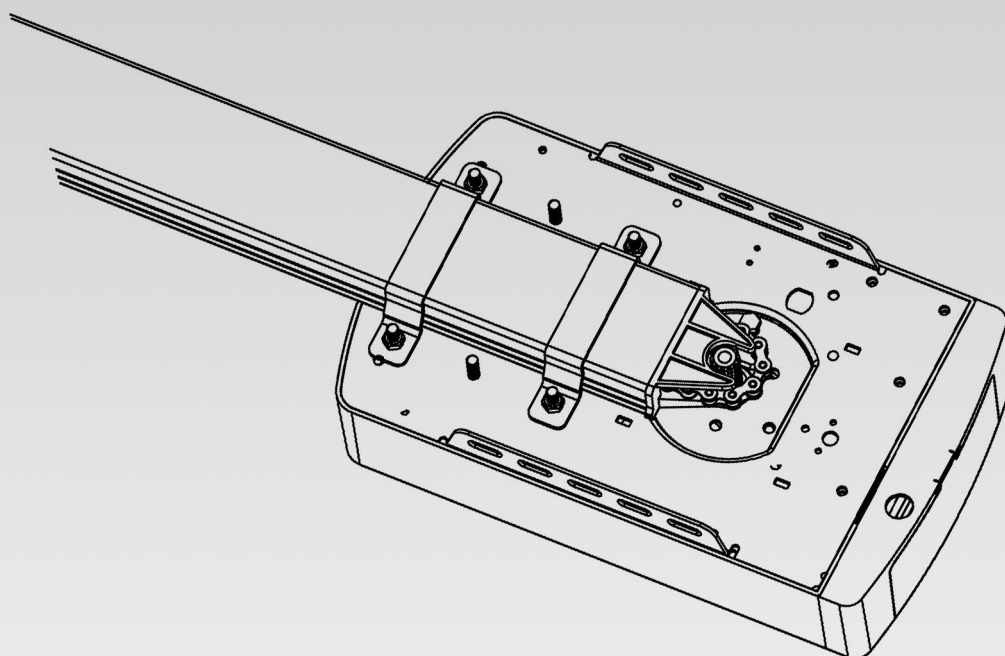# SUPER*LIFT*

SDO-5 DC

Sectional and Tilt Door Opener

"Your Automatic Choice"

1000N

1200N

S/N	

Installation Instructions and User Guide

CONTENTS

IMPORTANT SAFETY RECOMMENDATIONS

**FAILURE TO COMPLY WITH THE FOLLOWING SAFETY RECOMMENDATIONS MAY RESULT IN SERIOUS PERSONAL INJURY, DEATH AND/OR PROPERTY DAMAGE.
READ AND FOLLOW ALL SAFETY AND INSTALLATION INSTRUCTIONS CAREFULLY.**

1. **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.**

2. 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 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.

3. 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.

4. Remove or render inoperative all existing locks and ropes prior to installation of the AGDO.

5. The counter balance springs on sectional type doors **must** be properly lubricated between all 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.

6. 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.

7. Do not connect the AGDO to the power source until this manual instructs you to do so.

8. The AGDO must be connected to a **properly earthed** general purpose 240V outlet which has been installed by a qualified electrical contractor.

9. Locate the wall control panel/push button:
   a. within site of the Garage Door
   b. at a minimum height of 1.5 m above the ground so that it remains out of the reach of small children
   c. away from all moving parts of the door.

10. Install the Entrapment Warning Label in a prominent position next to the wall control button.

11. The Manual Release Instruction Tag must remain attached to the Manual Release Chord.

12. 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.

13. The correct function of the Safety Obstruction Reversing System should be checked monthly. Make sure that the Garage Door reverses when it makes contact with an obstruction.

14. Never use the AGDO unless the Garage Door is in full view and free from objects such as cars, children and/or adults.

15. Never allow children to operate the AGDO.

16. Never operate the AGDO when children/persons are under or near the path of the door. Children **must** always be supervised when near the Garage Door and when the AGDO is in use.

17. 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.

18. Never attempt to open or close the Garage Door by pulling on the Manual Release Chord.

19. Never attempt to make any repairs or remove covers from the AGDO without first disconnecting the power supply chord from main power supply.

20. 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.

21. 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.

22. Always ensure that the Garage Door is fully open before driving into or out of the Garage.

23. Always ensure the Garage Door is fully closed before leaving the driveway.

24. 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.

25. Always Keep hands and loose clothing clear of the Garage Door and Product.

26. 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.**

27. **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 to item 27 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 5 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 miss aligned Garage Door. (refer to item 2 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.**

TECHNICAL SPECIFACTIONS

|	FS 1000	FS 1200
Input Voltage	220 - 240V / 110 - 127V, 50–60 Hz	
Maximum Lift Force	1000 N	1200 N
Maximum Door Area	15.0 ㎡	18.0 ㎡
Maximum Door Weight	100 kg	130kg
Maximum Door Height	3500mm	3500mm
Drive Rail	Belt	Belt
Opening / Closing Speed	128 - 160mm / Second	128 - 160mm / Second
L.E.D	24V / 15 LED bulbs	
Limit Setting	Electronic	Electronic
Transformer	Overload protection technology	
Transmitter Frequency	433.92 MHz	433.92 MHz
Coding Format	Rolling code (7.38 x 10^{19} Combinations)	
Code Storage Capacity	50	
Working Temperature	-40℃ - +50℃	-40℃ - +50℃
Safety Protection	Auto Reverse, PE Beams Option, Flashing Light Option	
Protection Level	IP20	IP20

FS 1000   **FS 1200**
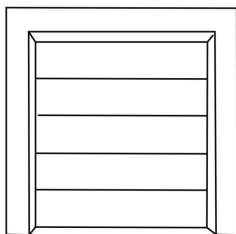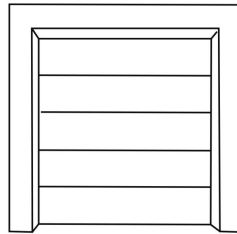
Rated door area：≤ 15.0㎡   Rated door area：≤ 18.0㎡
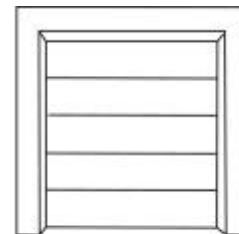
Standard door height: 2400mm
Maximum door height: 3500mm

1. Assembling Drive Rail to Power Head

1.1 On a clean, smooth surface, unpack the Drive Rail, Power Head and two "U" type brackets with Nyloc Nuts as shown in (Fig.1)

1.2 Align and insert the rail onto drive shaft.

1.3 Attach the two "U" type brackets over the rail and secure to the motor head with the M6 Nyloc Nuts provided. (Fig.1)
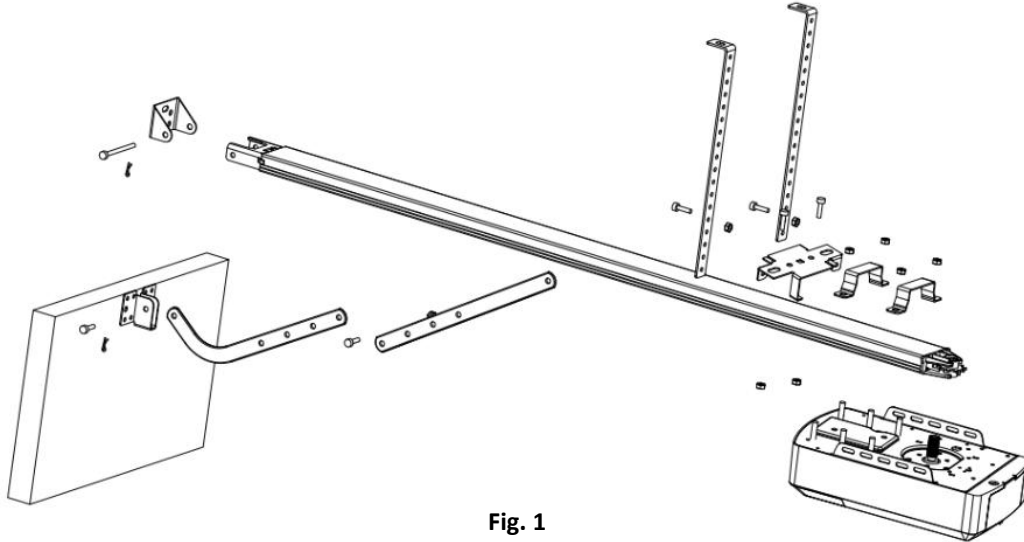

Fig. 1

2. Drive Rail Hanger Options

2.1 **Option One:** Cut down perforated strapping for the correct height to ceiling. Attach perforated strapping using M8 nut and bolt provided at motor head end. Strapping may be moved along opener chassis to find best fixing point for ceiling studs.

2.2 **Option Two:** Twist on bracket provided may also be used as in option one. This bracket may also be used in any position on the drive rail. More than one may be used in various positions on longer rails for added stability.

3. Drive Belt Tensioning

3.1 Tighten tensioner adjusting nut, pictured (Fig.2) until the Drive Belt has approximately 3 ~ 5 mm of sag at the mid-point of the drive rail.

3.2 Ensure the drive belt has not been over tightened as this will cause premature wear of the drive shaft and front adjusting pulley wheel.
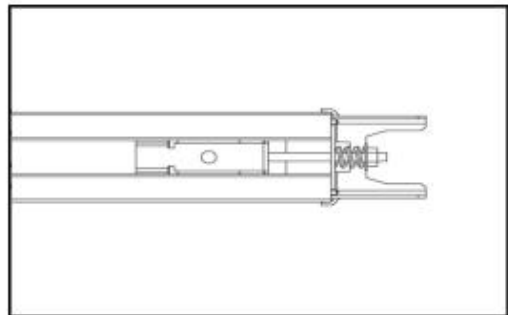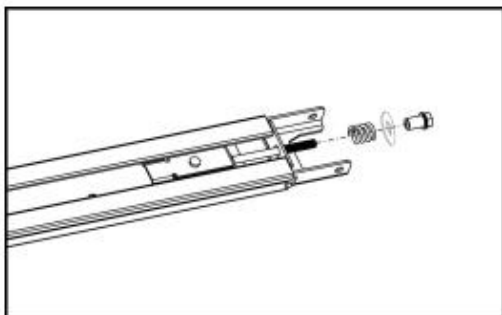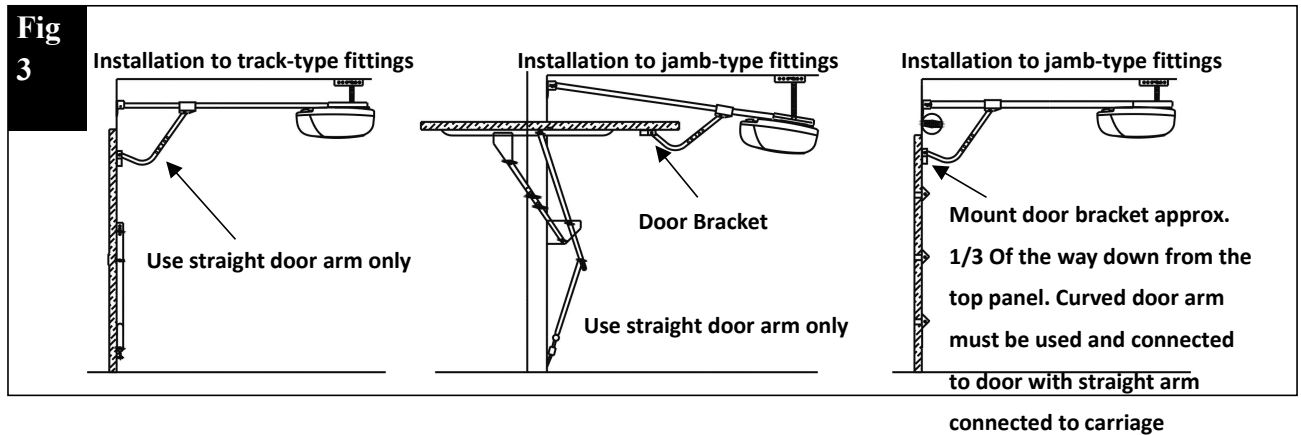

Fig. 2

4   Identifying Garage Door Type

4.1 From the diagrams depicted in Fig.3 select the type of installation that is suited to your Garage Door type.

Fig 3

Installation to track-type fittings

Use straight door arm only

Installation to jamb-type fittings

Door Bracket

Use straight door arm only

Installation to jamb-type fittings

Mount door bracket approx. 1/3 Of the way down from the top panel. Curved door arm must be used and connected to door with straight arm connected to carriage

5.   Mounting Header and Door Bracket

5.1 Find the highest point in travel of the Garage Door and mark this as a horizontal line on the Header above the top edge of the Garage Door.

5.2 Find the Garage Door Center Line and with a pencil, mark a vertical line on the Header above the top edge of the Garage Door.

5.3 Centralize the bottom edge of the Header Bracket at no more than 50mm above the marked out vertical and horizontal lines and mark the location of at least 2 screw holes.

5.4 Drill the 2 screw holes and use 2 screws to secure the Header Bracket to the Header.

5.5 **Important Note: The Header Bracket carries ALL the opening and closing thrust and as such must be securely fastened to a rigid, structural member of the garage.**

5.6 Find the Garage Door Center Line and affix the Garage Door Bracket on to a structural member of the Garage Door. Mark the location of at least 2 screw holes as far apart from each other as possible.

5.7 Drill the 2 screw holes with appropriate drill and securely mount the Garage Door Bracket to the Garage Door using 2 screws.

5.8 **Important Note: It is recommended to use screws with nuts rather than self drilling screws.**

5.9 **Important Note: For Sectional Doors, the pivot point of the Garage Door Bracket should be mounted approx. one third down from the top edge of the top panel. For Tilt doors the pivot point should be as close to the top edge of the Garage Door as possible.**
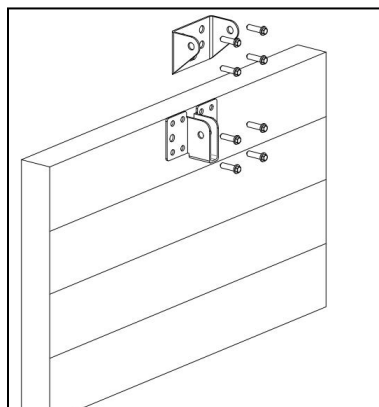

Fig. 4

6. Attaching Drive Rail to Header Bracket

6.1 Lay the assembled AGDO on the floor in line with the centerline of the Garage Door so that the Power Head is furthest from the Garage Door.

6.2 Lift the Drive Rail up to the Header Bracket so that the Terminal Bracket sits in between the ears of the Header Bracket (Fig.5)

6.3 Align the mounting holes and fully insert the Long Clevis Pin provided

6.4 Secure the Clevis Pin with the Spring Clip provided.

Fig 5

50mm   or Less
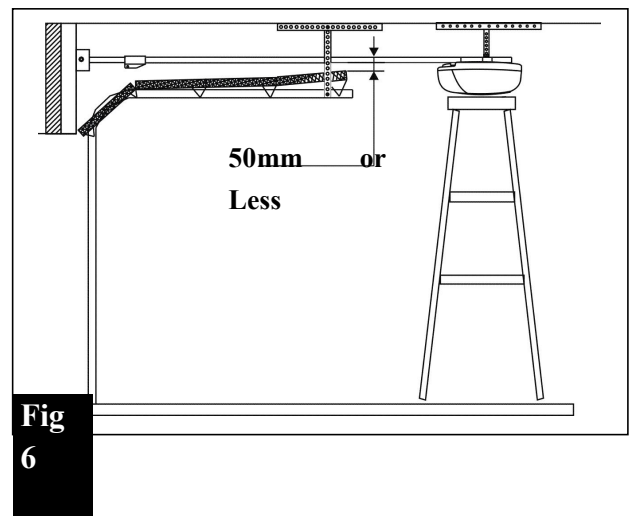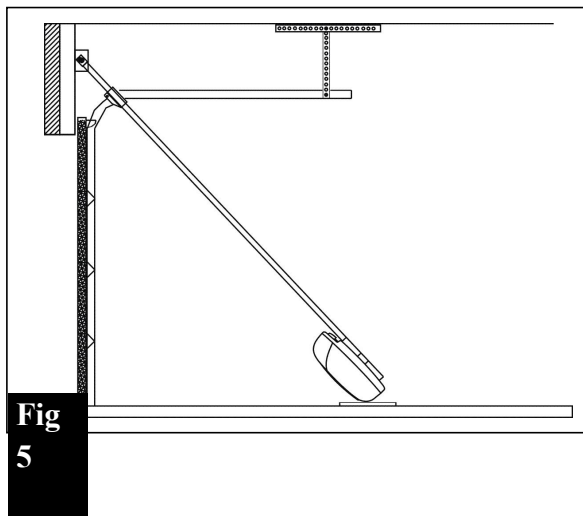
Fig 6

7. Attaching Power Head to Ceiling

7.1 Raise the Power Head off the floor and rest it on a support high enough that the Drive Rail runs parallel to the ground. (Fig.6 depicts typical Sectional type Garage Door installation)

7.2 Carefully open the Garage Door and ensure that no part of it comes into contact with the Drive Rail or the Power Head during the entire movement of the Garage Door.

7.3 Align the Drive Rail with the centerline of the Garage Door and securely fasten the Power Head to a structural member of the ceiling or roof using appropriate hanging material. (Fig.6)

7.4 The hanging material should be attached to the opener chassis, or the twist on bracket or both if both are used.

7.5 Once mounted the Power Head and Drive Rail should be sitting parallel to the floor along both planes. (for Sectional and Track-Type Tilt Doors only! For jamb-type Tilt Door refer to Fig.3)

7.6 **Important Note: With the Garage Door in the fully open position, the underside of the Drive Rail should be no more than 50 mm above the highest arcing point of the Garage Door for its entire length. (Fig.6)**

8. Mounting Connecting Arms to Carriage and Door

8.1 Close the Garage Door with the Carriage disengaged.

8.2 Attach the Bent Connecting Arm to the Door Mounting Bracket using the Clevis Pin provided. (Fig.7)

8.3 Bring the Straight and Bent Connecting Arms together and align the 2 closest sets of holes.

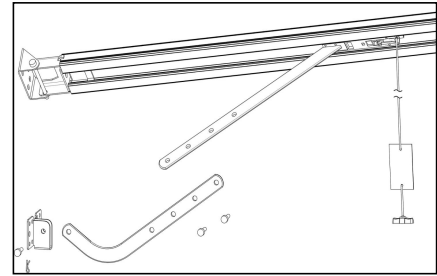8.4 Using 2 of the 8 mm bolts and nuts provided, securely fix the Bent and Straight Connecting Arms together.

Fig. 7

9. Disengaging the Garage Door

9.1 To disengage the AGDO from the Garage Door, pull down on the disengage chord. (Fig.8)

9.2 The rail has punched holes to lock the door while in manual mode.

9.3 **Important Note: Never attempt to open or close the Garage Door by pulling on the Disengage Chord. Doing so may result in SERIOUS PERSONAL INJURY and/or PROPERTY DAMAGE.**

9.4 **Important Note: Always disengage the AGDO with the Garage Door in the fully closed position.**

9.5 **Important Note: If attempting to disengage the AGDO 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 door.**

10. Engaging the Garage Door

10.1 Pull down the disengage chord and open the Garage Door by hand so that it is approx. one meter off the ground.

10.2 Push back the release lever and press the hand transmitter.

10.3 After a short time, the AGDO will self-engage into the Carriage.

10.4 **Important Note: If the AGDO runs for some time (first cycle) and then stops without engaging into the Carriage press the hand transmitter again and it will self-engage on the second cycle.**
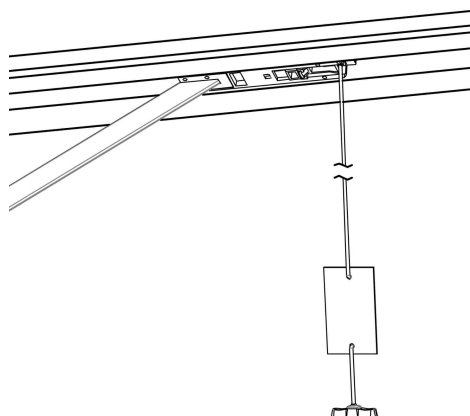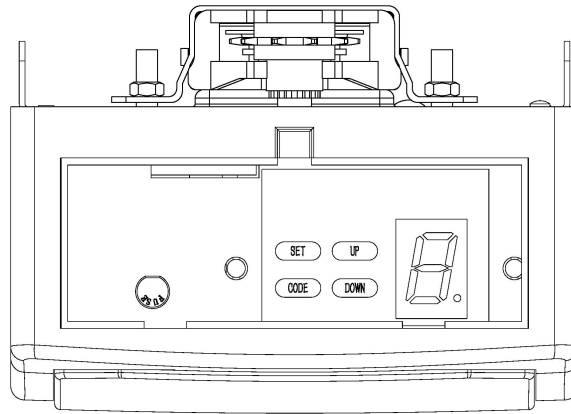
Fig. 8

SETTINGS & ADJUSTMENTS

Fig. 9

Programming the Operator

11. Preparation

11.1   Make sure the carriage is locked into automatic mode. Lift and lower the door by hand to confirm the carriage is locked onto the belt connector.

11.2   Connect the AGDO to a properly earthed power supply using the power chord provided. Make sure that no excess chord hangs below the AGDO when it is plugged in**.**

11.3   Switch the power on at the power supply. The courtesy light will glow for several seconds. At the same time the LED display will flash various sequences until it stops at two vertical lines "**11**". When the screen shows "**11**" the opener is in standby. (fig.10)

11.4   **Note: When in standby, a short press of the "Set" button will clear all error and alarms, and then return to standby.**

11.5   **When in settings a short press of the "Code" button will return to standby.**

11.6   **A long press of the "Set" button will put the AGDO in "Program" mode.**

11.7   **A long press of the "Down" button will restore factory settings.**

12. Coding and Deleting Transmitters   **Fig. 10**

12.1   This AGDO will store 5 to 50 transmitter codes. When the AGDO is full, the LED display will flash "F".

12.2   To code a new transmitter, momentarily press the "Code" button. A red dot "." will be displayed on the LED screen. Momentarily press the button you wish to code on the transmitter. Momentarily press the same button on the transmitter a second time. The dot will flash on the LED display then change to standby. This indicates the transmitter code is now stored.

12.3   To code additional transmitters repeat step 12.2.

12.4   To delete codes from the AGDO press and hold the "Code" button for approx. 6 seconds. "C" will display on the LED screen indicating all transmitter codes have been deleted.

SETTINGS & ADJUSTMENTS

13. Setting Door Travel

13.1   Press and hold the "Set" button until "1" is displayed on the LED screen. (Fig.11)

13.2   Momentarily press the "Set" button. "n" will be displayed on the LED screen. (Fig.12) Press and hold the "Up" button. The door will begin to travel in the open direction. The "Opening Indicator" light will begin to flash. Release the button when door reaches desired open position. Fine tuning the door height is possible using the "Up" or "Down" buttons.

Fig. 11

13.3   Momentarily press the "Set" button. "u" will be displayed on the LED screen. (Fig.13) Press and hold the "Down" button. The door will begin to travel in the close direction. The "Closing Indicator" light will begin to flash. Release the button when the door reaches the desired close position. Fine tuning the close position is possible using the "Up" or "Down" buttons.

Fig. 12

13.4   Momentarily press the "Set" button again to confirm the close limit.

13.5   The door will now open and close automatically for one cycle to map the open and close sensitivity force requirements.

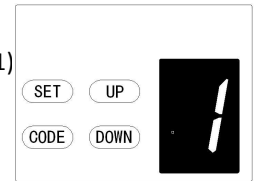13.6   "11" will be displayed to show door travel settings are complete. (Fig.11)

Fig. 13
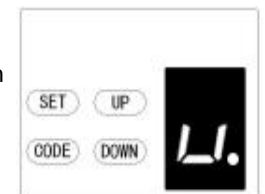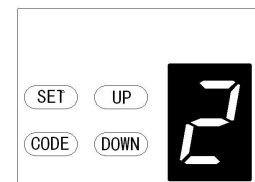
14. Adjusting Safety Force Sensitivity

14.1   Press and hold the "Set" button until "1" is displayed on the LED screen (Fig.11)

14.2   Momentarily press the "UP" button until "2" is displayed on the LED screen (Fig.14)

14.3   Momentarily press the "Set" button until the factory setting of "3" is displayed on the LED screen.

14.4   Press "UP" to increase force and "Down" to decrease force.

14.5   Force range is 1 to 5.

14.6   Momentarily press "Set" to confirm your force setting.   **Fig.14**

15. Setting Travel Speed

15.1   Press and hold the "Set" button until "1" is displayed on the LED screen (Fig.11)

15.2   Momentarily press the "Up" button until "3" is displayed on the LED screen (Fig.15)

15.3   Momentarily press the "Set" button. "A" will be displayed on the LED screen. (Fig.16)

   Note: "A" is full speed. 160mm per second.

15.4   To reduce speed to 80% of full speed **(128mm per Second)** momentarily press the "Down" button. "8" will display on the LED screen.

15.5   Momentarily press the "Set" button to confirm the change of speed.

15.6   **Important Note: If a speed change is performed, you must reset door travel.**

Fig.15

Fig.16

16. Auto Close Mode

16.1 In Auto Close Mode the AGDO will automatically close at a preset time after it reaches the fully open position.

16.2 To enable the Auto Close function press and hold down the "Set" button until "1" is displayed on the LED screen. (Fig.11)

16.3 Momentarily press the "Up" button until "4" is displayed on the LED screen. (Fig.4)

16.4 Momentarily press the "Set" button which will show the current Auto Close setting.

Fig.17

16.5 Settings are "0" (Off) up to "9". Each number above zero is a 15 second increment. e.g. "2" Auto close after 30 seconds.

16.6 Momentarily press the "Set" button to confirm your setting.

16.7 **Important Note: Auto Close Mode will only work if Safety Beams have been enabled and correctly aligned**.
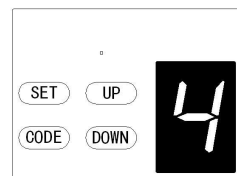
17. Auto Close Door Position Setting

17.1 With Auto Close Door Position Mode the AGDO has the option of closing from any open position or from the fully open position only. This gives you the option of overriding Auto Close if the door is not in the fully open position.

17.2 To enable the Auto Close Door Position function press and hold down the "Set" button until "1" is displayed on the LED screen. (Fig.11)

17.3 Momentarily press the "Up" button until "5" is displayed on the LED screen. (Fig.18)

17.4 Momentarily press the "Set" button which will show the current Auto Close Door Position setting.

17.5 Setting "1" means the door will only Auto Close from the fully open position.

17.6 Setting "2" means the door will Auto Close from any open position.

17.7 Momentarily press the "Set" button to confirm your selection.

17.8 **Note: Setting "1" is the factory setting.**
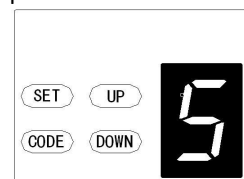
Fig.18

18. LED Time Setting

18.1 The LED Time Setting allows you to change the length of time the AGDO LED courtesy light will stay on before automatically switching off.

18.2 To change the LED Time Setting press and hold down the "Set" button until "1" is displayed on the LED screen. (Fig.11)

18.3 Momentarily press the "Up" button 5 until "6" is displayed on the LED screen. (Fig.19)

18.4 Momentarily press the "Set" button which will show the current LED delay time.

18.5 **Note: Factory set at 3 minutes. "3".**

18.6 Settings are "1" (Off) up to "9". Each number is a minute increment. e.g. "2" LED will turn off after 2 minutes.

18.7 Momentarily press the "Set" button to confirm your selection.

Fig.19

19. Auto Reverse Height Setting

19.1 Auto Reverse Height Setting allows the AGDO to Auto Reverse to a preset height.

19.2 To change the Auto Reverse Height Setting press and hold down the "Set" button until "1" is displayed on the LED screen. (Fig.11)

19.3 Momentarily press the "Up" button until "7" is displayed on the LED screen. (Fig.20)

19.4 Momentarily press the "Set" button which will show the current Auto Reverse Height Setting.

19.5 Settings are "0" up to "9". Each number above zero is a one tenth increment of the full height of the door. e.g. a 2 meter door set to "2" will Auto Reverse 400mm only.

19.6 Momentarily press the "Set" button to confirm your selection.

19.7 **Note: Factory setting is "0" which is full height Auto Reverse.**


Fig.20

20. Setting Partial Opening Height

Fig.21

20.1 Partial Opening Height sets 2 buttons on the remote to open the AGDO to either full height or an adjustable height.

20.2 To enable Partial Height function press and hold down the "Set" button until "1" is displayed on the LED screen. (Fig.11)

20.3 Momentarily press the "Up" button until "8" is displayed on the LED screen. (Fig.21)

20.4 Momentarily press the "Set" button which will show the current Partial Opening Height.

20.5 Settings are "0" (Full Open Height) up to "9". Each number above zero is one tenth of full height increment. e.g. a 2 meter door set to "2" Button 2 will open the door to 400mm off the ground.
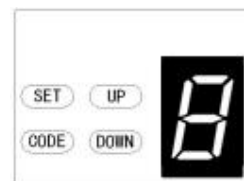
21. Code All Buttons to One Door Setting

21.1 In this mode the AGDO will automatically respond to all four buttons on the remote.

21.2 To enable this function press and hold down the "Set" button until "P" is displayed on the LED screen. (Fig.11)

21.3 Momentarily press the "Up" button until "9" is displayed on the LED screen. (Fig.22)

21.4 Momentarily press the "Set" button which will show the current setting.

21.5 Settings are "0", only one button on the remote will activate the door. Or "1", all four buttons on the remote will activate the door.

21.6 **Note: If function "8" (Partial Opening Height) is on, this function cannot be used. Function "8" will take priority.**

Fig.22

22. <u>Transmitter Quantity Setting</u>

22.1 In Transmitter Quantity Mode the AGDO can be programmed to accept from 5 to 50 transmitters.

22.2 To enable the Transmitter Quantity Setting press and hold down the "Set" button until "1" is displayed on the LED screen. (Fig.11)

22.3 Momentarily press the "Up" button until "A" is displayed on the LED screen. (Fig.23)

22.4 Momentarily press the "Set" button which will show the current Transmitter Quantity setting.

22.5 Settings are "A" equals 50 transmitters. "1" up to "9" will go up in increments of 5 transmitters. e.g. "2" will allow the AGDO to code in 10 remotes.

Fig.23

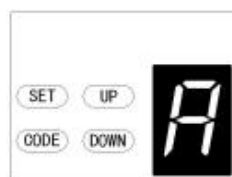### 23. <u>Auto Reverse Ignore Setting (For European Customers)</u>

23.1 In Auto Reverse Ignore Mode the AGDO will ignore the Auto Reverse function for a maximum height of 90mm. If an object is less than the set ignore height, the door will not Auto Reverse when it is obstructed.

23.2 **Note: e.g. Usually used in areas where there may be a buildup of snow.**

23.3 To enable the Auto Reverse Ignore function press and hold down the "Set" button until "1" is displayed on the LED screen. (Fig.11)

23.4 Momentarily press the "Up" button until "b" is displayed on the LED screen. (Fig.24)

23.5 Momentarily press the "Set" button which will show the current Auto Reverse Ignore setting.

23.6 Settings are "0" (Off) up to "9". Each number above zero is a 10mm increment. e.g. "2" the AGDO will ignore an object up to 20mm high.
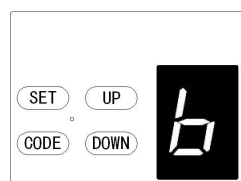
Fig.24

24. <u>Pedestrian Door Switch Setting (For European Customers)</u>

24.1 **Note: The Pedestrian Door Switch is used on garage doors that have a Pedestrian Door fitted.**

24.2 The Pedestrian Door Switch Setting allows the AGDO to change from a Normally Open (NO) terminal to a Normally Closed (NC) terminal connection when wiring in a pedestrian door sensor.

24.3 To change from Normally Open to Normally Closed press and hold down the "Set" button until "1" is displayed on the LED screen. (Fig.11).

24.4 Momentarily press the "Up" button until "C" is displayed on the LED screen. (Fig.25)

24.5 Momentarily press the "Set" button which will show the current Auto Close setting.

24.6 Settings are "0" Normally Open terminal or "1" Normally Closed.

Fig.25

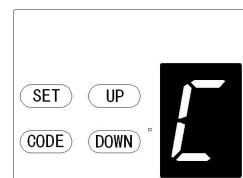24.7 **Note: See "Output Terminals" for wiring connections for this function. (Fig.????)**

25. Installation and Enabling of Safety Beams (Optional)

Installation

25.1   Locate the Safety Beam Mounting Brackets provided.

25.2   Mark the inside door framing so that the bottom edge of the Mounting Brackets sits 125mm off the floor.

25.3   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 later.

25.4   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.

25.5   Using 3 Core Cable, strip back and connect 2 strands to the Emitter and 3 strands to the Receiver. (Fig.26)

25.6   Securely fix the cable up and along the wall and run one length of each cable adjacent to the Rear Cover.

25.7   Strip back and connect one strand of each cable to the terminals marked "24V", "PE" & "GND". (Fig.26)

25.8   **Note: Superlift Safety Beam kits will have full instructions on mounting and connecting.**
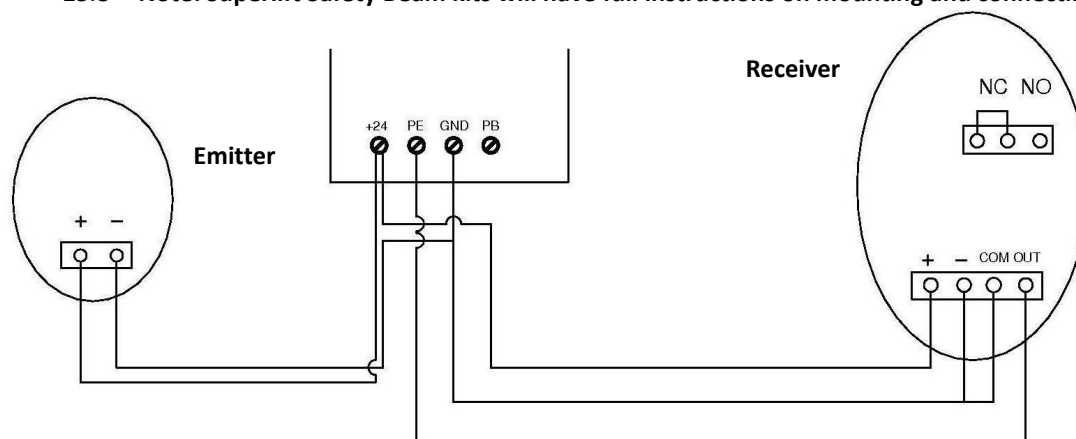

Fig.26

Connection of photo beam/switch control

Enabling

25.9   To enable safety beam function press and hold "Set" button until "1" is displayed on the LED screen. (Fig.11).

25.10 Press "Up" button until "d" is displayed on the LED screen.

25.11 Momentarily press the "Set" button. If "0" is displayed photo beams are not enabled. Momentarily pressing the "Up" button wil change the LED to display "1". Photo Beams are enabled.

Fig.27

25.12 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.

25.13 If the Garage Door does not commence to close at all, check that the Safety Beams are aligned correctly.

25.14 **Important Note: The AGDO will only support the fitment of Superlift Brand 4 wire Safety Beams.**

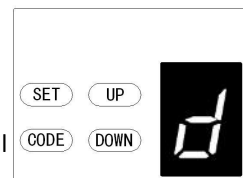25.15 **Note: If safety beams are not fitted, ensure that "0" is displayed and safety beam function is disabled.**

26. Maintenance Alarm Setting

26.1   In Maintenance Alarm Mode the AGDO LED Courtesy Light will automatically start flashing once a preset number of open/close cycles is reached.

26.2   To enable the Maintenance Alarm function press and hold down the "Set" button until "1" is displayed on the LED screen. (Fig.11)

26.3   Momentarily press the "Up" button until "E" is displayed on the LED Screen. (Fig.28)

26.4   Momentarily press the "Set" button which will show the current Maintenance Alarm setting.

26.5   Settings are "0" (Off) up to "5". Each number above zero is a 1000 cycle increment. e.g. "2" Maintenance Alarm will start LED Courtesy Light flashing after 2000 cycles.

27. Run Button Function

Fig.28
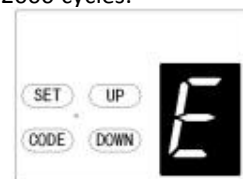
27.1   The AGDO has a Run Button function.

27.2   To open press the "UP" button. "n" will be displayed on the panel as the door travels to the open position.

27.3   To close press the "DOWN" button. "u" will be displayed on the panel as the door travels to the closed position.

28. Transmitter Battery Replacement

28.1   Remove the fixing screws located on the underside of the Hand-Held Transmitter.

28.2   Open the 2 halves of the Transmitter shell and replace the battery with one of identical specification.

28.3   Test that the Red Coloured Indicator lamp illuminates when one of the Transmitter buttons is pressed and then replace the fixing screws.

29. Wall Switch - Wireless

29.1   The wireless wall switch provides ease of installation without the need for running hard wires to the switch and can be mounted in any convenient location.

29.2   The switch can be permanently screwed to the wall through the mounting holes provided.

29.3   Use the mounting screws provided to fix the Wall Switch to the wall.

29.4   The wireless wall switch may be learned into the AGDO as per the procedure outline in Sec.12.2, "To code a transmitter"

29.5   **Important Note: The wireless Wall Switch must be mounted within sight of the garage door and a reasonable distance away from moving parts. It should be mounted at least 1500mm above the ground**.

30. Wall Switch-Wireless Battery Replacement

30.1   Remove the cover plate while the unit is still mounted to the wall by sliding and twisting a straight screwdriver in the slot provided on the top and underside of the wall plate.

30.2   Use a small Phillips Head Screwdriver remove the 4 screws holding the switches in place.

30.3   Replace the battery with one of identical specification.

30.4   Test that the Red Coloured Indicator lamp illuminates when one of the Transmitter buttons is pressed and then replace the fixing screws and cover plate.

31. Output Terminals

31.1   There are 5 main functions supported by the output terminals of the AGDO. (Fig.29)

31.2   Pedestrian Door Switch. This ensures the garage door will not open if the pedestrian door is not in a locked position.

31.3   PE Beam function works when Photo Electric Safety Beams are fitted.

31.4   The O/S/C, Open/Stop/Close terminals are used with normally opened switch and function like run button. May also be used with universal receivers

31.5   +24V terminal when used with the GND terminal will power after market accessories. e.g. universal receivers.

Garage Door Opener

Flash Light

Fig.29

SD   GND   Flash   +24V   PE   GND   PB

+   -

O/S/C

NO   Flash

Pass-door
safety device

Photo beam
for pulse

Terminal connection
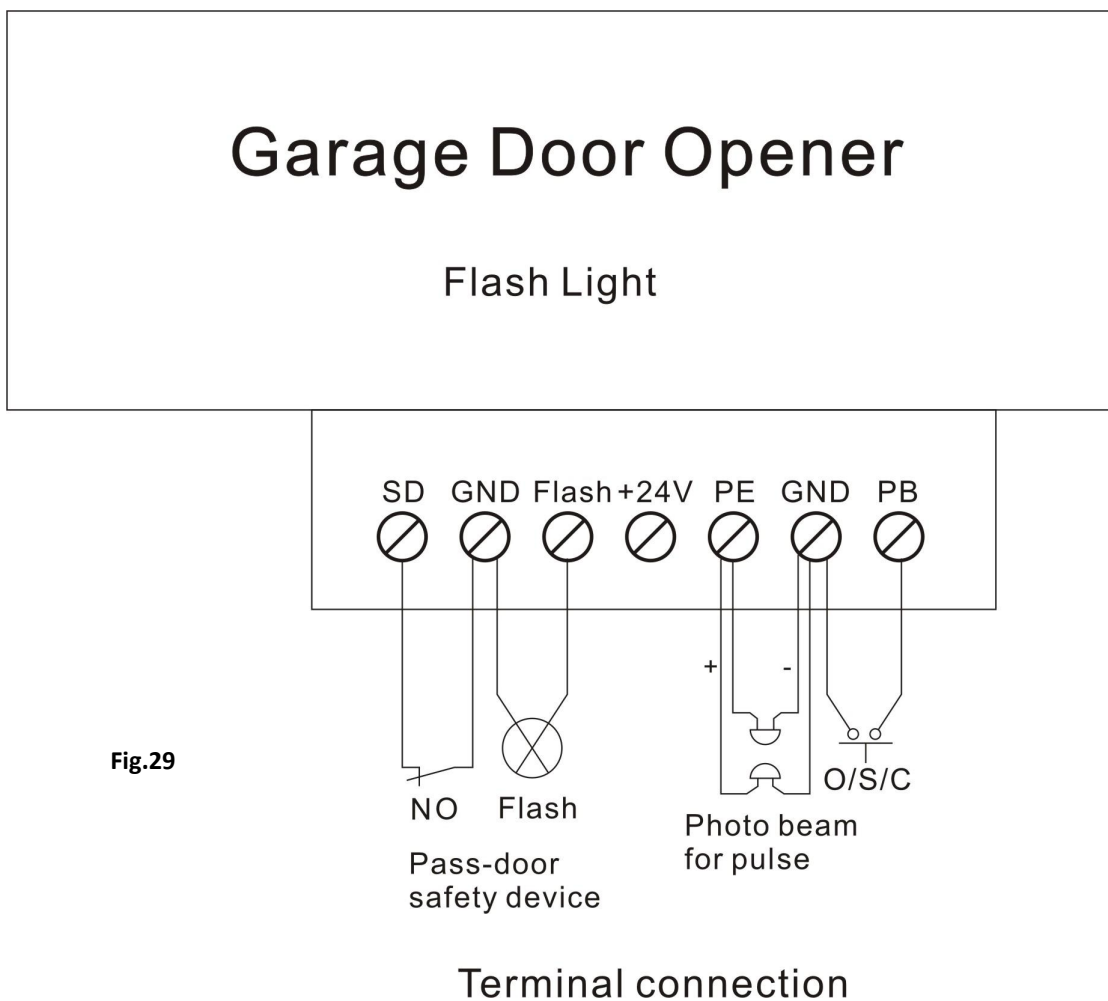
Safety Photo Electric Beams	Wall Switch-Wireless, 2 Button
Universal Receiver	Wall Switch-Wireless, 4 Button
Wireless keypad Entry	Battery Backup
4 Button Remote Hand Transmitter (SDO-3)	Phone App Receiver
4 Button Remote Hand Transmitter TX-4	

SPARE PARTS
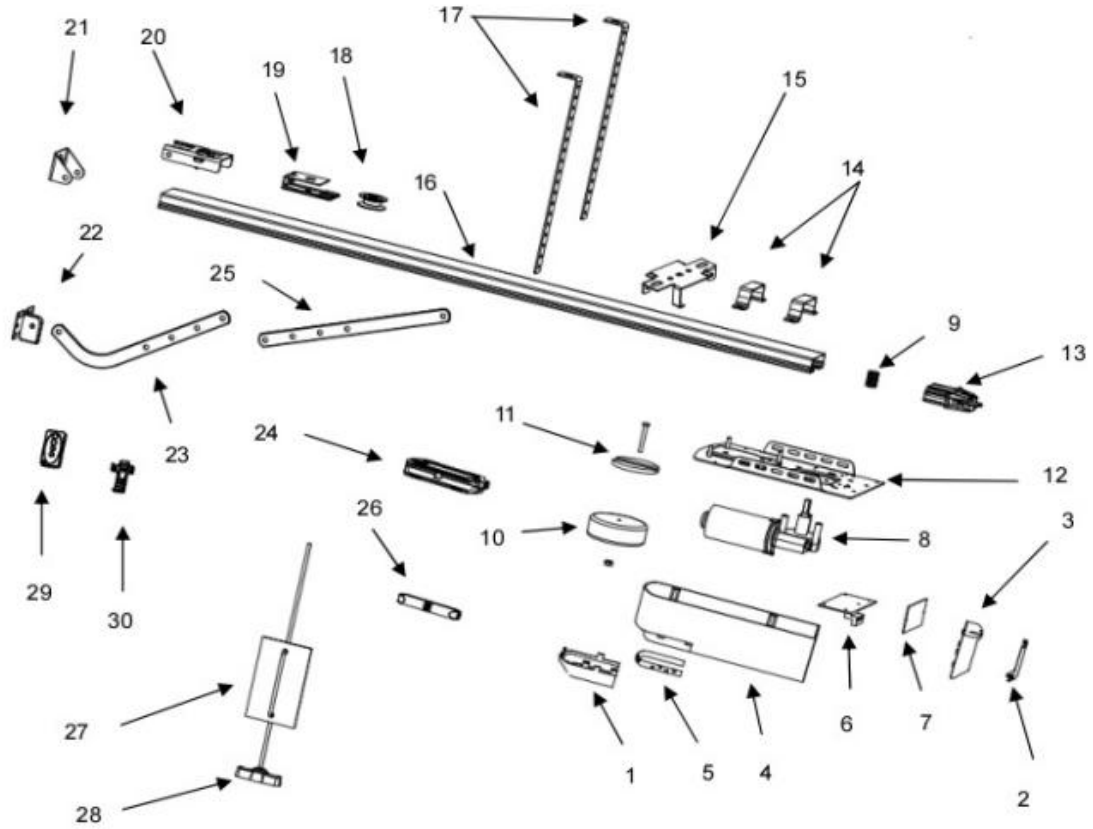
Item	Qty	Description
1	1	L.E.D Cover
2	1	Control Panel Cover-1
3	1	Control Panel Cover-2
4	1	Main Cover
5	1	L.E.D Light
6	1	Min Logic Board
7	1	Control Logic Board
8	1	DC Motor
9	1	Motor Shaft Adaptor
10	1	Transformer
11	1	Transformer Plate
12	1	Chassis

Item	Qty	Description
13	1	Sprocket Assembly
14	2	U Hanging Bracket
15	1	Twist on Bracket
16	1	C rail – Steel
17	2	Mounting Bracket
18	1	Belt Adjuster Wheel
19	1	Belt Adjuster Bracket
20	1	Ending Bracket
21	1	Wall Bracket
22	1	Door Bracket
23	1	Bent Arm
24	1	Carriage Assembly

Item	Qty	Description
25	1	Straight Arm
26	1	Belt Connection
27	1	Caution Card
28	1	Release Handle
29	2	Transmitter
30	1	Transmitter Bracket

TROUBLE SHOOTING GUIDE

Symptom	Possible Cause	Remedy
Opener not working LED lights are dim	Mains power not turned on Garage door obstructed	Turn on mains power Check for obstruction
Door stops during open cycle before reaching the fully open position	Garage door may be obstructed Garage door springs may have lost tension Safety force sensitivity may need adjustment	Disengage opener and check door is running freely Call Serviceman for repair or service Refer item 14
LED courtesy light stays on LED courtesy light won't come on	Logic board may be faulty LED light strip may need replacing	Call a serviceman to check and repair Call a serviceman to check and repair
Door will not reverse on hitting an object	Safety force sensitivity may be set too high and will require adjustment	Refer item 14
Door moves down then auto reverses back to open position	Safety force sensitivity maybe set too low and will require adjustment	Refer item 14
The door operates from push button function on opener but not from hand transmitters	Transmitter is damaged or broken Transmitter code is not programmed Flat battery	Try an alternative transmitter Code transmitter. Refer item 12 Replace Battery. Refer item 28
Door stops before reaching open or close position	Door travel may need adjustment	Refer item 13
Drive belt rubbing in track	Belt has lost tension and requires adjustment	Refer item 3
Transmitter range is low	Flat battery Antennae wire broken	Replace battery. Refer item 28 Check for visible sign that antenna is still in tact
The remote control cannot be used or the operation distance is short	1. Flat battery 2. Antenna is loosed or not well extended 3. Interference around nearby	1. Replace new battery 2. Extended the antenna on the opener 3. Get rid of interference
Digital displays ⨍ error code	Transmitter storage full	Delete all codes Reset transmitter quantity setting. Refer item 22
The opener is operating but the door is not moving	Motor shaft may be worn Opener is manual mode	Call a serviceman to check and repair Re-engage opener. Refer item 10
Digital displays ⨆ error code	The opener has detected the door requires scheduled service	Call a service for your regular service

NOTES