

## Tilt/Roller Door Operator User Guide

### Setting Up the Opener

After installation (or in the unlikely event that the microchip needs to be reprogrammed), the correct way of “programming” the Opener to set the top and bottom limits is as follows:

#### A. Tilt Doors, Sectional Doors, Jamb Doors:

1. Ensure there are no obstructions in the path of the door.
2. Check to see that the carriage is set approximately halfway down the tube.
3. Move door up to meet the carriage and allow carriage to lock onto the moving spool.
4. Plug in power cord and turn on switch. Check that there are 3 red lights lit upon back of control board.
5. Press the Program Button located under 3 red lights on the control-board end of the opener.
6. The opener has been designed to set its own limit and sensitivity settings. After momentarily pressing the program button, the door will go through 4 operating cycles. The first closing and opening cycles set the door stop positions, whilst the 3rd and 4th cycles calculate and set the amount of force (sensitivity) required to operate correctly. Upon completion of the programming cycles, the courtesy light will switch off, indicating the door is ready for normal operation.

#### B. Roller Doors:

1. Ensure there are no obstructions in the path of the door.
2. Move the door so it is within 300mm of the fully closed position.
3. Check to see that the release lever on the opener is in the engaged “in” position.
4. Plug in power cord and turn on switch. Check that there are 3 red lights lit up on back of control board.
5. Momentarily press the Program Button located on the control-board end of the opener.
6. The opener has been designed to set its own limit and sensitivity settings. After momentarily pressing the program button, the door will go through 4 operating cycles. The first closing and opening cycles set the door stop positions, while the 3rd and 4th cycles calculate and set the amount of force (sensitivity) required to operate correctly. Upon completion of the programming cycles, the courtesy light will switch off, indicating the door is ready for normal operation. N.B. If door opens first when programming, switch the polarity Switch left or right to which side the motor is on, or refer to step 25 in fitting instructions.

### The courtesy Light

When the opener is activated, the light will turn on and remain on for a few minutes; it will turn off automatically. Bulbs (lamps) are Rough Construction, Edison Screw type, 60 Watts maximum.

### Care of the Opener

When properly installed, your opener will perform reliably with a minimum of maintenance. You will need to replace a light bulb or change the remote control battery from time to time. The opener does not require additional lubrication. HOWEVER, the door and fittings should be well maintained to ensure the best performance from your opener.

### In the Event of Power Failure

#### A. Tilt Doors, Sectional Doors, Jamb Doors:

If access is required, the door can be operated manually. Simply pull down on the emergency release handle (this pulls the carriage release lever to the vertical position). DO NOT USE EMERGENCY RELEASE ROPE AND HANDLE TO PULL THE DOOR OPEN OR CLOSE. When power is restored, ensure there is no obstruction in the door's normal pathway. Reconnect the carriage by returning the carriage release lever to horizontal and moving the door until the carriage and spool engage. Press remote control or wall button; there is no need to press the program button, as the microchip retains its memory even without power. When opener is activated, it will search for either the top or bottom limit and then stop. The courtesy light will go off immediately, indicating the door is now ready for use. N.B. On its first operation from a power down, the door will close or open more firmly than during normal operation. This is because the opener is detecting its stop to reprogram itself. Once this has happened, normal opening and closing pressure will be restored. During its first operation from a power down, do not attempt to test safety reverse, as the microprocessor will assume that a limit has been located. Remote controls or wall switches will not stop the opener during the reset operation.

#### B. Roller Doors:

If access is required, move the gear lever to the “OUT” position to disconnect the motor. The door can now be opened and closed manually. When power is restored, check for obstructions, then move the gear lever to the “IN” position. Check to see the 3 LED lights are on and press wall button or remote control to activate the door. There is no need to press the program button, as the microchip retains its memory, even without power. N.B. On its first operation from a power down, the door will close or open more firmly than during normal operation. This is because the opener is detecting its stop to reprogram itself. Once this has happened, normal opening and closing pressure will be restored. During its first operation from a power down, do not attempt to test safety reverse, as the microprocessor will assume that a limit has been located. Remote controls or wall switches will not stop the opener during the reset operation.

### Code Learning.

- Reset the operator, (ie, disconnect and reconnect power).
- Depress and release the PROGRAMME button 2 times. (The four L.E.D's will flash on and off two times after which LED #1 will be flashing or illuminated).
- If illuminated a code has already been stored in this location. Depress the PROGRAMME button to cycle through to the next vacant memory location, (indicated by flashing L.E.D's).
- When a flashing L.E.D has been found, depress and hold the transmitter button until the L.E.D stops flashing and is illuminated. This code has now been stored in memory.
- Repeat for any extra transmitters.
- Up to 10 transmitters may be stored in memory. Each memory location has a number assigned from number 1 to number 10. (eg. L.E.D. 1 indicates memory location #1 and a combination of L.E.D. #2 + L.E.D. #3 + L.E.D. #4 represents memory location #9).
- Return to the reset mode by either waiting 10 seconds or depressing PROGRAMME button until you have passed memory location #10.

For more information on the following, please contact your Dominator Representative.

Interlock & Auxillary Switching. Autoclose Facility. Photo Electric Sensors. L.E.D. Status Indication. External Receivers. Remote Light Switch.

### Dominator Garage Door Opener Warranty

This Dominator product is warranted against manufacturing defects for a period of twenty four (24) months from the date of purchase. This includes all electronic items sold with the operator in the way of circuit boards and transmitters. It does not cover normal consumable items such as batteries or light globes. There is a six (6) year limited warranty on the AC Motor. The Company, within this warranty period will replace any parts, components or the complete Product at the Companies option. These replacement parts are covered for the remainder of the original warranty only. In the event of any defect arising in the equipment during the warranty period, such repairs should only be carried out by a Dominator Authorised Dealer from which the opener was installed, or by the Dominator Manufacturing Service Centre. These repairs would be carried out at no charge to the owner, subject to the conditions specified herein. The owner is responsible for any transportation and insurance costs if the product has to be returned for repair. The warranty does not include service charges that may be rendered by the authorised servicing agent for travel, transportation expenses of the product or parts to and from the owner or removal and reinstallation costs which are payable by the owner.

This warranty does not extend to accessories or defects or injuries caused by or resulting from causes not attributable to faulty parts or the manufacture of the product, including but not limited to, defect or injury caused by or resulting from misuse, abuse, neglect, accidental damage, improper voltage, liquid contact or spillage, connection of devices other than those approved, authorised or manufactured for the product by Dominator International Limited. The Company accepts no liability pursuant to this warranty for any consequential loss or damage or injury, direct or indirect, to any person or material object arising from the use, failure or malfunction of the Product.

The warranty shall not apply if the Product is used in commercial or multiple entry car park applications as the Product is only recommended for use in domestic situations. This warranty becomes void if the Product is altered, tampered with or damaged by accident, or damaged in any other way by improper use.

Model: \_\_\_\_\_ Serial #: \_\_\_\_\_

Install Date: \_\_\_\_\_ Installed by: \_\_\_\_\_

Installer Contact #: \_\_\_\_\_

Installed at (address): \_\_\_\_\_

# Garage Tilt/Sectional Door Operator Installation Guide

## Important Safety Information Please Read Carefully

- Keep garage door balanced. If door springs need adjustment or replacement, do not attempt to do it yourself, call a garage door serviceman to make all the adjustments.
- Garage doors, door springs, cables, pulleys, brackets and their hardware can cause fatal injuries! Do not attempt to adjust. Do not move, relocate, loosen, or unfasten door springs to make room for garage door opener header brackets. Call a garage door serviceman to do this.
- To avoid injury from entanglement, remove all ropes connected to the garage door before operating the garage door opener.
- Existing locks should be made inoperative. Remove them.
- Installation and wiring must conform to local building and electrical codes.
- To avoid injuries, do not permit children to play in area of door. Do not allow children to operate receiver or transmitter push buttons. Install the receiver push button and emergency release rope and handle out of reach of children.
- Use emergency release only to disengage trolley. Do not use emergency release handle and rope to pull door open or closed.
- Operate door only when visible, properly adjusted, and free of obstructions.
- Be certain the emergency release cord and knob can not become entangled with a roof carrier or other protruding part of the garaged vehicle.
- In the event manual operation of the garage door is required we suggest closing the door automatically prior to disengaging the carrier release (yellow cord and blue handle). If the garage door is open and automatic operation is not possible, use caution when disengaging the carriage release to protect against the garage door "falling" in those cases where one or more door springs may have been broken or out of adjustment.
- In the unlikely event of a problem with operator and after following the fault detection instructions, unit still does not operate, contact your nearest Dominator Distributor. DO NOT remove covers other than to change light bulb.
- This operator must be earthed.

## Installation of Opener to Door

### Step 1

Before starting, determine which type of garage door you have. These diagrams depict an ideal installation and can be scaled. (Fig 1a, 1b, 1c).

When fitting an opener to Jamb hardware where headroom is tight we recommend professional help be secured. If there is ample headroom and Jamb fitting is installed in low headroom position (Refer to Jamb Type Installation Instructions) hardware should be used on Tilting type doors. For sectional doors mount door bracket about one-third of the way down from the top of the door panel. Curved door arm must be used and connected to door with straight arm connected to trolley housing. (See 9b).

Installation to track-type fittings

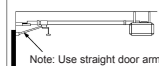


Fig. 1a

Installation to jamb-type fittings

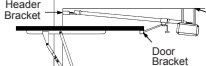


Fig. 1b

Installation to sectional overhead doors

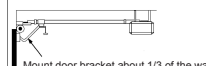
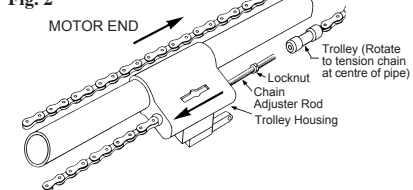


Fig. 1c

### Step 2

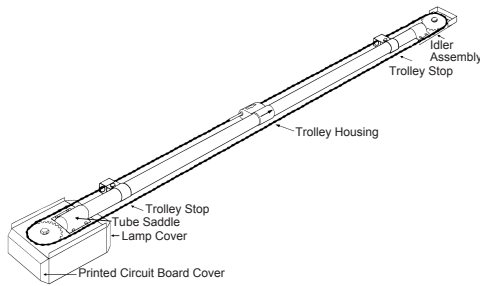
Determine to what type of door mechanism, opener is to be fitted. If one piece Jamb type (refer to step 1b) cut 900mm off drive tube and 1800mm off roller chain. For most other mechanisms proceed to Step 3.

Fig. 2



### Step 3

Slide trolley housing onto tube making sure arrow is pointing towards door. Slide trolley stops onto either end of the tube (see Fig 3). Push tube into saddle on opener and fit idler assembly onto opposite end. Fit 6mm lock nut onto chain adjuster rod. Move trolley to the approximate centre of the tube and connect chain as in Fig. 2. NOTE: Roll chain out carefully to prevent tangling.



### Step 4

Tension the chain (ensuring the chain is kept straight) by turning the trolley onto the chain adjustment rod. The tension is correct when the chain sags between 4mm and 8mm. Use lock nut to prevent loosening in service. Check chain tension after initial installation and thereafter as required.

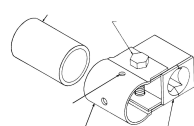


Fig. 3

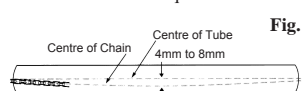
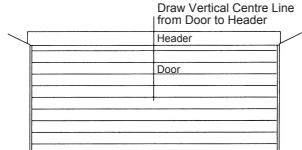


Fig. 4

### Step 5

It is essential that door header be substantial as nearly all of the forces generated by the opener are concentrated at the header bracket. Determine the centre of the door and continue this vertical line through the header as in Fig. 5.

Fig. 5



### Step 6

Lift the door and find the highest point to which the top of the door reaches. Using an appropriate straight edge and level, transfer this height to the header. Allow from 8mm-10mm clearance between the drive tube and door and proceed to step 7.

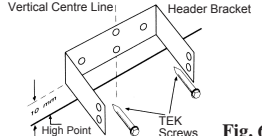


Fig. 6

### Step 7

Place the bottom of the header bracket at the height determined in step 5 fixing with the screws supplied. Headroom requirements and the need to avoid obstructions sometimes make it necessary to move the bracket higher. Place powerhead on the garage floor, being careful not to damage or scratch the paintwork, and attach idler bracket assembly to header bracket using clevis pin and clip. See Fig. 7.

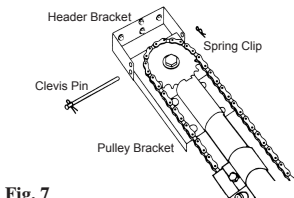


Fig. 7

### Step 8

Raise the powerhead and support on a step ladder. Raise the door to the open position. Align the drive tube with the point marked at the top of the door. Exact alignment is essential. To secure the opener, support powerhead in the manner shown (Fig. 8) using the perforated strip and TEK screws supplied. (The operator has three convenient mounting positions to suit most applications - it is sometimes advisable to cross brace.)

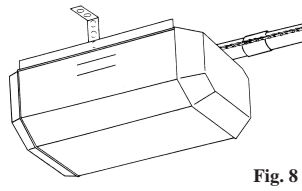


Fig. 8

### Step 9a

Door Arm Installation Rigid Door.

Use only the straight arm and in the case of Jamb hardware it should be used full length. The door bracket should be installed as close to the top of the door as possible. (Refer back to Step 6.)

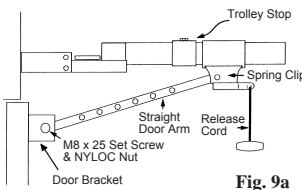


Fig. 9a

### Step 9b

Note: Be sure door is in the down position. Door Arm Installation Sectional Door. In most cases the top panel will be about 500mm in height this means a measure down of 175mm would be about normal to position door bracket. Make sure mounting on door is of sufficient strength to bear the load. The door arm must first be attached to the door, not the trolley.

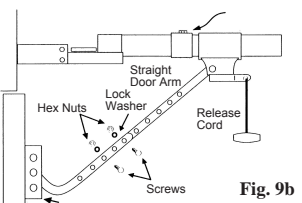


Fig. 9b

### Step 10

Connect wire to push button as shown in figure 10. Be sure to route wire to prevent chaffing on sharp surfaces and make sure wire is properly secured to ceiling and wall. Mount push button in an easily accessible place. Preferably near an egress door and away from any dampness. Be sure to mount button high enough to prevent children from playing with the opener.

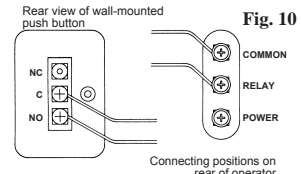


Fig. 10

### Step 11

With the emergency release disengaged; move the door to the fully closed position, slide the front trolley stop back to leave a gap of approximately 10-15mm between it and the trolley housing, tighten the trolley stop onto tube. Now open door to its fully open position, slide rear trolley stop forward until firm contact is established with the trolley and similarly tighten. Proceed to move door to the half open position and engage trolley into trolley housing. Fig. 11.

Caution: Check tightness of both front and rear trolley stops and double check trolley is fully engaged. Now you are ready to programme operator. Plug operator into power supply. Push programme button momentarily. See Fig 12. The door will travel down and set the button limit, pause, then up and set the top limit. It will then complete one more cycle to set the opening and closing safety settings. All the actions are automatic. Do not touch the programme button again. Your Dominator Opener is now fully adjusted and ready for use. Minor adjustment for the exact positioning of the front trolley stop may be necessary with doors of varying construction. The operator programme must detect a firm stop to establish its initial position in the set up mode. The door will slightly overclose in its initial set up, thereafter it will automatically adjust itself to a firm close. NB It is recommended that after tightening the trolley stops, that you drill and pop rivet trolley stop to the tube.

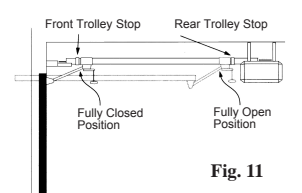


Fig. 11

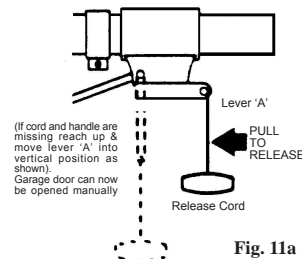


Fig. 11a

## Emergency Power Failure Instructions for Dominator Garage Door Openers

Unless access to garage is required do nothing. If access is required pull down on blue handle to disconnect door from opener. As per Fig. 11a. When power is restored move lever 'A' back to horizontal position and manually move the garage door up to the carriage where it will automatically reconnect with an audible "click". Press wall button or remote control. Garage door will move up or down and locate the appropriate stop. The opener is now ready for use. Important: Do not operate opener unless garage door is connected to carriage. Make sure no obstructions are present.

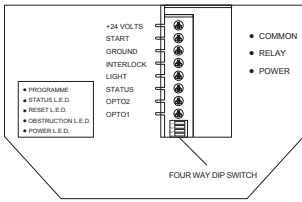


Fig. 12