

Sectional Door Opener



Doc # 160463\_00 Released 11/01/22

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

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#### 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

**ELECTROCUTION!** 

## 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.



- 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.
- 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.



Muscular strain

Fall from ladder

Crush injury from

unsecured door Garage Door

Entanglement

Entrapment under

operating door

- 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.
  - Practice correct lifting techniques (carton weighs approx 5.7kgs)
- Practice correct lifiting techniques when required to lift the door as per installation instructions.
  - 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.
  - Place a 2 metre exclusion zone around area under the door while it is unsecured.
  - Follow the installation instructions
  - 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.
- Never plug in and operate opener prior to installation.
  - Keep hands and loose clothing clear of door and guides at all times.
  - 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)



## 2. Before you Begin

#### 2.1 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.

#### 2.2 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. When the door is fully closed it should raise itself by 10cm off the floor. Retension door if necessary.
- c. The maximum force required to move the door should not exceed 20kg.
- 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) 0800 366 462



## **3.Tools Required**



### 4. Kit Contents



- 3. 2 x Transmitters
- 1 x Bent arm door attachment 4.
- 5. 1 x Straight arm door attachment
- 1 x Wall bracket TS01 6.
- 7. 1 x Door bracket Locator
- 2 x Hex Head screw M8x25
- 1 x Pin 0890

10.

11.

12.

13.

14.

- 2 x Clevis Pin 0829
- 2 x Hex Serration flange nut M8
- 4 x Hex flange screw 'S' M4 x 10
- 2 x Track Bracket
- 16. 1 x Pre-Assembled track

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 57mm 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

#### 6.1Secure C-Rail to Opener:

- a. Remove the Opener from the box, taking care of antenna (if fitted).
- 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.



### 7. Bracket Position

#### 7.1Wall Bracket Position:

- a. Determine the centre of the door and mark this point with a line on the wall above.
- b. Raise the door and find the highest point of travel of the first (top) door panel.

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

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.

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

#### 7.2 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).

#### 7.3 Attach the Track 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 pre-assembled track (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)

#### 8.1 Attach Perforated Angle or equivalent

- a. Measure across the ceiling from the centre point 3175mm (+/- 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..

## 9. Mounting Brackets and Arms

straight down to ensure optimal reception.

Straighten the antenna on the opener, by pulling

#### 9.1 Mounting the Door Bracket:

tip

- 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.



#### 9.2 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. Optional Safety Beam Kit



WARNING! The Opener must be fitted with Safety Beams if:

- the closing force at the bottom edge of the door exceeds 400N (40kg) and/or;
- the opener has a smart device fitted to operate the door, when not in line-of-sight.

CAUTION! The Safety Beam must be installed and connected before the travel limits are set.

#### 10.1 Assemble the Mounting Bracket

- a. Attach the PE 2000TS Bracket (1) to the Safety Beam Transmitter (TX) using four (4) M3 x 5 Taptite screws (4).
- b. Connect the mounting bracket (3) to the adjustment bracket (2) with two (2) of the M5 x 10 Pan Head Screws (5).
- c. Repeat steps (a) and (b) to assemble the Safety Beam Receiver (RX).
- d. Mount the receiver on the side of the doorway in shade and the transmitter on the other side in line with the receiver. The mounting surface should be rigid. Affix with a minimum of four (4) screws (not supplied).

#### 10.2 Mounting the Bracket

The transmitter and receiver need to be placed in line of sight, with the beam 100mm above the ground level (as per AS/NZS 60335-2-95:2020). This can be achieved by ensuring the bottom of the receiver and transmitter are 65mm above ground level. They should also be placed as close as possible to the door opening with the receiver (RX) in shade and the transmitter (TX) in sun or shade.

Assembling Flush Mounting Kit (for minimum sideroom applications) a. Attached the transmitter (TX) and receiver (RX) to the two (2)

- PEB4-W1 Bracket (1) with the four (4) M3 x 8 Taptite screws "P" (4).
  b. Ensure to take note of the ATA recommendation in step (d) above and fix the TX and RX to the wall or rigid surface using the two (2)
- 6.9 x 25 plastic wall plugs (if wall) and two (2) M6 x 25 self tapping screws.

#### 10.3 Wiring the 2 Wire PE Beam

- a. Ensure to disconnect power to the opener before opening cover to connect the 2 Wire PE as per wiring diagram.
- b. Refit cover when finished.

#### 10.4 Aligning the Transmitter and Receiver

a. Power up the opener with the safety beams connected.

- b. The LED on the receiver and transmitter will light up and flicker. indicating communication is being established between each unit and the base station. This can take up to 60secs. Lights will:
  (i) Stay on solid = When communication is established but limits are not set.
- (i) Go out = When communication is established and limits are set.

b. The opener beam alignment feature can be used to align beams via the beeper and main light as a guide;
(i) bright = aligned

(i) dull and Beeper sound = not aligned or blocked.

When the beams are aligned, continue with Section 12 Setting Limits.







## 11. Specifications

Technical Specifications	Select DSO-1
Rated voltage range:	230V - 240V.
Rated frequency:	50Hz
Rated power input:	210W
Door opening: Maximum Door Area: Maximum Door Weight: Door must be well balanced and able to be operated by	16.5m² 140kg*
hand, as per warranty conditions and AS/NZS 4505:2012	
Minimum headroom	57mm
Rated Operating Time	4 mins
Rated Temp	+5°C to +40°C
Short Term Peak force:	700N
Door travel speed (mm/sec)	180mm
Rated load	400N
Maximum lifting under spring tension	200N (20kg)
Receiver type	Multi-frequency UHF FM
Receiver code storage capacity	64 X 4-button Transmitters
Transmitter battery	CR2032 (3 Volts)
Courtesy light	LED (Light Emitting Diodes)
Network connectivity	Network ready (requires optional smart phone control kit)

\* Gross door weight, including all fittings

Note: During the open and close cycles, 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.



### 12. Setting Limits



Refer to Appendix D for setting limits via a transmitter. NOTE - Speed of the opener can not be adjusted when using this method.

#### 12.1 Set the Limit Positions and adjust drive speed:

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.

**NOTE:** The drive speed is set to the fastest setting by default. This may not be suitable for larger doors or for single piece doors. For tilt doors (J-Type only), please refer to **Appendix F** for initial setup.

a. Switch power on, the beeper will sound twice and the

BLUE LED on the CLOSE button 🚱 will start to flash and

the GEAR LED is lit to indicate that the opener is ready to set the Close travel limit.

b. Press either the CLOSE 🖗 or OPEN button to move the door to the halfway point.

#### CLOSE limit:

- i. Press and hold the CLOSE button 🖗 to start closing the door, taking note of the speed the door moves.
- ii. If the close speed is not suitable, to make a change, press and hold the CLOSE button and by pressing the STOP / SET button on the opener it will cycle through all three speed modes as shown in table.
- iii. Once at the desired speed, release the CLOSE button.
- iv. To set the close limit, inch the door by making single

presses of the CLOSE button in to the desired position. We recommend the CLOSE limit position being the first point of contact of the rubber strip (at the bottom of the door) with 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.

- v. If the door overshoots, press the OPEN button 🐨 to move the door in the OPEN direction.
- vi. When the door is at the desired CLOSE position, press the STOP / SET button on the opener, the GREEN LED on the OPEN button will now flash.



Door Opener Speed Mode	STATUS	BEEPER & Main light
Fast (Default)	On	3 Beeps & Flashes
Medium	On	2 Beeps & Flashes
Slow	On	1 Beep & Flash

#### OPEN limit:

- i. Press and hold the OPEN button 🐨 to start opening the door, taking note of the speed the door moves.
- ii. If the open speed is not suitable, to make a change, press and hold the OPEN button and by pressing the STOP / SET button on the opener it will cycle through all three speed modes as shown in table.
- iii. Once at the desired speed, release the OPEN button.
- iv. Continue inching the door to the desired position.
- v. To set the open limit, inch the door by making single presses of the OPEN button to the desired

position. We recommend the OPEN limit position being 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.

- vi. If the door overshoots, press the CLOSE button 🖗 to move the door in the CLOSE direction.
- vii.When the door is at the desired OPEN position, press the STOP / SET button The door will now automatically close and open to calculate the safety obstruction settings.



### Refer to Appendix B & C for adjustments to margins.

NOTE: If unhappy with the speed or travel limit setting, restart this procedure by resetting the door limit positions as per below first.

#### 12.2 Clearing the Door Limit Positions

Limit positions can be deleted by:

- a. Press the MODE button repetitively until the GEAR LED is lit.
- b. Press and hold the MODE button for 10 secs, let the MODE button go when the main light stops flashing. c. The close LED will flash continuously to indicate limits
- have been cleared.

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

d. Follow from CLOSE limit: above to set new limit positions, remembering to reset the tracklock.

#### 12.3 Re-profiling the Door

Re-profiling is a simplified way of re-learning the travel characteristic of a previously setup Limit Switch travel installation. Re-profiling can be used when the travel characteristics of the door change due to mechanical adjustments etc. To initiate a re-profile: a. Limits must be set.

- b. Press the MODE button repetitively until the GEAR LED is lit.
- c. Press and hold the CLOSE button 🖗 for two seconds, the door will open and close by itself to record profile.

#### 12.4 Controller memory reset

To clear the controller by:

- a. Pressing and holding MODE button for 10secs while in limit set mode will cause all control memory to be set to factory defaults.
- b. This excludes transmitters, history log and cycle counters.



If limits are already set, clear limits first by using 12.2 Clearing the door limit positions and then clear controller via 12.4 Controller memory reset.



### Dominator

## 13. Safety Testing

#### 13.1 Test the Close Cycle

- a. Press the OPEN button (i) or transmitter button to open the door (If the door starts closing, press the transmitter button to stop the door, then press transmitter again to open).
- b. Place a piece of timber approximately 40mm high on the floor directly under the door.
- c. Press the transmitter button to close door.
- d. The door should strike the object and re-open.
- e. Remove the timber .

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.

#### 13.2 Testing the Open Cycle

- a. Press the CLOSE button 🖗 or transmitter button to close the door.
- b. Press the transmitter button 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 13 62 63 for support.

#### 13.3 Test the Manual Door Operation

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

- a. 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.
- b. Fasterners: Check all screws, nuts and bolts to ensure they are secure.
- c. Spring Tension: It is natural for springs to lose tension. Should the door become hard to operate or completely inoperative, contact a door professional.
- d. Guide Tracks: Clean the internal sections of the guide tracks every 3 - 6 months with a cloth dampened with mineral turps or methylated spirits.
- e. 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.

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.

WARNING! Safety beams must be installed if the closing force at the bottom edge of the door exceeds 400N (40kg).

### 14. Auto-Close

Auto-Close mode is a function that automatically closes the door after a pre-set time. Safety beams must be installed in order to run the Auto-Close function. There are two types of Auto-Close available:

- i. Standard auto-close the door will Auto-Close after a programmed time. In this mode the timer starts to countdown as soon as the door is fully open. This function is useful in case the safety beam does not get triggered.
- ii. Safety Beam triggered auto-close the door will autoclose after a programmed time. In this mode the timer starts counting down only when the safety beam is triggered. ie car leaving the garage.

To enable the Auto-Close function:

- a. Press the MODE button repetitively until the GEAR <sup>C</sup> LED starts flashing.
- b. Press the OPEN button 🕲 until the GEAR 🥸 LED flashes:
  - i. two (2) times to get to PE auto-close or
  - ii. three (3) times to get to standard auto-close.
- c. Press STOP / SET button to enter parameter.
- d. The default setting for Auto-Close is OFF. Press the OPEN button

to move through options and the light's brightness will change accordingly.

e. Press STOP / SET button to save the parameter's new value or press MODE to leave the value unchanged.

Parameter	0	Value options = Indicated by brightness of main light (DEFAULT parameter underlined)					
	<u>بې</u>					1	
Name	Flashes	1	2	3	4	5	6
PE AUTO-CLOSE	x2	<u>OFF</u>	15sec	30sec	60sec	90sec	-
AUTO-CLOSE	x3	<u>OFF</u>	15sec	30sec	60sec	90sec	120sec



### 15. Coding a Transmitter

#### 15.1 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 MODE button repetitively until the TRANSMIT  $\widehat{\square}$  LED is lit.
- b. Press and HOLD the button/s indicated in the table to set the required transmitter function. The Main light will start to flash rapidly.
- c. Press one of the four (4) buttons on the transmitter until the main light starts to flash rapidly, then release transmitter button.
- d. Press the remote control button again until the main light stops flashing rapidly.
- e. Release both buttons. Press the MODE button to exit. The transmitter button is now coded, press to test.

NOTE: Refer to the Light indicator table for the details of the transmitter status.

MAIN LIGHT & BEEPER	TRANSMITTER STATUS
Light ON & 2 short beep	Button added
Light OFF & 2 short beep	Button removed
Light 2 FLASHES, then OFF & 2 long beeps	Remote control deleted
4 FLASHES, then OFF & 4 long beeps	Memory full

#### **15.2 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 until the unit starts flashing and beeping.
- c. Within ten (10) seconds take the additional transmitter you wish to code. Hold the new transmitter's button for two seconds the unit will flash and beep faster, then release for two seconds
- d. Press and hold again for two seconds until the flashing and beeping stops and then release.
- e. The opener will flash and beep to indicate result. (see table above)
- f. Wait for ten (10) seconds and then press the new transmitter's button to test.



	BUTTON				
TRANSMITTER FUNCTION		STOP			
Open / Stop / Close	HOLD				
PET (Pedestrian) Mode		HOLD			
Open			HOLD		
Light	HOLD	HOLD			
Vacation Mode	HOLD		HOLD		

\* The button coded for open only function can close the door if you hold the button for 4 seconds, when the door is fully open..

#### 15.3 Erasing All Transmitter Codes

- a. Press the MODE button repetitively until the TRANSMIT  $\widehat{\boxed{P}}$  LED is lit.
- b. Press and hold the MODE button for 10 secs, let the MODE button go when the beeper and main light stops flashing.
- c. Follow steps a e in Storing the Transmitter Code to code new transmitters.

#### 15.4 Vacation Mode

a. To turn on Vacation mode and lock out all remotes, press the button on the remote programmed with Vacation Mode for 4 seconds.

To turn off Vacation Mode, press the transmitter button programmed to vacation mode to turn off.

#### 15.5 Installation of the Wall Mounted Transmitter

- a. Store the transmitter code as per instructions in 15.1 and 15.2.
- b. Test the transmitter button.
- c. Mount the transmitter in a convenient location, yet out of reach of children and at least 1.5m off the ground.
- d. Make sure the door is visible from this location.



### 16. 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. <u>DO NOT</u> 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. <u>DO NOT</u> use if repair or adjustment is needed since fault in the installation or an incorrectly balanced door may cause injury..



DO NOT DO IT

YOURSELF

BATTERY

WARNING!

- Place opener in protected area so that it does not get wet.
- DO NOT spray with water .
- <u>DO NOT</u> open the protective covers.
- <u>DO NOT</u> 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..
- 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. <u>DO NOT</u> attempt any garage door adjustment. <u>DO NOT</u> use if repair or adjustment is needed. Call for a professional garage door service.

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

Entrapment under operating door

- 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.
- Watch the moving door and keep people away until the door is completely opened or closed. <u>DO NOT</u> operate door when persons are near the door.
- <u>DO NOT</u> 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).
   Ensure ladder is the correct type for the job.

Ensure ladder is on flat ground.

Fall from Ladder

Ensure user has 3 points of contact while on ladder.
Entanglement in or
Keep hands and loose clothing clear of door and g

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.

laceration from moving door

## 17. Opener Safety & Security

#### 17.1 Your Door CAN NOT be used by the opener when:

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

#### 17.2 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.

#### 17.3 To Disengage the Opener:

- a. It is recommended to do so with the door in the closed position.
- b. Pull the manual release cord away from 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.

#### 17.4 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.



## 18. Operating your Opener

#### 18.1 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.



## **19. User Operating Controls**

Button	Function
1. DOWN ARROW (Blue)	Closes the door
2. DOWN ARROW LED (Blue)	Illuminates when the door is closed and flashes when the door is obstructed on close or stopped.
3. STOP (Red)	Stops the door
4. UP ARROW (Green)	Opens the door
5. UP ARROW LED (Green)	Illuminates when the door is open and flashes when the door is open with the auto-close timer running, obstructed on opening or stopped.
6. MODE (Yellow)	Enables Load Diagnostics Mode
7. MODE STATUS LED (Yellow)	Illuminates when in Diagnostics Mode
8. REMOTE CONTROL STATUS LED (Red)	Flashes on remote lockout and flickers on remote control activity
9. ADJUSTMENT LED (Yellow)	Flashes a certain number of times depending on the parameter being changed.



### 20. Troubleshooting

SymptomPossible causeRemedyThe opener does not work from the transmitterGarage door in poor condition e.g. springs may be brokenCheck the door's operationThe opener does not have powerPlug a device of similar voltage (e.g. a hairdre into the power point and check that it is OKThe battery in the transmitter is flatReplace the batteryThe opener has turned on "Vacation Mode"Turn off "Vacation Mode"	/er)
not work from the transmitter springs may be broken The opener does not have power Plug a device of similar voltage (e.g. a hairdreinto the power point and check that it is OK The battery in the transmitter is flat Replace the battery The opener has turned on Turn off "Vacation Mode"	/er)
The opener does not have power Plug a device of similar voltage (e.g. a hairan into the power point and check that it is OK. The battery in the transmitter is flat Replace the battery The opener has turned on Turn off "Vacation Mode"	∕er)
The opener has turned on Turn off "Vacation Mode"	
The transmitter button is not programmed to operate the door.Code in the transmitter	
One transmitter works Faulty transmitter Replace transmitter	
Flat battery Replace battery	
The chain / belt moves but the door remains stationary The opener is disengaged Re-engage the opener	
Motor is running but chain / belt is not moving	
The transmitter range variations are normal depending on conditions e.g. temperature or external interference Make sure you can see the door when you us	se
The battery life is exhausted Check the battery status by pressing a buttor (flashing or no light, battery need changing)	ì
Position of the transmitter in the motor vehicle Aim the transmitter through the windscreen.	
The Courtesy light does LED has failed Change LED.	
The door reverses for no apparent reasonThis may occur occasionally from environmental conditions such as areas that are windy, dusty or have extreme temperature changes.Ensure the door runs smoothly before increase the force pressure.	ing
If Safety beams are installed they may be partially obstructed. Ensure the beam path is not obstructed. Che the Alignment.	ck
Door will not closeSafety Beam not workingTo access safety close mode, hold the transm button to close for 6 seconds and continue to hold while the door closes. Check Safety Beam	
Auto Close not workingSafety Beam or wiring faultyRepair Safety Beam or replace wiring. Re-align optics. See Safety Beam instructions.	
The CLOSE (Blue) LED is Limits are not set Set Up Limits (Section 12). flashing	

### 20. Troubleshooting

#### Main Light = Service / Warning Indicator:

Requirements for a service and user warnings are indicated after operation by the main light repeatably flashing OFF a number of times followed by a pause. When the alert is first triggered the beeper will also sound The below table identifys the issues and remedies.

Flashes	Issue	Remedy
	PE is preventing door from moving	Clear away any obstructions. Test Door. If unable to move the door and suspect beam is faulty, enter Safety Beam Emergency Close by pressing and holding a pre-coded button on transmitter for more than five seconds and the door will start closing.
	Wireless LOCK battery is low	Change LOCK battery
♦ x 4	Wireless PE battery is low	Change PE Battery
	Wireless LOCK is not unlocked and preventing door moving	Check LOCK, test by pressing emergency release button on the lock and then test door operation.
	Maintenance is due after pre-set number of cycles.	Contact dealer to arrange service.
	Backup battery is faulty	Contact 0800 366 462 within New Zealand for assistance
	Door has hit an obstruction	Clear away any obstructions and test door opens/ closes correctly. (If door is damaged, contact your door professional)
(*) x 9	Motor has overloaded or stalled	Check the doors operation by disengaging the motor and ensuring the door runs smoothly. If necessary make door adjustments or contact your door professional.

#### Main Light = FAULT Status Indicator (when MODE is on):

When MODE is ON, light flashes indicated number of times. When first triggered, the beeper will sound the indicated number of beeps. Attempting to operate the door will result in the beeps being heard again. The below table identifys the issues and remedies.

Flashes	FAULT
* x 2 or x 3	Failed while profiling door after setting limits. Can be caused by any event which cause door to stop. For example P.E beam being blocked on closing, hit an obstruction, etc. Also can occur if battery is activated.
* x 4 or x 5	Position Fault
	Motor driving in wrong direction
	Memory fault
	Motor current sensor fault.

**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 0800 366 462 within New Zealand.

**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 18). 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)

## 21. After Installation Care

#### 21.1 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.



Run the Safety Testing procedures MONTHLY in Section 13 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, Auto-Lock and Safe 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)

	(12 months a	/ICE 1 fter installation ) 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:						

		ICE 4 r 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:					

### 21. After Installation Care

#### 21.2 Battery Replacement

Battery Type:

3V Lithium Battery CR2032.

a. 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	ОК			
Flashing	Requires replacement			
No light	Requires replacement			

- b. Use a screwdriver to remove the screw on the back of the transmitter casing.
- c. Use the screwdriver to pry open the plastic to expose circuit board.
- d. With a non-metallic object (e.g. pen) remove the battery.



WARNING! Chemical Burn Hazard. Keep batteries away from children

#### 21.3 Battery Disposal

WARNING! The Battery shall be disposed of properly, including keeping them away from children. Even used batteries may cause injury.

X

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).

#### 21.4 Warranty

Full details of the warranty are available in your <u>Owners Opener Handbook</u>, from your nearest Dominator office or visit the Dominator Website <u>dominator.co.nz</u>.

### 22. Appendix

A - Status Indication during Operating Mode.

LEDs	Light Status			Indicates		
	BLUE	GREEN	YELLOW	RED		
DOOR OPEN AND CLOSED LEDS						
		solid			Open	
		rapid flashing			Open with Autoclose timer running	
		flashing			Opening / Obstructed on Open	
	solid				Closed	
	flashing				Closing / Obstructed on Close	
	flashing	flashing			Stopped	
	solid	solid			Partial Open	
MODE LED		MODE				
			flashing		Load Diagnostics mode	
REMOTE CONTROL STATUS LED						
				flashing	Remote lockout from vacation mode	
				rapid flashing	Remote Control Activity	

#### **B** - Adjustment Mode Instructions

- a. Press the MODE button repetitively until the GEAR Q LED starts flashing
- b. Referring to the table below, select the desired parameter using the OPEN and CLOSE buttons and
  - observing the number of flashes on the GEAR <sup>©</sup> LED. The selected parameter's value is indicated by the main light's brightness.
- c. Press STOP / SET button to start editing the parameter's value. The TRANSMIT 🗍 LED will turn on when editing is active.
- d. Use the OPEN 🖗 and CLOSE 🚱 buttons to step through the available options. The light's brightness will change accordingly.



### Pressing the MODE button when a parameter is being adjusted will load the default value.

- e. Press STOP / SET button to save the parameter's new value or press MODE to leave the value unchanged.
- f. Continue from a above to select another parameter or press MODE to exit adjustment mode.

Parameter	Value options = Indicated by brightness of main light (DEFAULT parameter underlined)						
Name	Flashes	1	2	3	4	5	6
MARGIN	x٦	<u>1.0A</u>	1.2A	1.4A	1.6A	2.0A	-
PE AUTO-CLOSE	x2	OFF	15sec	30sec	60sec	90sec	-
AUTO-CLOSE	x3	OFF	15sec	30sec	60sec	90sec	120sec
LIGHT TIMER	x4	30sec	60sec	90sec	120sec	<u>180sec</u>	240sec

! tip

When parameter edit mode is active, if any button other than MODE is pressed, then when MODE is pressed again, operating mode will be selected instead of the NETWORK adjustment mode.

#### **C** - Adjusting Force Margins

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 / Decrease Force Pressure

- a. Press the MODE button repetitively until the GEAR <sup>CD</sup> LED is flashing.
- b. The LED will start flashing with one flash every second.
- c. Press the STOP / STEP button and the MODE button LED and the TRANSMIT OLED will be lit and the GEAR CLED will flash once
- every second. d. By pressing the OPEN button will increase the force pressure and CLOSE button will decrease the force - Main light will dim

or brighten as the pressure is decreased or increased.

- e. Press STOP / SET button to save the new value. (Refer to **Appendix B** for margin settings)
- f. Test the force again as per Testing Close Cycle and Testing Open Cycle.



#### D - Setting Limits via Transmitter



The SPEED setting on the opener can not be adjusted when setting limits via the transmitter. Follow section 12.1 to set limits and adjust speed.

a. Switch power on and the BLUE LED on the CLOSE button

will start to flash to indicate that the opener is ready to set the Close travel limit

- b. Press the MODE button repetitively until the TRANSMIT  $\widehat{\boxed{\ }}$  LED is lit.
- c. Press and HOLD the CLOSE button 🖗 to set the Open / Stop / Close function. The Main light will start to flash rapidly.
- d. Press and hold button 1 on the transmitter, then release transmitter button.
- e. Press and hold button 1 on the remote control button again until the main light stops flashing rapidly.
- f. Release both buttons. The transmitter button is now coded, press to test and observe the speed of the door through a full cycle.
- g. The drive speed is set to the fastest setting by default. This may not be suitable for larger doors or for single piece doors:

CLOSE limit:

- i. Using the programmed transmitter, press and hold the button 4 to close. To inch the door, single presses of the button 4 will move the door to desired limit.
- ii. While inching (to CLOSE) to set the close speed, press and hold button 4 on the remote and by pressing the SET button 2 the opener will cycle through all three speed modes as shown in table.
- iii. Once at the desired speed, release the remote button 4.
- iv. Continue inching the door to the desired position. We recommend the CLOSE limit position being the first point of contact of the rubber strip ( at the bottom of the door) with the ground.
- v. If the door overshoots, press the OPEN button 1 on the remote to move the door in the OPEN direction.
- vi. When the door is at the desired CLOSE position, press the SET button 2, the GREEN LED on the OPEN button

will now flash.



OPEN limit:

- i. Using the programmed transmitter, press and hold the button 1 to open. To inch the door, single presses of the button 1 will move the door to desired limit.
- ii. While inching (to OPEN) to set the open speed, press and hold button 1 on the remote and by pressing the SET button 2 the opener will cycle through all three speed modes as shown in table.
- iii. Once at the desired speed, release the remote button 1.
- iv. Continue inching the door to the desired position. We recommend the OPEN limit position being the height of the garage opening
- v. If the door overshoots, press the CLOSE button 4 on the remote 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.

vi. When the door is at the desired OPEN position, press the SET button 2. The door will now automatically close and open to calculate the safety obstruction settings.

#### E - 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 desired PET mode open position by pressing the transmitter button coded for Open/Stop/Close operation.

- b. Press the MODE button repetitively until the GEAR O LED is lit.
- c. Press OPEN button to save PET position Main light will flash and both OPEN and CLOSE LED will light up.



#### F - Setting up Tilt Door

Prior to limit set up, the opener can be set to J-Type Tilt Profile. This process allows the opener to pre-set to J-Type settings where the limit is not greater than 1500mm. If J-Type is selected, the speed is customised and cannot be changed.

a. Press the MODE button repetitively until the GEAR 🧐 LED starts flashing.

b. Press and hold STOP / SET button for 2 seconds to check the door type, until the main courtesy light turns solid ON or OFF.

- Main courtesy light ON Tilt type (J-Type only)
- Main courtesy light OFF Sectional type
- c. Press and hold STOP / SET for 6 seconds to change the door type, until the main courtesy light turns solid ON or OFF. If required, repeat step b to check the door type selected.
- d. Press MODE button to exit the door selection mode. Proceed to Section 12 to set the limits.

#### Dominator Garage Doors & Openers

46 Braeburn Drive, Hornby, Christchurch, New Zealand

**Dominator Locations Nationwide** 

PH: 0800 DOMINATOR (366 462)

or visit: dominator.co.nz/dealer-locations

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