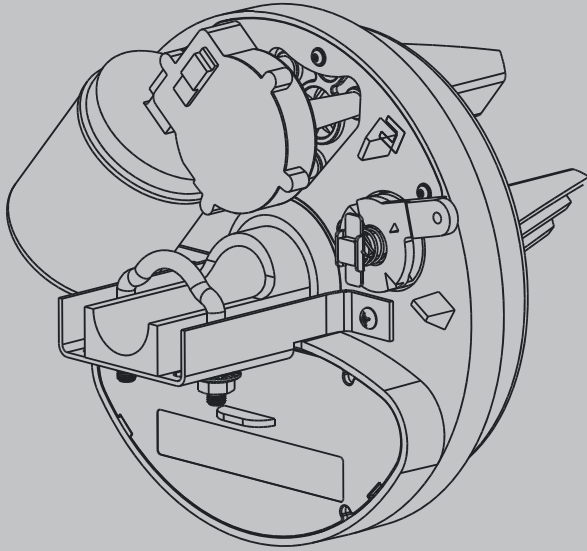
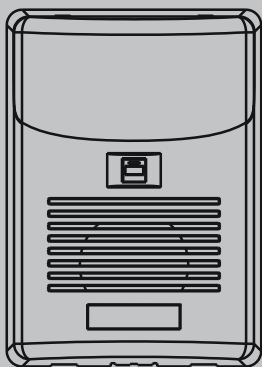


SUPERLIFT



**Rolling Door
Opener
RDO-1BP**



Safety Obstruction Detection

Rolling Code Security

Anti Theft Security System

Automatic Closing

Automatic Courtesy Light



IMPORTANT SAFETY RECOMMENDATIONS

FAILURE TO COMPLY WITH THE FOLLOWING SAFETY RECOMMENDATIONS MAY RESULT IN SERIOUS PERSONAL INJURY, DEATH AND/OR PROPERTY DAMAGE.

1. **READ AND FOLLOW ALL SAFETY AND INSTALLATION INSTRUCTIONS CAREFULLY.**
2. **The installation of your new Automatic Garage Door Opener (herein after referred to as “AGDO”) must be carried out by a technically qualified or licensed person. Attempting to install your new AGDO without suitable technical qualification may result in severe personal injury, death and/or property damage.**
3. Only install the AGDO on a properly balanced and aligned, well functioning Garage Door. An improperly balanced or malfunctioning Garage Door could cause serious injury. Have a qualified person check and if required, make repairs to your Garage Door **before** installing the AGDO. As a general rule, your Garage Door is deemed to be well balanced and aligned if it;
 - a. requires an equivalent amount of applied force to manually open or close and,
 - b. requires no more than 150N of applied force to either manually open or close and,
 - c. does not rise or fall more than 100mm when stopped at any position between fully open or fully closed positions and,
 - d. does not rub on or make contact with any supporting or surrounding structures.
4. Repairs to Garage Doors must only be carried out by technically qualified persons. Attempting to repair the Garage Door without suitable technical qualification may result in severe personal injury, death and/or property damage.
5. Remove or render inoperative all existing locks and ropes prior to installation of the AGDO.
6. The counter balance springs on sectional type doors **must** be properly lubricated between all of the coils with heavy automotive bearing grease. Failure to adequately lubricate the springs may result in one or more of the following symptoms;
 - a. The springs will become rusty over time resulting in extra operating friction between the coils which may cause the AGDO to malfunction.
 - b. Seasonal temperature changes may cause the Garage Door springs to expand and/or contract. The resultant increase and/or decrease in operating friction may cause the AGDO to malfunction. Properly lubricating the springs will help to minimize the effect of seasonal temperature changes in operating friction of your Garage Door.
7. If possible, install the AGDO at least 2 meters or more above the ground. Adjust the Manual Release Chord so that it hangs approximately 1.8 meters from the ground.
8. Do not connect the AGDO to the power source until this manual instructs you to do so.
9. The AGDO must be connected to a **properly earthed** general purpose 240V outlet which has been installed by a qualified electrical contractor.
10. Locate the wall control panel/push button;
 - a. within site of the Garage Door and,
 - b. at a minimum height of 1.5 meters above the ground so that it remains out of the reach of small children and,
 - c. away from all moving parts of the door.
11. Install the Entrapment Warning Label in a prominent position next to the wall control button.
12. The Manual Release Instruction Tag must remain attached to the Manual Release Chord.
13. After installing and correctly adjusting the AGDO, the Garage Door **must** stop and reverse direction when it comes into contact with a 35mm high solid object placed on the floor under the Garage Door.
14. The correct function of the Safety Obstruction Reversing System should be checked on a monthly basis. Make sure that the Garage Door reverses when it makes contact with an obstruction.
15. Never use the AGDO unless the Garage Door is in full view and free from objects such as cars, children and/or adults.

IMPORTANT SAFETY RECOMMENDATIONS

16. Never allow children to operate the AGDO.
17. Never operate the AGDO when children/persons are under or near the path of the door. Children **must** be supervised at all times when near the Garage Door and when the AGDO is in use.
18. Never attempt to disengage the AGDO to manual operation when there are children/persons or and other objects including motor vehicles under or near the path of the Garage Door.
19. Never attempt to open or close the Garage Door by pulling on the Manual Release Chord.
20. Never attempt to make any repairs or remove covers from the AGDO without first disconnecting the power supply chord from main power supply.
21. For additional safety we strongly recommend the fitment of Safety Beams. Although the AGDO incorporates a pressure sensitive safety obstruction system, the addition of Safety Beams will greatly enhance the operating safety an Automatic Garage Door and provide additional peace of mind. In some countries it is mandatory by law to fit Safety Beams. It is the sole responsibility of the owner/installer to fit Safety Beams in those countries which so require.
22. Removal of the AGDO's protective covers must only be performed by a technically qualified person. Attempting to remove the protective covers or repair the AGDO without suitable technical qualification may result in severe personal injury, death and/or property damage.
23. Always ensure that the Garage Door is fully open before driving into or out of the Garage.
24. Always ensure the Garage Door is fully closed before leaving the driveway.
25. Adjustments to the Safety Obstruction Force settings must only be carried out by a technically qualified person. Attempting to adjust the Safety Reverse Force setting without suitable technical qualification may result in severe personal injury, death and/or property damage.
26. Keep hands and loose clothing clear of the Garage Door and Product at all times.
27. In order for the Safety Obstruction Force System to function it must first encounter an object/person on to which some force **MUST** be exerted. As a result the object/person/door may suffer **DAMAGE OR INJURY**.
28. **The Safety Obstruction Force System is designed to work on STATIONARY objects only. If the Garage Door encounters a moving object during an Open or Close Cycle, serious personal injury, death and/or property damage may occur.**

Warranty Exclusions

No claims whatsoever will be recognized under the terms of this product's warranty which pertain to damage, injury, cost or expense, suffered by persons or to property, which either directly or indirectly arise out of any of the following actions;

- a. Failure to install the AGDO in accordance with the installation instructions herein contained.
- b. The Garage Door striking a moving object. (refer Point 27 in the above)
- c. The AGDO being used on other than a maximum 4 car residential application.
- d. Failure to adequately lubricate the Garage Door counter balance springs. (refer point 6 in the above)
- e. Attempting to open or close the Garage Door by directly pulling on the Manual Release Chord.
- f. Installing the AGDO on an improperly balanced and/or poorly functioning and/or misaligned Garage Door. (refer Point 3 in the above)
- g. Manually releasing the Garage Door in any position other than when fully closed.
- h. Failure to connect the AGDO to a properly earthed power supply.
- i. Failure to provide affective door stops in the door fully open position.
- j. Light bulbs are not covered under the terms of this product's warranty.

OPERATING CONTROLS

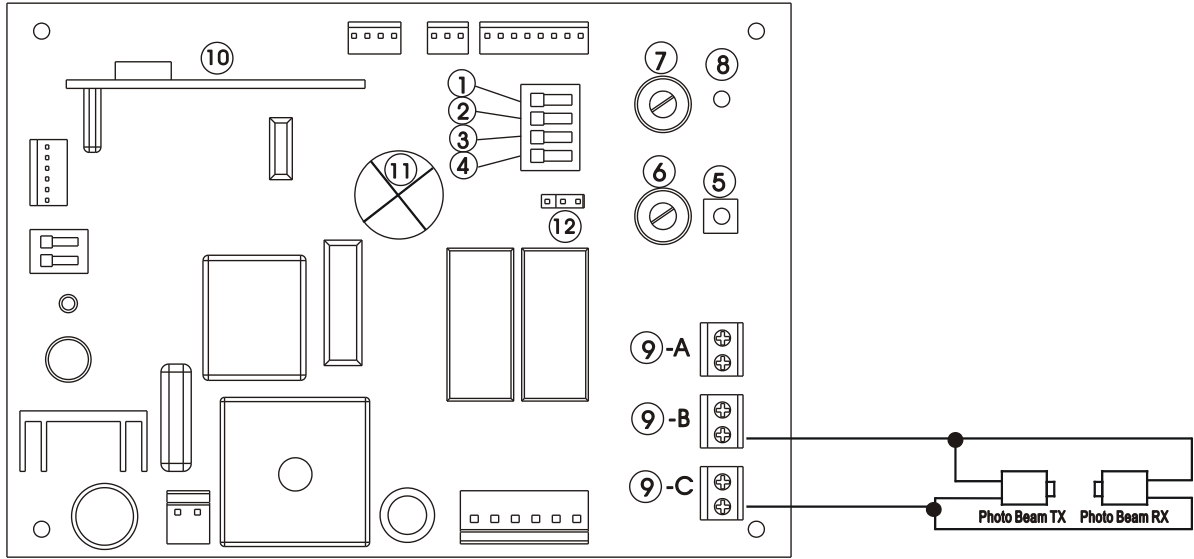


Fig 1

Fig 1A

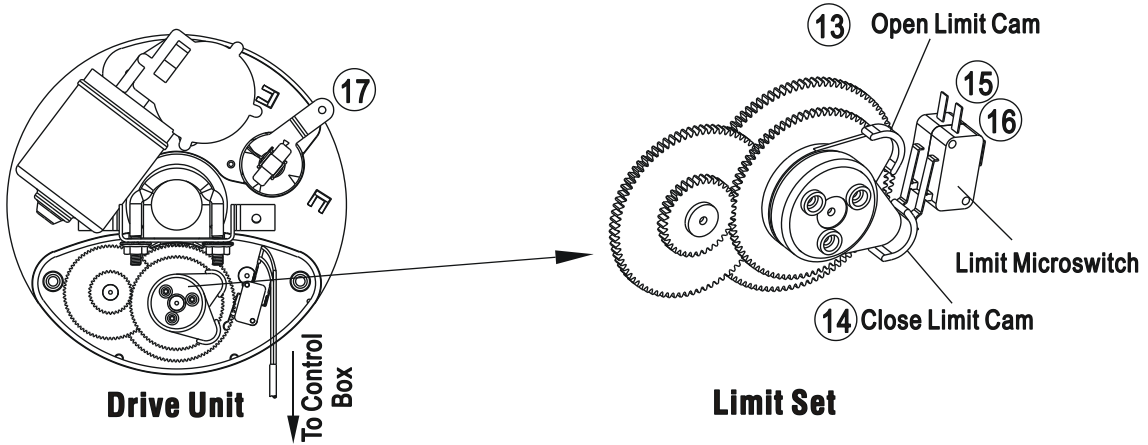


Fig 2

Fig 2A

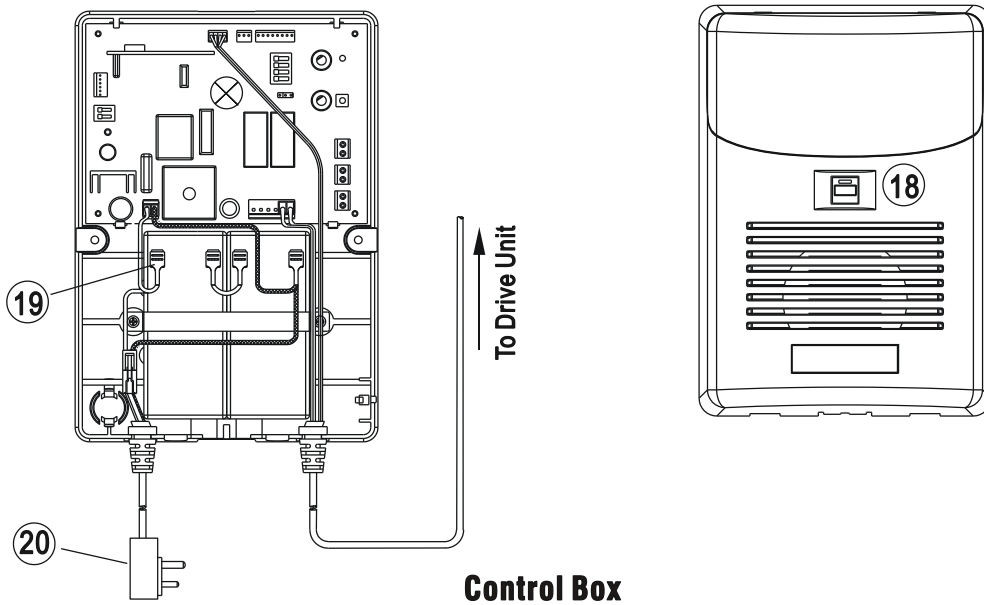


Fig 3

Fig 3A

OPERATING CONTROLS

1. **PHOTO BEAM ENABLE DIP SWITCH.** (refer Sec.18)
2. **AUTO CLOSE ENABLE DIP SWITCH.** (refer Sec.21)
3. **AUTO CLOSE DELAY DIP SWITCHES** are used to adjust the time to auto close. (refer Sec.21)
4. **SAME AS ABOVE**
5. **CODE BUTTON** used for storing or erasing transmitter security code (refer Sec.15)
6. **CLOSE DIRECTION SAFETY OBSTRUCTION FORCE ADJUSTMENT SCREW** is used to adjust the Safety Obstruction Force value in the Open Direction (refer Sec.11 & 13)
7. **OPEN DIRECTION SAFETY OBSTRUCTION FORCE ADJUSTMENT SCREW** is used to adjust the Safety Obstruction Force value in the Close Direction (refer Sec.12 & 14)
8. **CODE LAMP** signals stages of transmitter code learning process (refer Sec.15)
9. **OUTPUT TERMINALS** for connection of photo safety beams or remote mounted push button. (refer Sec.17, 18 & 22)
10. **RADIO RECEIVER** processes the signal from the hand held transmitter.
11. **AUTO COURTESY LIGHT** is activated automatically each time the opener commences an open or close cycle and remains on for approx 3 minutes.
12. **JUMPER PLUG (J8)** switches power supply for use with either one of Safety Beams or External Receiver. (refer Sec.18)
13. **OPEN LIMIT CAM** is used to adjust the door fully open position. (refer Sec.7 & 10)
14. **CLOSE LIMIT CAM** is used to adjust the door fully closed position. (refer Sec.8 & 10)
15. **OPEN LIMIT MICRO SWITCH** is used to stop door when it reaches the fully open position.
16. **CLOSE LIMIT MICRO SWITCH** is used to stop the door once it reaches the fully closed position.
17. **ENGAGE/DISENGAGE LEVER** engages/disengages opener from the door. (refer Sec.4)
18. **EXTERNAL PUSH BUTTON** alternatively opens, closes or stops the door when activated.
19. **POSITIVE BATTERY CABLE**
20. **PLUG PACK BATTERY CHARG**

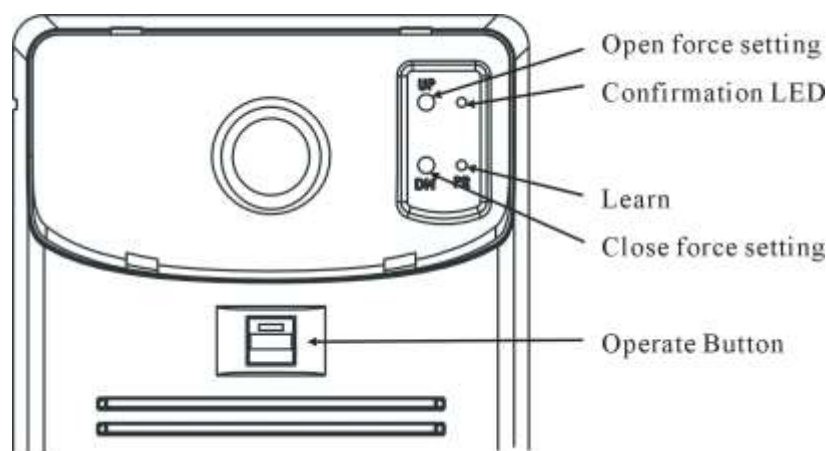


Fig 4

REQUIREMENTS PRIOR TO INSTALLATION

A. Forward

Your AGDO is comprised of 2 major individual components being, Drive Unit (Fig.2) and Control Box (Fig 3). This section of the manual deals with the basic fitting requirements which should be met **before** you attempt to install your opener. Study them carefully to ensure that your door and surroundings are suitable for such an installation.

Important Note: The procedures outlined in this manual require a certain degree of technical and mechanical skill. It is not recommended that your AGDO be installed by a home handyman. The AGDO should always be installed, serviced and adjusted by a technically qualified person.

B. Side Room Requirement

The recommended minimum and maximum door mounting bracket position as measured from the edge of the garage door curtain is depicted in Fig.5. The ideal distance should be between 85~125mm as indicated.

Important Note: The fixing distance may vary from garage door to garage door depending on the distance that the garage door drum wheel has been set inside the garage door curtain. The installer should verify the correct distance by actual check measurement prior to mounting or moving any garage door brackets.

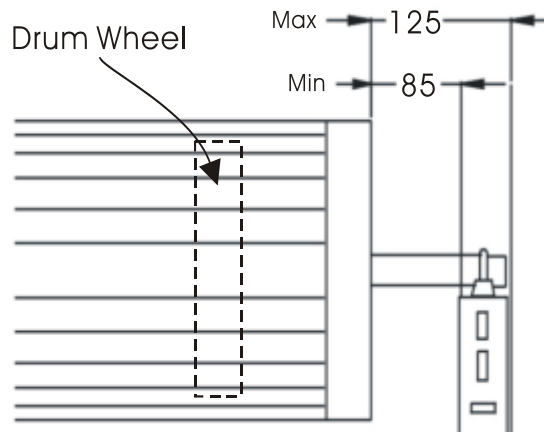


Fig 5

C. Check For Correct Function Of The Door

Before beginning the installation of the AGDO check that the garage door is functioning correctly. The garage door must be well balanced and operate smoothly and freely. When opened to between 900~1200mm from the floor and released the garage door should remain in one fixed position and not rise or fall more than 100mm. It should not bind or stick in the side tracks. The ideal operational effort required to open or close the garage door should not exceed a force of 15kg. (Refer Item 3, Page 2)

Important Note: The AGDO must not be installed on a poorly adjusted, worn or damaged door.

D. Weight Bar

The main purpose of the weight bar is to eliminate the possibility of the garage door curtain “ballooning” when starting from the fully open position. With the weight bar fitted the garage door should have a natural tendency to lightly free fall from the mid open position.

E. Left Or Right Hand Installation

The AGDO has been factory set to be installed on the right hand end of your garage door (when viewed from inside the garage looking out) If the left hand side is the preferred side for installation then carry out the procedure outlined in Section F below - otherwise skip section F and go directly to Section G

REQUIREMENTS PRIOR TO INSTALLATION

F. Converting For Right Hand Installation

Locate the red and black motor wires. (Fig.6) The standard connection (Black to Black and Red to Red) must be reversed. Unplug the wires at the connectors and reverse them so that they are connected Red to Black and Black to Red.

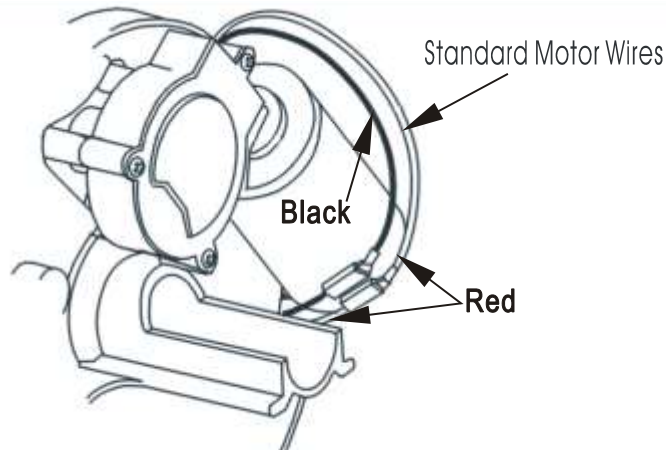


Fig 6

G. Control Box Location

Mount the Control Box (Fig.3A) on a smooth flat surface. The area must be completely free of exposure to water, either direct (rain, garden hose, sprinklers etc) or indirect (seepage either through or down the internal face of the wall). The Control Box contains sensitive electronics which will sustain damage as a result of **any** water intrusion. Water damaged electronics are not covered under the terms of the opener warranty.

Important Note: The control box is not water proof!

H. Battery Charger

The plug pack battery charger is provided to keep the batteries charged to an optimum voltage. A red coloured LED, located on the charger casing will illuminate to indicate that the charger has been connected to an active power supply

I. Battery Cable Connection

In order to conserve battery power prior to installation, the AGDO is supplied with the positive (red) battery cable disconnected from the battery terminal. Connect this cable prior to commencing the installation as follows; Remove the Control Box lid and connect the red cable to the positive (+) battery terminal as depicted in Fig.3 Item 19. Once connected the lid can be refitted.

INSTALLATION INSTRUCTIONS

1. Mounting The Control Box

- 1.1 Establish a location at approximately chest height on the same wall face as that of the Door Mounting Bracket to which Drive Unit will be secured. Make sure that the cable running from the Control Box is long enough to reach up to the Drive Unit for the location that has been selected.
- 1.2 Use the Mounting Template provided on Page 16 to mark the location of the 3 Control Box mounting screws.
- 1.3 Drill a 6mm hole at each of the 3 marked locations to an approx depth of 75mm.
- 1.4 Insert a green wall plug (provided) into each of the 3 holes.
- 1.5 Insert a self tapping screw (provided) into each of the green plugs and leave the heads exposed from the wall approx 6mm.
- 1.6 Locate the 3 recessed mounting slots on the center back of the Control Box base plate and “hook” the Control Box onto the screws Note: The mounting screws may need to be adjusted for depth if the Control Box will not hook on to the screws or if the Control Box does hook on but is loose.
- 1.7 At this stage, **DO NOT** plug the Charger into a power socket.

2. Fitting Of Drive Unit To The Door (Right Hand Installation Depicted)

- 2.1 Check that the door U-bolt is securely tightened on the opposite end of the door to which the Drive Unit will be fitted (Fig.7)
- 2.2 Open the door fully and ensure that the bottom stoppers of the Garage Door are engaged with the stoppers on the door guide tracks.
- 2.3 Place a suitable prop under the door as close to the edge (to which the drive unit is being fitted) as possible. The prop should be adjusted so that it sits firmly under the door. (Fig.8)
- 2.4 **Important Note: The door curtain can become damaged quite easily once the full weight of the door is imparted on the prop. The prop must be strong enough to sustain the full weight of the door but at the same time have enough padding that it will not damage the door curtain. The suitability of the prop should be determined by a technically qualified person. No claims for door damaged will be recognized under the terms of the AGDO's warranty when using an unsuitable prop.**

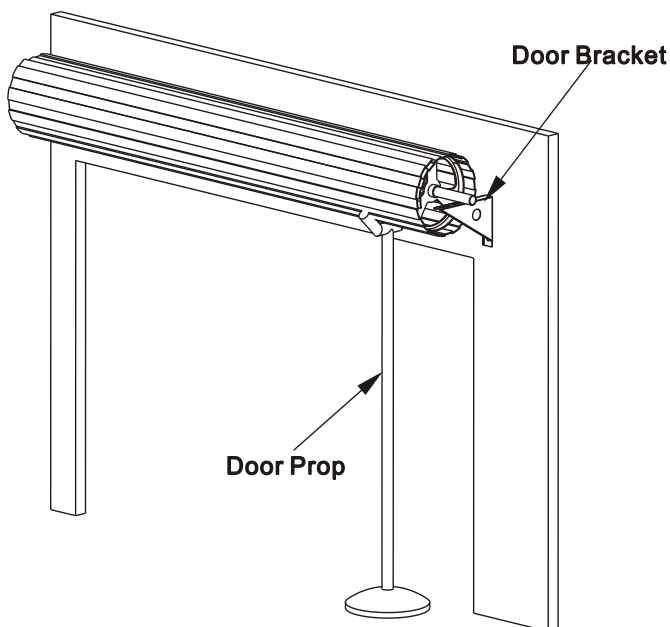


Fig 7

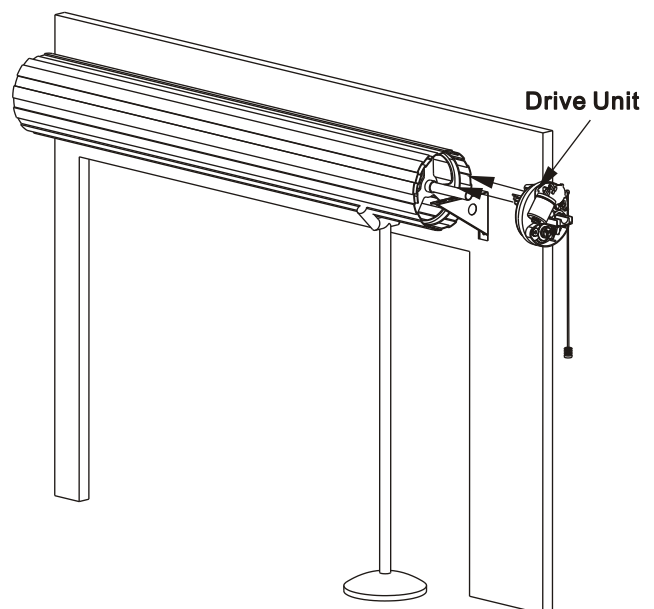


Fig 8

INSTALLATION INSTRUCTIONS

- 2.5 Remove the U-bolt from the end of the garage door to which the Drive Unit will be fitted.
- 2.6 Having ensured that the prop is stable and firmly in position, remove the garage door mounting bracket from the wall.
- 2.7 If not already disengaged then disengage the AGDO Drive Unit by pulling once on the release lever (Fig.11) - the forked drive gear should now rotate freely
- 2.8 Orientate the Drive Unit as per Fig.9
- 2.9 Slide the center of the Drive Unit over the garage door axle. Push the Drive Unit fully into the garage door and ensure that one of the garage door drum wheel spokes slides **in between** the forks of the Drive Unit.
- 2.10 Refit the garage door mounting bracket to the wall. The U-Bolt slots in the door bracket must align with the U-bolt mounting slots in the Drive Unit. (Fig.10)
- 2.11 Important Note: In some cases the door mounting bracket may need to be re positioned in order that the U-Bolt holes align.**
- 2.12 Fully insert the specially supplied U-bolt through the Drive Unit and garage door mounting bracket slots.
- 2.13 Affix and firmly tighten the U-Bolt with the 2 securing nuts provided.
- 2.14 Check the manual operation of the door by fully raising and lowering the door. The door should run smoothly and should not catch on any part of the Drive Unit assembly.

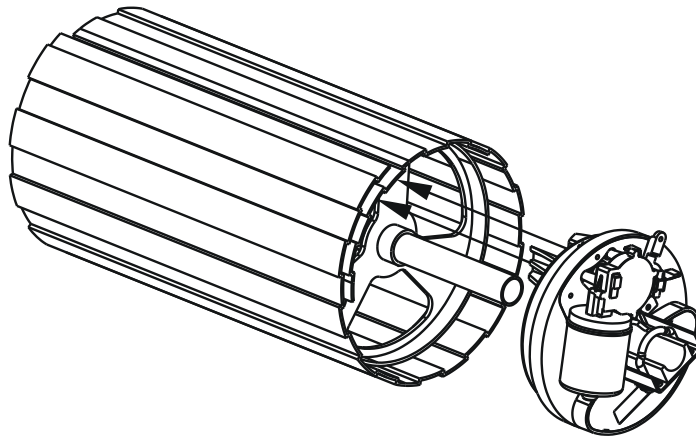


Fig 9

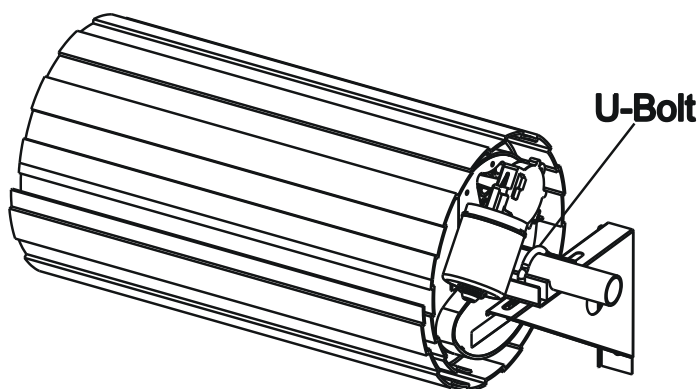


Fig 10

3. Adjusting Release Cord

- 3.1 Unfurl the Red Disengage Cord and cut it to an appropriate length so that its end hangs approximately 1800mm above the garage floor.

INSTALLATION INSTRUCTIONS

4. Engaging And Disengaging The Drive Unit

- 4.1 To disengage the Drive Unit from the garage door pull down on the Red Release Chord. (Fig.11)
- 4.2 To engage the Drive Unit to the garage door pull down once more on the Red Release Chord.
- 4.3 **Important Note: Always disengage the Drive Unit with the garage door in the fully closed position.**
- 4.4 **Important Note: If attempting to disengage the Drive Unit from any position other than with the garage door fully closed ensure that there are no persons and/or property near or directly under the path of the garage door.**

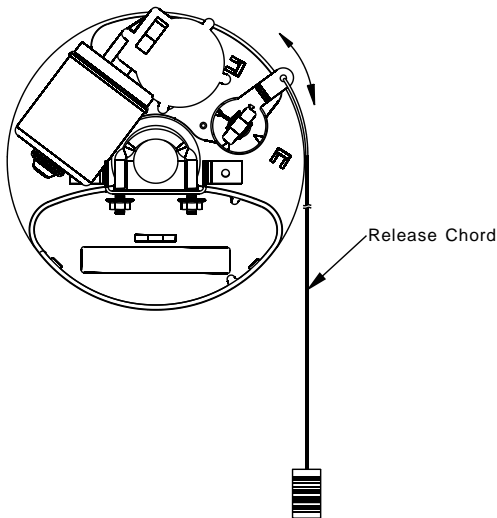


Fig 11

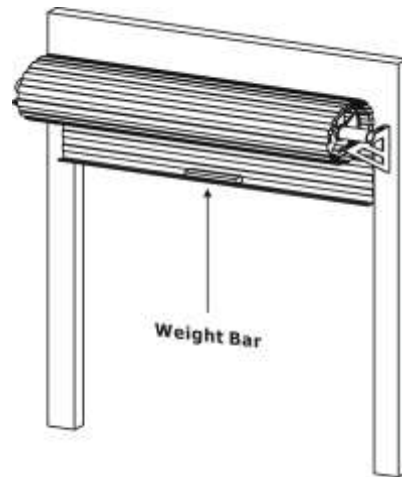


Fig 12

5. Fitting of Weight Bar

- 5.1 Fit the weight bar to the top edge of the garage door bottom rail as depicted in Fig.12

6. Fixing Of Curtain To Drum Wheel

- 6.1 The garage door curtain must be secured to the drum wheel with suitable fasteners such as self drilling screws or rivets.
- 6.2 With the garage door in the fully closed position, mark the curtain at points "A" and "B" as depicted in Fig.13
- 6.3 Once marked, open the door slightly so as to have access to the marked positions. Secure the curtain to the drum wheel ensuring that the fixing points are at least 90 degrees apart.

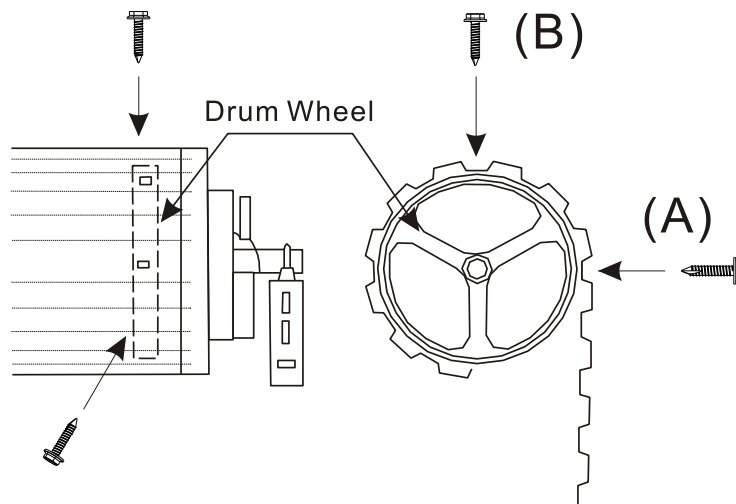


Fig 13

SETTINGS AND ADJUSTMENTS

7. Door Travel Adjustment – Open Direction

- 7.1 With the Drive Unit in disengaged mode move the door up by hand to the fully open position.
- 7.2 Remove the limit cover to expose the Limit Adjust Cams. (Fig.2)
- 7.3 Slightly loosen the 3 cam locking screws (to the extent that you can rotate the cam by hand with a firm push)
- 7.4 Rotate the Open Limit (Lower) Cam (Fig.2) by hand, in the direction of the Open Limit (Lower) Switch, until you hear the Switch “click”. Once the Open Limit Switch “clicks” continue to rotate the cam a further 10 degrees or so towards the switch.
- 7.5 To check the Open Limit Switch adjustment - Move the door down by hand and then slowly back up again. The limit switch should “click” approx 100mm **BEFORE** the door stops make contact with the rail stops.
- 7.6 If not, then adjust the Open Limit Cam accordingly.

8. Door Travel Adjustment – Close Direction

- 8.1 With the Drive Unit in disengaged mode move the door down by hand to the fully closed position.
- 8.2 Move the door down by hand to the desired fully closed position.
- 8.3 Rotate the Close Limit (Upper) Cam (Fig.2) by hand, in the direction of the Close Limit (Upper) Switch, until you hear the Switch “click”. Once the Open Limit Switch “clicks” continue to rotate the Cam a further 10 degrees or so towards the switch.
- 8.4 To check the Close Limit Switch adjustment, raise the door by hand and then slowly lower again. The Close Limit Switch should “click” approx 100mm **BEFORE** the door touches the ground. If not then adjust the Close Limit Cam accordingly.

9. Connecting to Power Supply

- 9.1 Connect the AGDO Battery Charger to a properly earthed power supply.
- 9.2 Switch the power on at the power supply – the LED on the charger should glow red.

10. Door Travel - Final Adjustment

- 10.1 Open the garage door to a midway position and then pull once on the red disengage cord to engage the AGDO to the garage door
- 10.2 Test the garage door open and close positions by pressing the external push button located on the front face of the Control Box.
- 10.3 Check that the garage door opens and closes to the required positions. If not then re-adjust the Open and/or Close Limit Cams accordingly.
- 10.4 Turn the appropriate cam TOWARDS the Limit Switch to DECREASE garage door travel and AWAY from the appropriate Limit Switch to INCREASE garage door travel.
- 10.5 Once finally adjusted, firmly tighten the 3 Limit Cam Locking Screws and refit the Limit Cover Plate.

11. Safety Obstruction Force Adjustment – Close Direction

- 11.1 Locate the Close direction Safety Obstruction Force adjustment “SOFA” thumb screw and turn it to the maximum setting in a clockwise direction. (Lower of 2 screws Fig.4)
- 11.2 With the garage door in the fully OPEN position - press the red button located on the face of the Control Box. As the garage door commences to CLOSE, slowly begin to turn the “SOFA” screw in an anti clockwise direction until the garage door stops and reverses towards the Open direction. Now turn the adjustment back 10 degrees in a CLOCKWISE direction. Note:
- 11.3 Important Note: The garage door must stop and reverse before it reaches the ground.**
- 11.4 Test the adjustment by pressing the red button again. This time the garage door should reach the fully closed position without reversing.

SETTINGS AND ADJUSTMENTS

12. Safety Obstruction Force Adjustment – Open Direction

- 12.1 Locate the Open direction Safety Obstruction Force “SOFA” adjustment thumb screw and turn it to the maximum setting in a clockwise direction. (Upper of 2 screws Fig.4)
- 12.2 With the garage door in the fully CLOSED position - press the red button located on the face of the Control Box. As the garage door commences to OPEN, slowly begin to turn the “SOFA” screw in an anti clockwise direction until the garage door stops. Now turn the adjustment back 10 degrees in a CLOCKWISE direction.
- 12.3 **Important Note: The door must stop and reverse before it reaches the fully Open position.**
- 12.4 Test the adjustment by pressing the red button again. This time the door should reach the fully OPEN position without stopping.

13. Safety Obstruction Force Testing – Close Direction

- 13.1 With the garage door in the fully open position, place a length of timber measuring 100mm x 50mm on the floor directly under the middle of the garage door. (Fig.14)
- 13.2 With the garage door in the fully open position - close the door by pressing the button located on the front of the Control Box. The garage door should strike the timber and then automatically start to re-open.
- 13.3 If the garage door does not re-open or requires excessive force to re-open, then the Close “SOFA” will need to be re-adjusted.
- 13.4 Turn the Close direction “SOFA” screw 5 to 10 degrees in an anti-clockwise direction and then repeat steps 13.2 and 13.3 until such time as the garage door will reverse when it hits the timber.

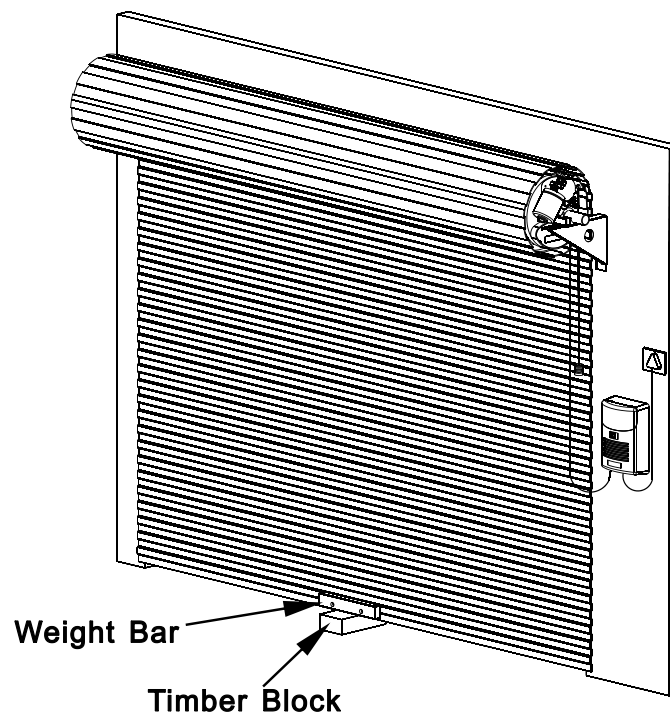


Fig 14

SETTINGS AND ADJUSTMENTS

14. Safety Obstruction Force Testing – Open Direction

- 14.1 With the garage door in the fully closed position – press the red button located on the front face of the Control Box to open the door.
- 14.2 As the garage door is opening push down firmly on the bottom rail of the door (middle of the door from the inside)
- 14.3 The garage door should stop without having to exert excessive force.
- 14.4 If excessive force is required to stop the garage door then the Open direction “SOFA” screw will need to be re-adjusted.
- 14.5 Try turning the Open direction “SOFA” screw 5 to 10 degrees in an anti-clockwise direction and then repeat steps 14.1 ~ 14.4 until such time as the door will stop without excessive force.
- 14.6 If the force is too light then turn the Open direction “SOFA” screw 5 to 10 degrees in a clockwise direction.
- 14.7 Once the desired adjustment has been reached, the “SOFA” adjusting pins should be removed from the housing to prevent any tampering by children or unqualified persons
- 14.8 Important Note: Upon hitting an obstruction – If the garage door STOPS on the DOWN CYCLE and REVERSES on the UP CYCLE then the motor wires are incorrectly connected and MUST BE reversed to enable safe and correct operation of the safety reversing system (Refer Pg 7 Sec F)**

15. Transmitters Code Learning

- 15.1 Remove the hand held transmitter from the packing box.
- 15.2 Remove the light cover from the Control Box by gently pulling at the top edge.
- 15.3 Locate the “Code Set” button within the recessed panel at the top right corner of the Control Box (Fig.4)
- 15.4 Momentarily press the “Code Set” button - red coding indicator lamp will glow solid.
- 15.5 Momentarily press the hand transmitter button - red coding indicator lamp will extinguish.
- 15.6 Momentarily press the hand transmitter button once again - red coding indicator lamp will begin to flash – once flashing stops, the coding sequence has been completed.
- 15.7 Test for correct programming by pressing and holding the hand transmitter button until the door starts to move.
- 15.8 To code another transmitter follow steps 15.3 to 15.7
- 15.9 Replace the Control Box lamp cover once coding has been completed and the AGDO is now ready for use.

16. Transmitter Code Erasing

- 16.1 Switch the AGDO off at the power supply.
- 16.2 Press and hold down the “Code Set” Button.
- 16.3 While continuing to hold down the “Code Set” button switch the power on at the power supply.
- 16.4 After a few seconds the “Red Coloured LED” will begin to flash.
- 16.5 Once the “Red Coloured LED” stops flashing, release the “Code Set” button and all of the previously stored codes will have been deleted.

17. Wall Switch – Installation

- 17.1 Where provide a hard wired Wall Switch can be connected to the AGDO.
- 17.2 Using Figure 8 Cable, strip back both ends of the cable and connect 2 strands of one end to terminals 9A & 9B located on the logic board. (Fig.1)
- 17.3 Connect the 2 strands on the opposite end of the cable to the terminals located on the back of the Wall Switch.
- 17.4 Important Note: The Wall Switch must be mounted within sight of the door and a reasonable distance away from moving parts. It should be mounted at least 1500mm above the ground and the Entrapment Warning Label provided must be attached adjacent to and within clear sight of it.**

SETTINGS AND ADJUSTMENTS

18. Safety Beams - Installation

- 18.1 Locate the Safety Beam Mounting Brackets provided.
- 18.2 Mark the inside door framing so that the bottom edge of the Mounting Brackets sit 125mm off the floor.
- 18.3 Use the 2 mounting screws provided to fasten each Mounting Bracket to the wall. Do not over tighten the fixing screws as the Mounting Brackets will need to undergo adjustment at a later time.
- 18.4 Use the 2 screws and nuts provided to fasten the Safety Beams to the Mounting Brackets so that the Indicator Lamp on each Safety Beam is facing upwards.
- 18.5 Using Figure 8 cable, strip back and connect the 2 strands of one end of the cable to each of the 2 terminals located on the outer cover of each Safety Beam.
- 18.6 Securely fix the cable up and along the wall and run one length of each cable over to the Control Box. (Fig.3)
- 18.7 Strip back and connect one strand of each cable to the terminals marked 9B & 9C (Fig.1)
- 18.8 A green pilot light on the “emitter” will illuminate to indicate that the Safety Beams have been connected correctly
- 18.9 Enable Dip Switch No.1 by selecting it to the “on” position (Fig.1, Item 1)
- 18.10 **Important Note: For the Safety Beams to function correctly the jumper plug J8 located on the control board (Fig.1, Item 12) of the AGDO must be positioned so that the middle and right hand pins are connected.**
- 18.11 **Important Note: The AGDO will only support the fitment of genuine Superlift Brand 2 wire Safety Beams.**

19. Safety Beams - Alignment

- 19.1 Align the 2 Safety Beams (by turning the mounting bracket) so that their lenses are aimed directly at each other. A red indicator lamp on the “receiver” will glow solid once correct alignment has been achieved.
- 19.2 Test the Safety Beam alignment several times, each time ensuring that when the Safety Beams are obstructed the red indicator lamp is extinguished, and when unobstructed the indicator lamp glows solid.
- 19.3 Firmly tighten the Safety Beam mounting bracket fixing screws.
- 19.4 Installation of Safety Beams is now complete.

20. Safety Beam – Function Testing

- 20.1 Initiate a closing cycle on the AGDO and as the Garage Door is closing pass your hand through the line of the Safety Beams. If the Safety Beams are functioning correctly the AGDO should stop and then immediately reverse direction.
- 20.2 If the Garage Door commences a close cycle but stops and reverses before the Safety Beams are blocked, check that the Safety Beams are aligned correctly as outlined in points 18.1 ~ 18.3

21. Auto Close Mode

- 21.1 In Auto Close Mode the AGDO will automatically close a pre set time after it reaches the fully open position.
- 21.2 To enable Auto Close Mode move dip switch No.2 to the “ON” position. (Fig.1)
- 21.3 The Auto Close pre set time is determined by the position of dip switches Nos. 3 & 4 (Fig.1) and is set out in the following table: 15 sec = Dip 3&4 Down b. 30 sec = Dip 3&4 Up
- 21.4 **Important Note: Auto Close Mode will only work if Safety Beams have been enabled and correctly aligned**

22. Output Terminals

- 22.1 The AGDO provides a 24VDC external power supply to support the connection of external accessories.
- 22.2 The values of the output terminals is set out in the following table: 9A ~ Com, 9B ~ Neg, 9C ~ +24VDC (Fig.1)
- 22.3 **Important Note: For connection of any external accessory other than Safety Beams the jumper plug J8 located on the control board of the AGDO must be positioned so that the middle and left hand pins are connected.**

TROUBLE SHOOTING GUIDE

SYMPTOM	POSSIBLE CAUSES	REMEDY
Door will not operate	Mains power not turned on Door is obstructed	Turn on mains power Remove obstruction
Door is locked or motor jammed	Mechanical door lock has been engaged	Unlock door Inspect door and remove jam
Door will not reverse on hitting an object	Safety Obstruction Force setting is too high and may require adjustment.	Refer to Installation instructions, - Items 8~10
Door moves downwards and reverses itself upwards	Safety Obstruction Force setting is too light and may require adjustment. Adverse weather conditions (wind or cold) causing door to stiffen and become tight. Possible obstruction under door	Refer to Installation Instructions – Items 8 ~ 10
Door operates from drive unit but not from hand transmitter	Transmitter is damaged or broken Transmitter Code has not been programmed into the receiver Control Box antenna wire not extended Battery flat.	Try to operate the door with an alternative transmitter Refer to installation instruction Item 5. Locate and extend aerial wire Replace battery(12V)
Door does not close fully	Limit micro switch incorrectly adjusted	Re-adjust limit switch - Refer Installation Instruction Item 3
Lights malfunction	globe blown	Replace with 24VDC/3W globe
Door Stops on Upward cycle before reaching the fully open position	Door may be obstructed. Door springs may have lost tension Safety Obstruction Force may need adjustment	Disengage Opener and check door for free movement Call serviceman to affect repairs Refer Section 8~10 of Installation manual.
Auto close not working	P.E. Beam faulty or wiring broken P.E. Beam obstructed Auto close time not set	Repair P.E. or broken wire Remove obstruction from the path of beam. Refer to installation inst. - Items 13 & 14.

TECHNICAL SPECIFICATIONS

CONFIGURATION:	Separate Control Box & Drive Unit
INPUT VOLTAGE:	230V or 115V 50~60 H (Selectable)
SECONDARY VOLTAGE:	24V AC 120 VA
CONTROLLER VOLTAGE:	24V DC
OPENER LIFTING FORCE:	300N
OPENER OPENING/CLOSING LIMITS TRAVEL:	4.5 Turns of Door Drum Wheel
RECEIVER TYPE:	UHF 433.92 MHz Hopping Code
RECEIVER CODE STORAGE CAPACITY:	6 Transmitter Codes
TRANSMITTER FREQUENCY:	433 MHz
No. of CODE COMBINATIONS:	Over 4.2 Billion
TRANSMITTER BATTERY VOLTAGE:	12 Volt
MOTOR TYPE:	24 Volt DC Permanent Magnet
GLOBE:	15W 24 V DC Edison screw Type
SAFETY REVERSING SYSTEM:	Pot Adjustable Current Sensing

CONTROL BOX MOUNTING TEMPLATE

