter
   Roll-A-Pro™ 3 x TB-7 Transmitters
   1 x Wall / Visor Clip
4. 1 x Collar Kit
5. 1 x Weight Bar

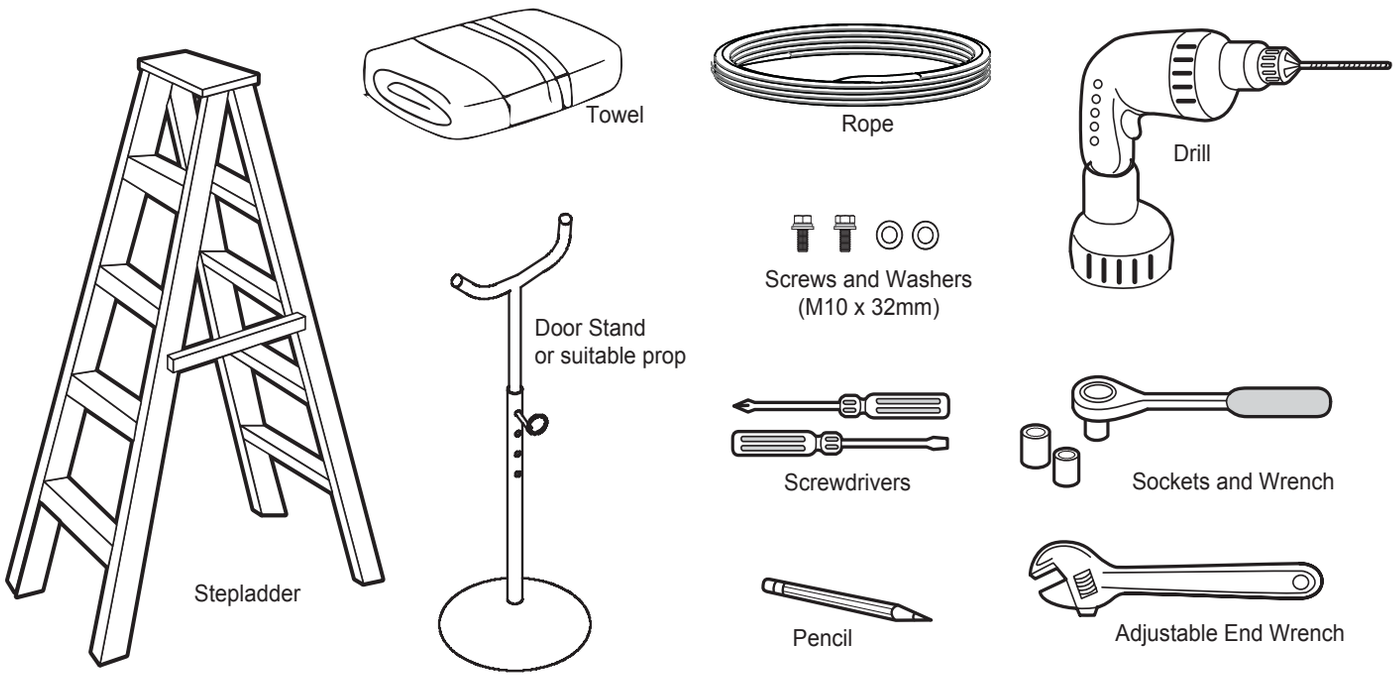
Fastner Bag

6. 2 x Nilock Nut
7. 2 x 2 x 3/16 x 1/2 flat washers
8. 2 x Pan Head Screw M4 x 50
9. 2 x Self Tapping Screw M10 x 32
10. 2 x Washer 6.4 x 20.6 x 1.2 GAL

Accessory Pack

11. 2 x Extension Fork
12. 2 x Flat Washer 107D 6.4 x 20.5 x 1.6
13. 2 x Hex Serration Head Screw M6 x 45

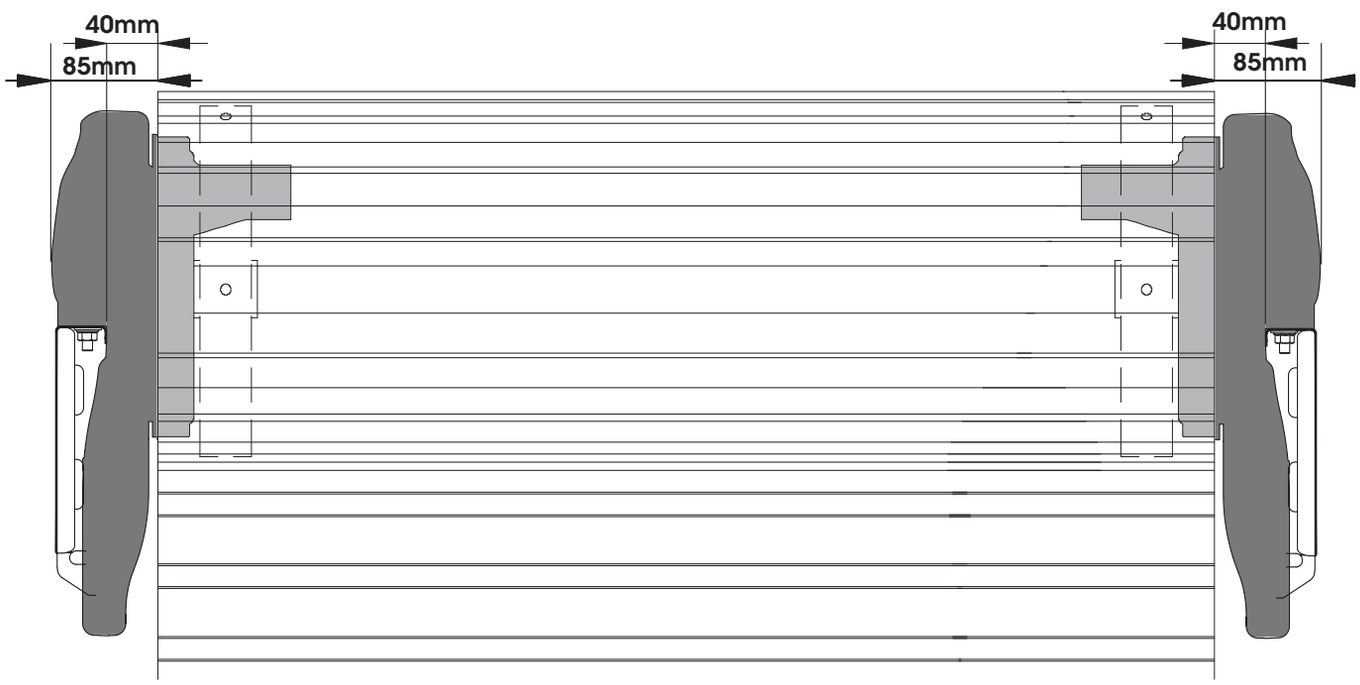
3. Tools Required



4. Setup Requirements

4.1 The Opener:

a. MUST BE installed in a dry position, protected from weather. (Moisture or corrosion not covered by Warranty)
b. Is factory set for RIGHT HAND SIDE installation (from inside garage), but capable of LEFT HAND SIDE installation.
c. REQUIRES properly earthed 3 pin single phase power within an arms length of door and at a suitable height
d. Requires a MINIMUM SIDEROOM of 41mm from the edge of the door to the inside of the door bracket and 85mm to the wall.
e. CAN NOT be installed on a Door Axle Diameter that exceeds 35mm.



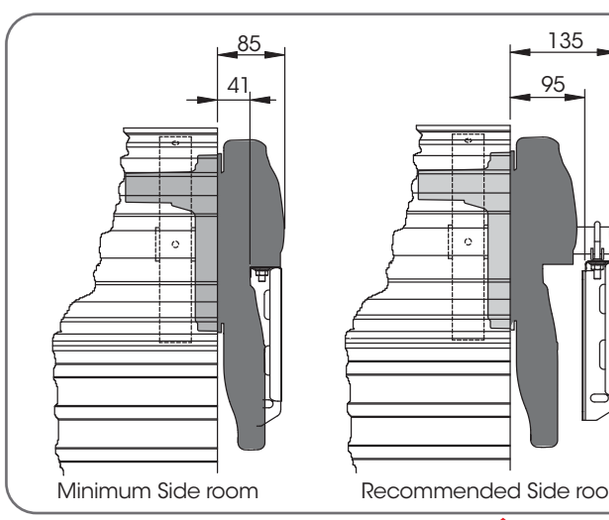
WARNING! A portable power generator is not recommended due to spikes, surges and fluctuations in the supply.

4.2 Unsuitable Door Types

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 fitting of an opener to doors with removable mullions is not recommended.

4.3 Sideroom

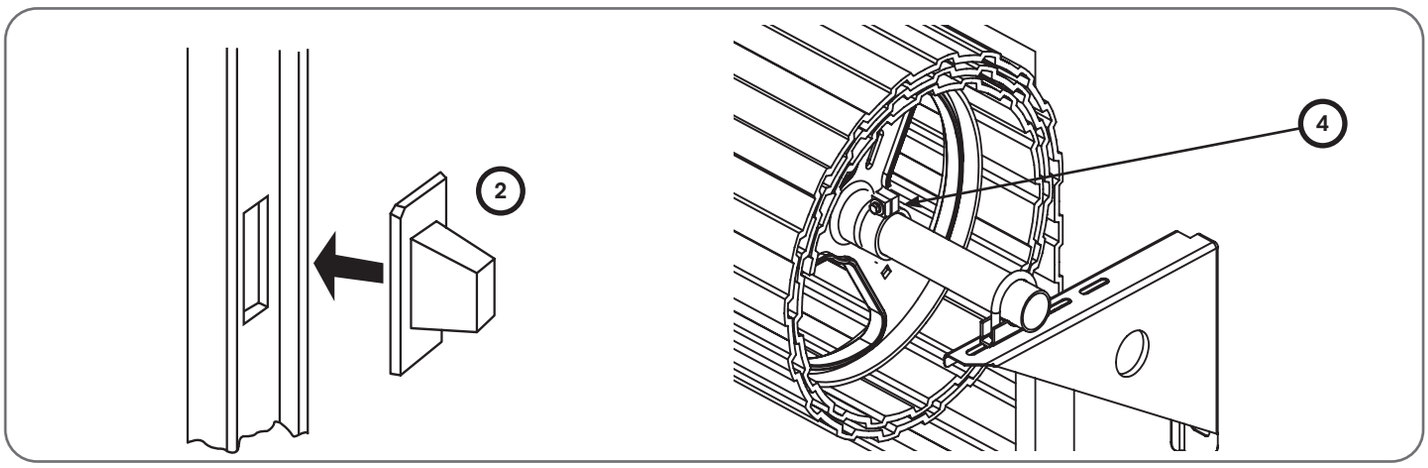
The minimum sideroom required from the edge of the door curtain is 41mm to the inside of the door bracket, and 85mm to the wall. If a Battery Backup is to be fitted, at least 135mm to the bracket is required.
Therefore the recommended sideroom from the edge of the door curtain is 95mm to the inside of the door bracket, and 135mm to the wall as per diagram.



5. Door Preparation

5.1 Prepare the Door:

a. Clean the guides if there is any oil or wax present using a suitable white spirit. The only lubricant suitable for use on door guides is silicon spray. DO NOT use WD-40, RP-7, petroleum grease, or similar.
b. Remove the locking bars or disable the lock.
c. Install the locking bar covers (2) if there are locking bar holes in the guides. This ensures fingers cannot be placed in the holes while the door operates
d. Affix the supplied warning labels where they are clearly visible on the inside of the door.
e. Install the collar kit (4) to the OPPOSITE end to where the opener is being installed.
f. Fit the collar kit hard up against the drum.



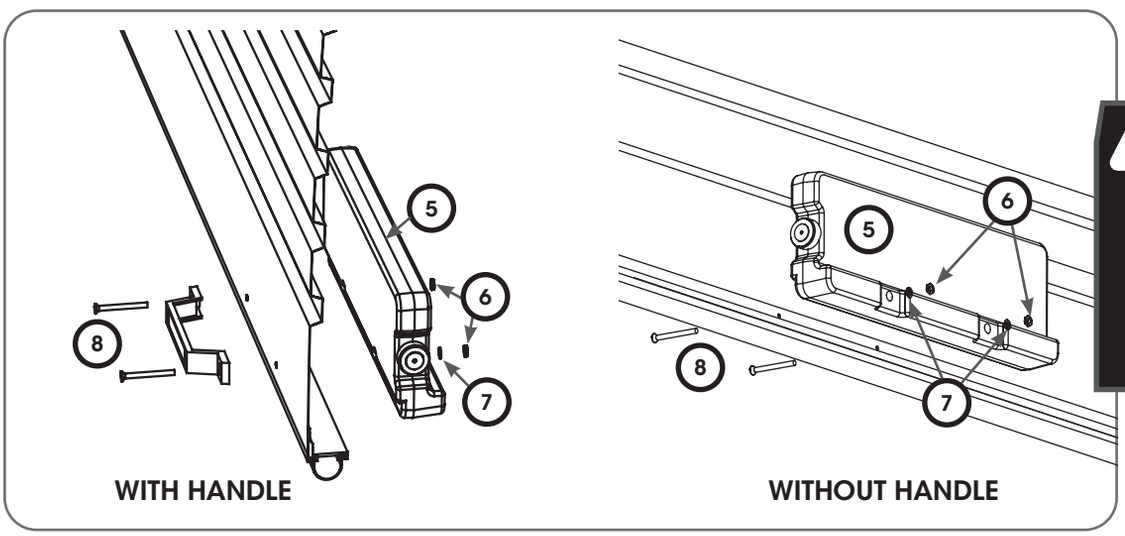
6. Fit the Weight Bar

If the door has a handle a weight bar must be fitted to ensure the door doesn't balloon during operation:

a. Remove the door handle
b. Fit the weight bar (5) and refit the handle using the two (2) M4x50mm Pan Head Screw (8) and the two (2) Flat Washer (7) and the two (2) M4 Nilock Hex nut (6).

If the door does not have a handle:

a. Locate the centre of the door at the bottom rail.
b. Place the weight bar at this point and mark the two positions where the fasteners will go
c. Drill the two 4.5mm holes in the door and fit the weight bar (5) using the two (2) M4x50mm Pan Head Screw (8) and the two (2) Flat Washer (7) and the two (2) M4 Nilock Hex nut (6).
d. Check that the door is still balanced and smooth. If not, then the door may require servicing.



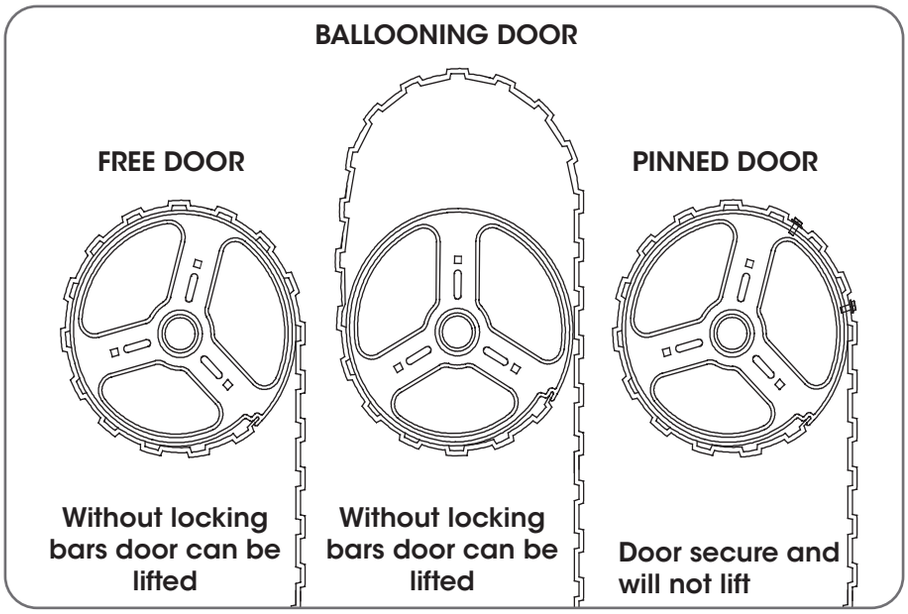
WARNING! To reduce the risk of damage to persons or property, be sure to cut off any excess thread of the screw that protrudes the weight bottle and file any burs.

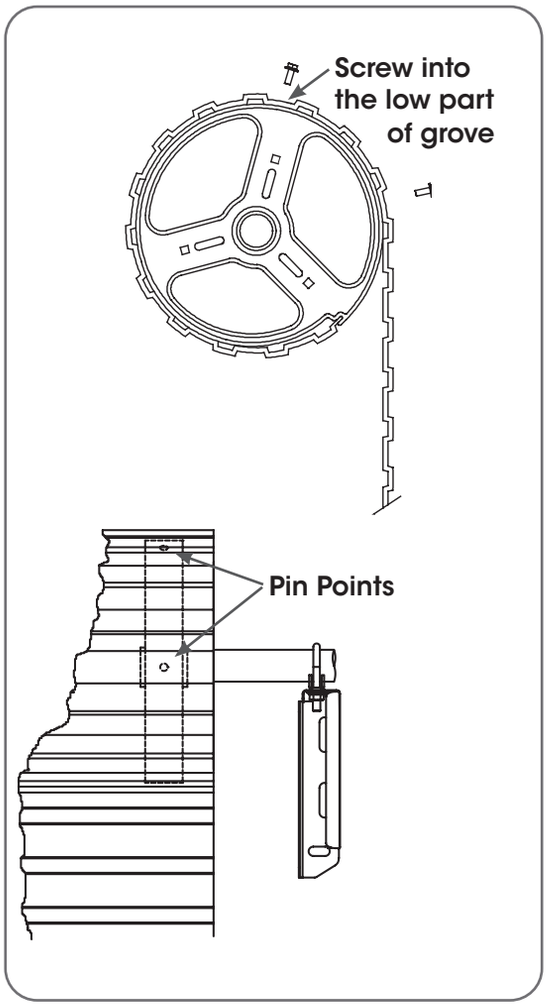
7. Pinning the Door

7.1 Pinning the Door to the drum:

Pinning the door's curtain to its drum maintains security when the opener is closed. If the curtain is not pinned the door can be partially opened manually.

a. Fully close the door.
b. Mark a minimum of two (2) drill holes on the drum to each end of the door.
c. Drill holes using 3.2mm ($^1/_8$") drill bit.
d. Fit M10 x 32mm screws and washers to each of the four (4) holes.This screw should be positioned as low as possible in the grove, but make sure that it does not alter the curtain's normal lead in to the guide.





WARNING! It is the installers responsibility to choose a fastener length that will adequately secure the curtain to the drum.

8. Proping the Door

8.1 Prepare the Door:

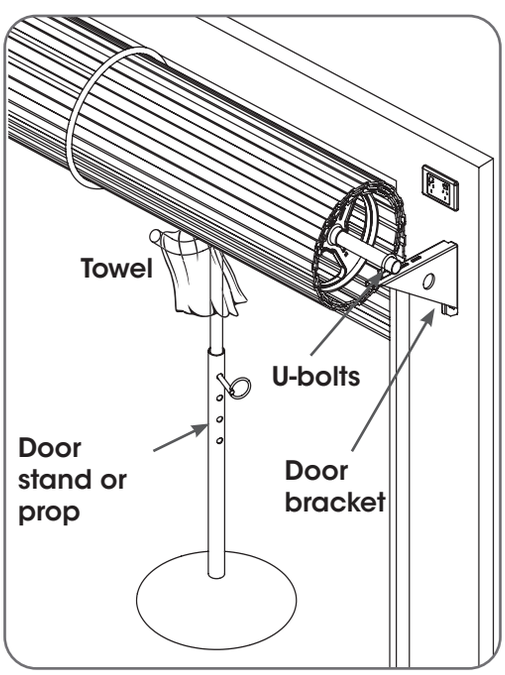
a. At the end opposite to where the opener will be fitted, check that the U-bolt which holds the door axle to the bracket is tightened securely.

WARNING! The U-bolt must be done up tightly to ensure the stored energy in the springs cannot be unexpectedly released.

b. Open the door completely and tie rope around the door roll. Do not tie the rope too tight as damage to the curtain may ensue. This will stop the door unrolling when taken off the bracket
c. At the end where the opener is to be fitted, support the door with a door stand or suitable prop. Place a towel between the door and the prop to protect the door from damage.

WARNING! Make sure the prop is snug under the door and is stable.

d. At the end where the opener will be fitted use a pencil to mark the position of the U-bolt in the door bracket and the position of the door bracket on the wall to assist in reassembling.



9. Mounting the Opener

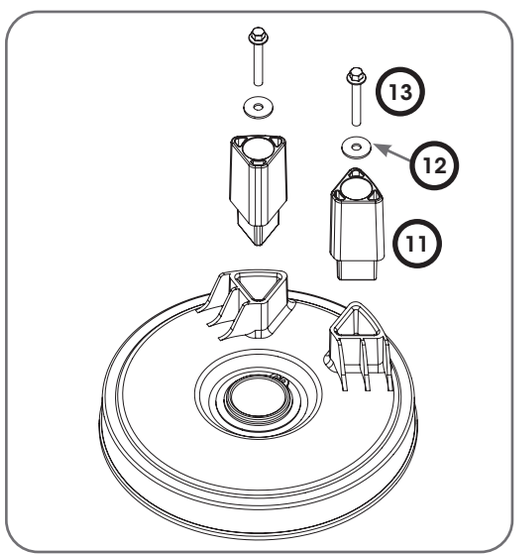
9.1 Raising the Door:

a. When in position, remove the U-bolt (or bolts) and saddle from the door bracket.
b. Lift the door up and away from the wall until clear of the door bracket, before lowering the door to rest on the door stand or prop.

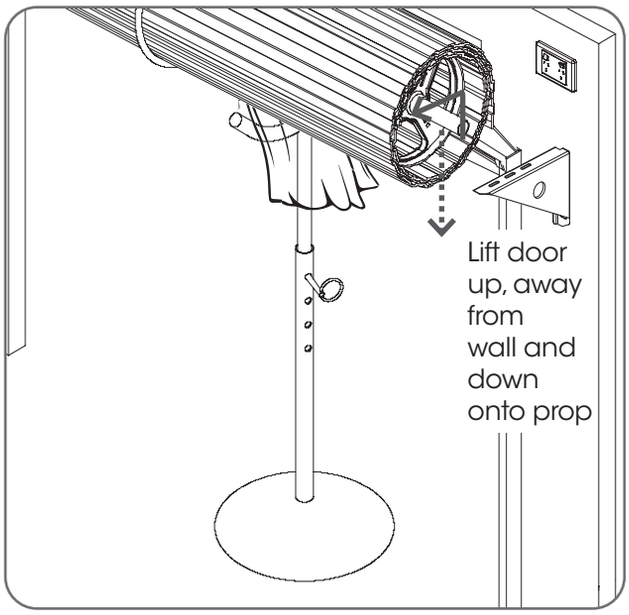
NOTE: If there is limited ceiling space to lift the door, the door bracket may have to be removed. If this is required, when refitting the door bracket , use the reference marks on the wall for correct position and ensure that it is secure to the wall and will support the door.

9.2 Mounting the Opener:

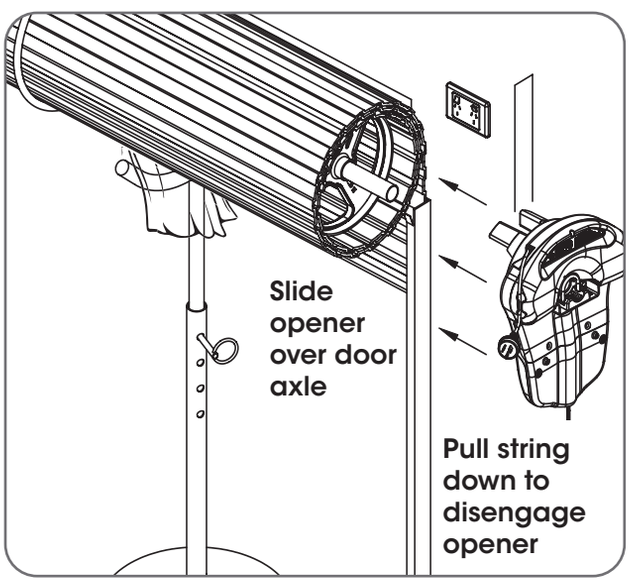
a. Remove the opener from the box.
b. Insert the two (2) Extension forks (11) into the ring gear.

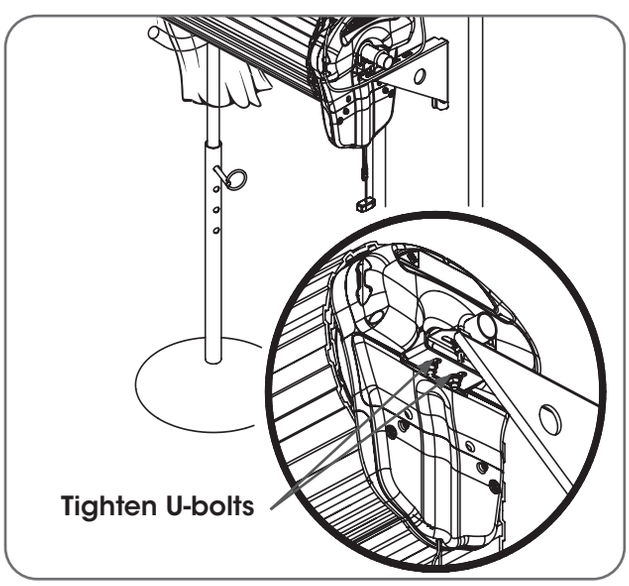


c. Secure with two (2) Flat washers (12) and two (2) Hex serration head screws (13).
d. Check the drive gear rotates freely, by pulling the string handle down (there will be a click) to disengage opener. Then move the forks from side to side by hand.
e. Slide the opener over the door axle and into the drum of the door as shown.
f. Push the opener in as far as possible (without interfering with the curtain) so one of the door drum's wheel spokes is between the opener's drive forks.
g. Raise the door off the door stand or suitable prop.
h. Lift up and over the door bracket and use your reference marks on the door bracket to position the door.
i. Refit the U-bolt and nuts and tighten.
j. Remove the safety rope and door stand or prop.
k. Connect the power cort to a suitable powerpoint, but **DO NOT** switch on.
l. Secure the power cord away from any moving object (e.g the door) with the cable clip supplied.
m. With the opener still disengaged, pull the door up and down to make sure it runs freely.



WARNING! For tight sideroom installations the door may have to be taken down.





10. Setting the Travel Limits

10.1 Initial Preparation:

tip When setting the Close limit, ensure the position is when the door makes first contact with the ground. Alternatively for the Open limit the position should be at the height of the garage opening.

CAUTION: Limit setup is not available when running on battery backup

STEP ONE	STEP TWO
Remove controls cover	Switch power on

STEP THREE

If door opens

Press to close | Press to change direction | Press to move door to midway

CLOSE LIMIT POSITION

STEP ONE

Press to close door
RELEASE

STEP TWO

When door near close, single presses inch door

CLOSE limit should be when rubber strip touches the ground

WARNING! In setting the close limit position, do not force the door into the floor with excessive force, as this can interfere with the ease of operation of the manual release mechanism.

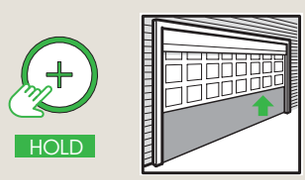
STEP THREE

If door overshoots

Press | Press to position | Press to set

OPEN LIMIT POSITION

STEP ONE



Press to close door
RELEASE

STEP TWO

When door near open, single presses inch door

OPEN limit should be the height of the garage opening

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

STEP THREE

If door overshoots

Press | Press to position | Press to set

10.2 Clearing the Door Limit Positions

NOTE: If unhappy with the travel limit settting, restart this procedure by clearing the door limit positions as per below first.

STEP ONE

Remove controls cover

STEP TWO

LIMIT SET → CLOSE LIMIT

HOLD for 6 sec

Till LED flashes quickly

STEP THREE

LIMIT SET

Release

NOTE: No action taken within 30 secs, the opener returns to original settings.

Now set Close & Open limits

10.3 Controller memory reset

To clear the controller:

tip If limits are already set, clear limits first by following Clearing the door limit positions and then follow below.

STEP ONE

Switch power OFF

STEP TWO

LIMIT SET → → till all LED's off then Release

HOLD

Switch power ON

This will cause all control memory to be set to factory defaults EXCLUDING: transmitters, history log and cycle counters.

10.4 Re-profiling the Door

tip Re-profiling is a simple way of re-learning the travel characteristics of a previously setup Limit Switch travel. Re-profiling is used when travel characteristic change due to mechanical adjustments.

To initiate a re-profile: LIMITS must already be set.

STEP ONE

Remove controls cover → FORCE MARGIN SET → opener beeps once

HOLD for 6 secs RELEASE

STEP TWO

Door will open and close several times

STEP THREE

opener beeps once → Then refit controls cover

10.5 Setting the PET (PEdestrian) mode postion

tip 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.

STEP ONE

Remove controls cover

STEP TWO

CODE SET

HOLD

Close to desired position

STEP THREE

HOLD

for 6 secs

→ OPEN LIMIT + CLOSE LIMIT

till both LED's are lit

STEP FOUR

Release → Refit controls cover → Proceed to Storing the transmitter Code to code a remote button to PET Mode

11. Safety Testing

11.1 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.

11.2 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.

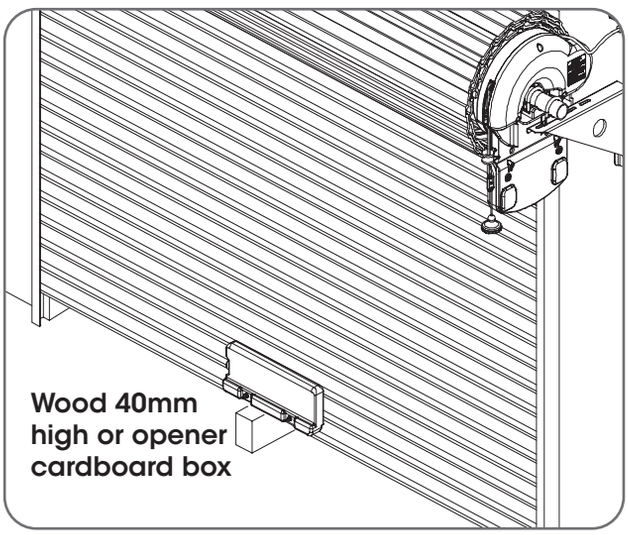
11.3 Test the Manual Door Operation

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 20 kg.

11.4 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.

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



WARNING! If the door fails these tests, put the opener into manual mode, only operate the door by hand and call for service.

11.5 To Increase Force Pressure

STEP ONE

Remove controls cover → FORCE MARGIN SET (HOLD) → + → OPEN LIMIT

Each press will increase force & LED will flash

STEP TWO

OPEN LIMIT

If LED keeps flashing, maximum is reached

STEP THREE

FORCE MARGIN SET (RELEASE)

Test the force again as per Testing cycles

11.6 To Decrease Force Pressure

STEP ONE

Remove controls cover → FORCE MARGIN SET (HOLD) → CODE SET → CLOSE LIMIT

Each press will decrease force & LED will flash

STEP TWO

CLOSE LIMIT

If LED keeps flashing, minimum is reached

STEP THREE

FORCE MARGIN SET (RELEASE)

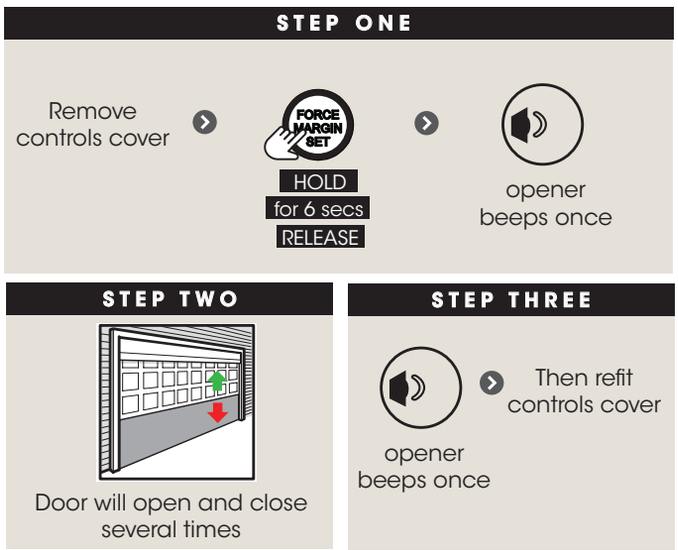
Test the force again as per Testing cycles

11.7 To Recall Factory Set Force

11.8 To Re-profile the door

tip Re-profiling is a simple way of re-learning the travel characteristics of a previously setup Limit Switch travel. Re-profiling is used when travel characteristic change due to mechanical adjustments.

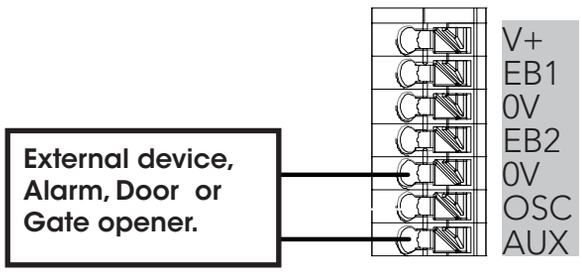
To initiate a re-profile: LIMITS must already be set.



12. Accessories

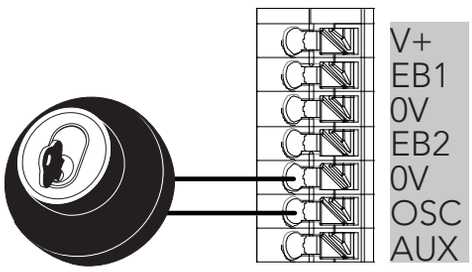
12.1 Auxiliary Output

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.



12.2 Keyswitch Connection

The RDO-1V4 has the input to connect bell switch or keyswitch to open or close the door.



12.3 Remote Aerial

Some sites cause poor radio reception. Particularly problematic areas are those where there is a large amount of metal, like a steel garage, or an underground car park with large masses of steel reinforced concrete. These issues, and others, can create reception issues.
Poor radio reception will be noticed by a reduction in the operating range of the transmitters.

You can evaluate whether fitting an external aerial will benefit as follows;

i. Test the maximum operating range of the transmitter with the garage door closed; then
ii. Test the maximum operating range of the transmitter with the garage door open.

If the range improves when the door is open you can install a remote aerial kit to improve reception.

Mount the aerial to a suitable location on the outside of the garage.
Similar to a television aerial, the better the mounting position the better the reception will be. Where possible, mount the aerial as high as possible, away from masses of metal and in line of sight position, to where you normally use your transmitter.

13. Auto-Close (CAD PD Only)

13.1 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 coreectly, then the door once opened automatically, will not close automatically.

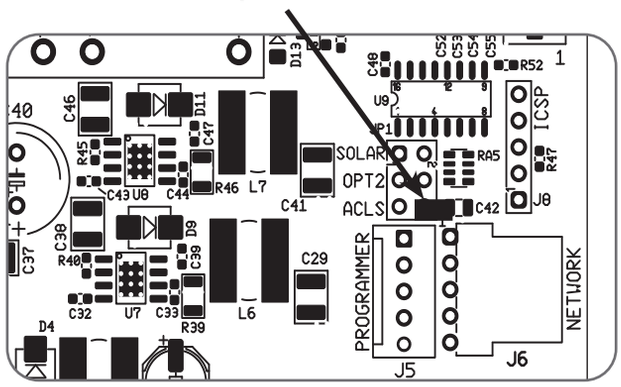
WARNING! It is compulsory to have Safety Beams installed when using Auto-Close mode.

13.2 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 remove the light diffuser from the opener and remove the AUTO-CLS (ACLS) shunt next to the programmer input and place over both ACLS inputs. When this option is selected the garage door opener will attempt to close the door automatically 30 seconds after opening. Refit the light diffuser.

Remove shunt and place over both inputs.



14. Coding a Transmitter

14.1 Storing the Transmitter Code

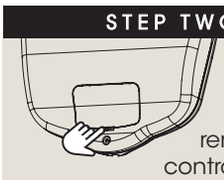
tip The opener can only be operated from remote controllers that have been programmed into its memory. Up to 64 remotes (8 for Roll-A-Pro) can be programmed.

CODING REMOTE FROM THE OPENER

STEP ONE

Switch power on

STEP TWO



remove controls cover

STEP THREE

Press and release

HOLD for 3 sec
RELEASE
HOLD for 3 sec
RELEASE

STEP FOUR

Press to test

14.2 Remotely Coding Transmitters

tip Remotely coding works when you have a pre-coded remote control and are in range of the opener.

STEP ONE

Take a pre-coded remote and press the button to duplicate

STEP TWO

Use a pen,
HOLD for 2 sec
the middle button through the coding hole

STEP THREE

Opener flashes & beeps

Take new remote

HOLD for 3 sec
RELEASE
HOLD for 3 sec
RELEASE

STEP FIVE

Opener stops flashing & beeping

Press to test

tip **Remote code set is disabled when:**

- **powered by battery backup**
- **the service indicator is active**
- **when the door is indifcating that it as prevented from closing by a P.E beam being blocked.**

14.3 Coding for Courtesy Light

STEP ONE

Remove controls cover

STEP TWO

Press twice

STEP THREE

LED will be lit and light flash

HOLD for 3 sec
RELEASE
HOLD for 3 sec

Release all buttons

STEP FOUR

LED will go out

STEP FIVE

Refit controls cover

Press to test

14.4 Coding for Vacation Mode

STEP ONE

Remove controls cover

STEP TWO

Press three times

STEP THREE

LED will be lit and light flash

HOLD for 3 sec
RELEASE
HOLD for 3 sec

Release all buttons

STEP FOUR

LED will go out
Refit controls cover

STEP FIVE

Turn on

HOLD for 4 sec
RELEASE

Turn off

Press, then try another remote

14.5 Coding for AUX Output

STEP ONE

Remove controls cover

STEP TWO

Press four times

STEP THREE

LED will be lit and light flash

HOLD for 3 sec
RELEASE
HOLD for 3 sec

Release all buttons

STEP FOUR

LED will go out

STEP FIVE

Refit controls cover

Press to test

14.6 Coding for PET (Pedestrian) Mode

STEP ONE

Remove controls cover

STEP TWO

Press five times

STEP THREE

LED will be lit and light flash

HOLD for 3 sec
RELEASE
HOLD for 3 sec

Release all buttons

STEP FOUR

LED will go out

STEP FIVE

Refit controls cover

Press to test

14. Coding a Transmitter

14.7 Erasing ALL Transmitter Codes

STEP ONE

Remove controls cover

HOLD for 6 sec
RELEASE

LED will flash rapidly

STEP TWO

ALL stored codes deleted

Test by pressing a remote

Refit controls cover

14.8 Installing the Wall Mounted Transmitter

STEP ONE

Remove controls cover

Press and release

LED will illuminate

HOLD for 3 sec
RELEASE
HOLD for 3 sec

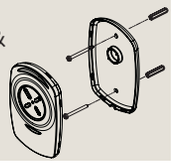
Release

STEP TWO

LED will go out
Refit controls cover

STEP THREE

Mount in view of door, away from children & at least 1.5m above floor.



16. Opener Safety & Security

16.1 Your Door CAN NOT be used by the opener when:

a. There is a locking device installed.
b. There is a power failure.

16.2 Your Door CAN be used when:

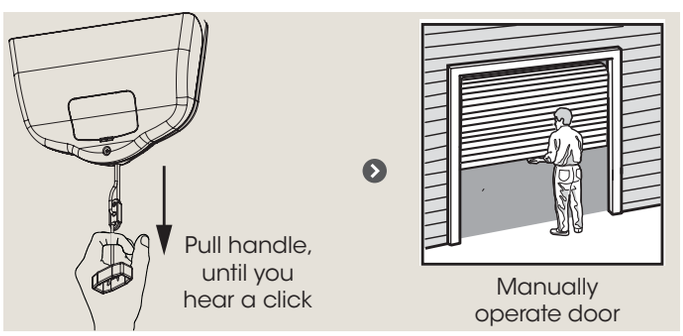
c. There is an emergency, by disengaging the opener.
d. There is a power failure, by disengaging the opener.

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.

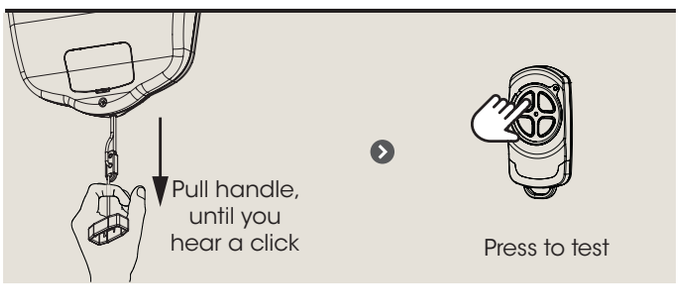
16.3 To Disengage the Opener:

tip It is recommended to disengage the door with the door in the closed position.



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.

16.4 To Re-engage the Opener:

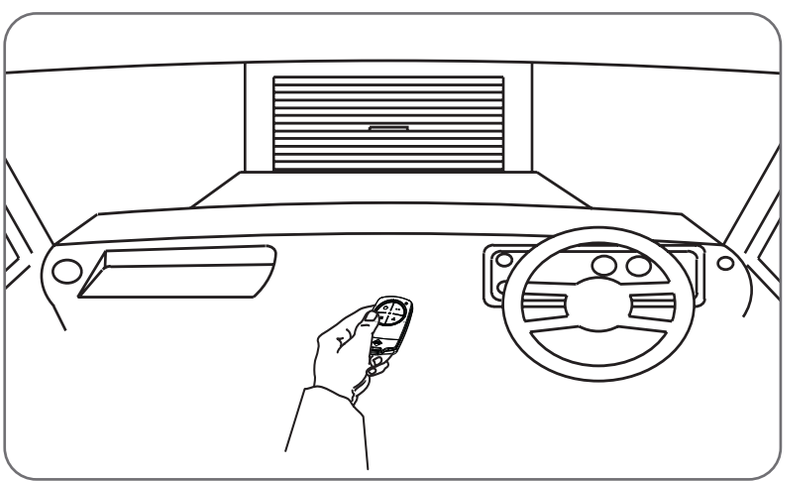


WARNING! Please test the manual release mechanism to ensure that the manual release is easy to operate. No more than 20kg of force should be required to disengage the door using the manual release cord. IF excessive force is required, contact your dealer.

17. Operating your Opener

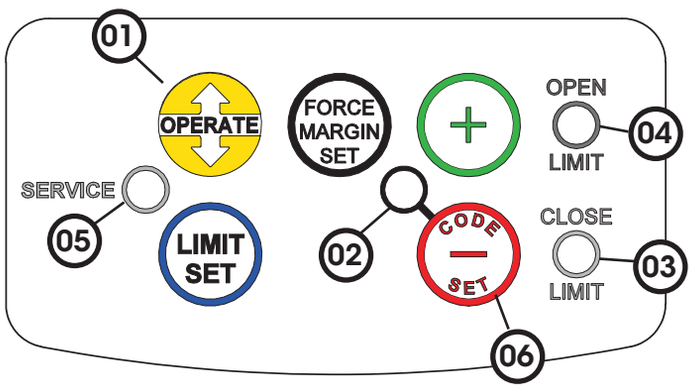
17.1 To Operate the opener:

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. CODE SET LED (Red)	Flashes when a code is being stored or when the transmitter button is pressed
3. CLOSE LIMIT LED (Red)	Illuminates and flashes as the door closes, and remains on when the close limit position has been reached.
4. OPEN LIMIT LED (Green)	Illuminates and flashes as the door opens and remains on when the open limit position has been reached.
5. SERVICE LED (Yellow)	Indicates when the opener requires service or repairs.
6. CODE SET and MINUS (-)	Is used for storing or erasing transmitter buttons for door operation



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	Power Drive RDO-1V4	Roll-A-Pro® RDO-1V3
Rated voltage range:	230V - 240V	230V - 240V
Rated frequency:	50Hz	50Hz
Maximum door opening Door Height: Door Area: Maximum Door Weight: Door must be well balanced and able to be operated by hand, as per warranty conditions and standard AS/NZS 4505:2012	3.25 turns of the drum wheel (approx. 3000mm) 16.5m^2 110kg	3.25 turns of the drum wheel (approx. 3000mm) 15.0m^2 110kg
Minimum sideroom	41mm	41mm
Rated temperature	+5°C to +40°C	+5°C to +40°C
Rated Load:	400N	350N
Short Term Peak Force	600N (60kg)	500N (50kg)
Nominal force	200N (20kg)	200N (20kg)
Receiver type	Multi-frequency	Multi-frequency
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	LED (Light Emitting Diodes)	LED (Light Emitting Diodes)

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	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 14)
	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 motor is running but the door remains stationary	The opener is disengaged	Re-engage the opener
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.
The door stops or moves very slowly.	Garage door in poor condition e.g. springs may be broken.	Check the door's operation.
	(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 LIMIT SET button once to reset the opener. If the fault continues to be tripped contact 1300 769 850 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 discontinue use and contact 1300 769 850 for support.
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 16).
   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)

22. After Installation Care

22.1 Service Checklist

Preventative servicing of your garage door and opener, is just as important as servicing your car. Much like the engine of your car, your garage door is made up of numerous moving parts designed to lift and lower your door safely and efficiently.

Ongoing preventative servicing ensures that your door continues to function within factory specifications, greatly reduces the risk of failure and repair bills down the track and ensures you maintain your Warranty.

tip Run the Safety Testing procedures MONTHLY in Section 11 to ensure garage door is fit for use.

WARNING! Failure to maintain your your garage door voids 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.

TECHNICIAN CHECKLIST

1. Lubrication of the critical moving parts including chain drive, tracks, wheels or cable drum.
2. Tightening of door mounting points along with door bolts, screws, cables and connectors.
3. Adjustment of spring tension to limit 'spring fatigue'.
4. Adjustment of opener travel limits and force margin to ensure the door opens and closes to specification.
5. Assessment and adjustment of safety components and accessories including safety beams and Auto-Lock (if installed)
6. Assessment of the door alignment and the diagnosis of irregular operation remedies.
7. Record Cycle count at each service to establish next date of service (as per table)

	SERVICE 1 (12 months after installation or 3,000 cycles)		SERVICE 2 (3 years after installation)		SERVICE 3 (5 years after installation)	
DATE:						
BUSINESS NAME:						
TECHNICIAN NAME:						
PG3 COUNTERS	**OPEN**	**CLOSE**	**OPEN**	**CLOSE**	**OPEN**	**CLOSE**
STALLS						
OBSTRUCTIONS						
SENSOR FAULTS						
OVERLOADS / CUT-OUTS						
WARRANTY CYCLES						
FIRMWARE UPDATE AVAILABLE? IF 'YES' PLEASE UPDATE FIRMWARE	YES	NO	YES	NO	YES	NO
CURRENT FORCE MARGIN						
TECHNICAL SIGNATURE:						

	SERVICE 4 (7 years after installation)		SERVICE 5 (9 years after installation)	
DATE:				
BUSINESS NAME:				
TECHNICIAN NAME:				
PG3 COUNTERS	**OPEN**	**CLOSE**	**OPEN**	**CLOSE**
STALLS				
OBSTRUCTIONS				
SENSOR FAULTS				
OVERLOADS / CUT-OUTS				
WARRANTY CYCLES				
FIRMWARE UPDATE AVAILABLE? IF 'YES' PLEASE UPDATE FIRMWARE	YES	NO	YES	NO
CURRENT FORCE MARGIN				
TECHNICAL SIGNATURE:				

22. After Care Installation

22.2 Battery Replacement

tip Battery Type: 1 x CR2032.

STEP ONE

Check Light Status Table

HOLD

Light Status	Battery
Solid	OK
Flashing	Replace
No light	Replace

STEP TWO

Use screwdriver to remove scews and open

STEP THREE

Use non-metallic object to push out.

WARNING! The battery is hazardous and must be kept out of reach of children. The battery can cause severe of fatal injuries within 2 hours or less if swallowed or placed inside any part of the body. If you suspect the battery has been swallowed or placed inside any part of the body, SEEK IMMEDIATE medical attention.

22.3 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 Automatic Technology 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).

22.4 Warranty

Warranty conditional on proper servicing as listed in 22.1 Service Checklist. Full details of the warranty are available in your Owners Opener Handbook, from your nearest B&D office or visit the B&D Website **bnd.com.au**.

b&d doors office locations

Head Office	6-8 Fiveways Blvd, Keysborough 3073	Phone (03) 9791 2000
New South Wales	34 Marigold St, Revesby 2212	Phone (02) 9722 5555
Queensland	17 Oasis Court, Clontarf 4019	Phone (07) 3883 0200
Victoria	147-153 Canterbury Rd, Kilsyth 3137	Phone (03) 9237 7766
South Australia	23 Frederick Rd, Royal Park 5014	Phone (08) 8440 4747
Western Australia	96 Mulgul Rd, Malaga 6090	Phone (08) 9247 8777
International/Export	34 Marigold St, Revesby 2212	Phone +61 (0)2 9722 5555

your representative is