Eclipse Compact 55mm Roller Garage Doors

www.rollershuttercompany.com
Tel 0800 6444121

CHECKLIST & COMPONENTS

EQUIPMENT REQUIRED

- 2 x Step ladders or hop ups
- Spirit level
- Tape measure
- Power drill
- 10mm A/F Spanner
- 2 x Pozi-screwdrivers
- 7mm Metal drill bit
- 10mm Metal drill bit
- 7mm Masonry drill bit
- Hacksaw
- Small electrical screwdriver
- 4mm A/F Allen key

COMPONENT CHECKLIST

- Door Curtain.
- Barrel Assembly (Barrel, Tube End, Security Springs, Security Collars).
- Head Plate with Motor Attached.
- Head Plate.
- One Pair of Guide Runners.
- Control System with Two Remote Fobs.
- Fixings Kit (Qty 10: 5 x 50 screws 7mm brown rawl plugs, plastic caps and Qty 1 plastic adjustment wand). Please note: fixings supplied work on the majority of materials but if you know that you require specialised fixing please replace with these.

These fitting instructions are for guidance only, you should always assess your garage construction for installation as each garage & opening has its own specific needs.

Please read these instructions carefully and in full before commencing the installation of the roller garage door.

IMPORTANT SAFETY INSTRUCTIONS

The RD55 Econ must be installed and operated in accordance with the instructions supplied; failure to do so could result in damage to your door and compromise your safety.

WARNING AND GUIDANCE NOTES

1. At least TWO people are required to install this product.
2. Prior to installing please remove all rings, watches and sharp objects to avoid any possibility of damage.
3. Prior to installing please remove any items of loose clothing to avoid any risk of entanglement or injury.
4. Your door comes complete with a 3 pin plug as standard (this is supplied and must be fitted with a 13amp fuse) which should be plugged straight into a 13amp 3 pin switched socket in the vicinity of your door, should you need any extra electrical work. This must be carried out by a suitably qualified person, if you have any doubts please consult an electrician.
5. Your receiver box should be installed in a location that is at a comfortable height to operate the push buttons, but out of the easy reach of children.
6. Please do not allow children to operate the push buttons or remote control fobs, as serious injury can occur from misuse.
7. Warning: you must have a clear line of sight of the whole of your roller garage door when the door is in operation. Failure to do so may result in harm to persons or damage to your roller garage door.

PREPARING SITE FOR INSTALLATION

fig.1.1

fig.1.2

1. Check all the measurements of your new garage door against your order confirmation and double check your opening size to make sure everything is correct **(fig.1.1) & (fig.1.2).**
2. Carefully remove your old garage door and frame if applicable.
3. Sweep down the sides and lintel with a stiff brush and clear all debris.
4. Make sure the opening is free from any raised metal or brick work.

PREPARING GUIDE RUNNERS FOR INSTALLATION

1 Both guide runners will be marked with the letter ‘F’ to indicate the front. This has the flat face when looking in the rear box section of the guide runner **(fig.2.1)**. It will fit against the wall for a behind fixing or face out of the garage for a between fixing.

2 Measure from floor to lintel and refer to **diagram 2**, checking the lintel is level. Cut the guide runners to size as needed using a hack saw, for best results cut the end which will be the bottom **(fig.2.2)**.

3 Offer both cut guide runners up against the walls they will be fixed to and mark the fixing points, either on the flat face for a behind fixing **(fig.2.3)** or for a between fixing in the opening **(fig.2.4)**. For best results these should be as follows;

A Top fixing between 50mm to 100mm down from the top of the guide rail.

B Bottom fixing 50mm to 100mm up from the floor.

C Marking at least one other fixing, spread these evenly between the two already marked points on the guide runners so that you have a secure fixing.

D Drill a 7mm hole all the way through each of the marks on the guide runners and then drill a 10mm hole to countersink through the first layer only so you can get the screw head through.

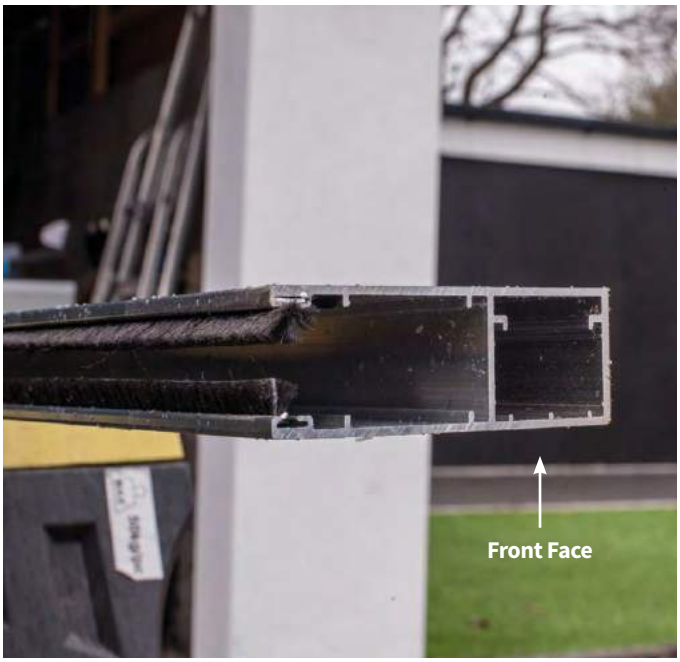


fig.2.1


fig.2.2


fig.2.3


fig.2.4

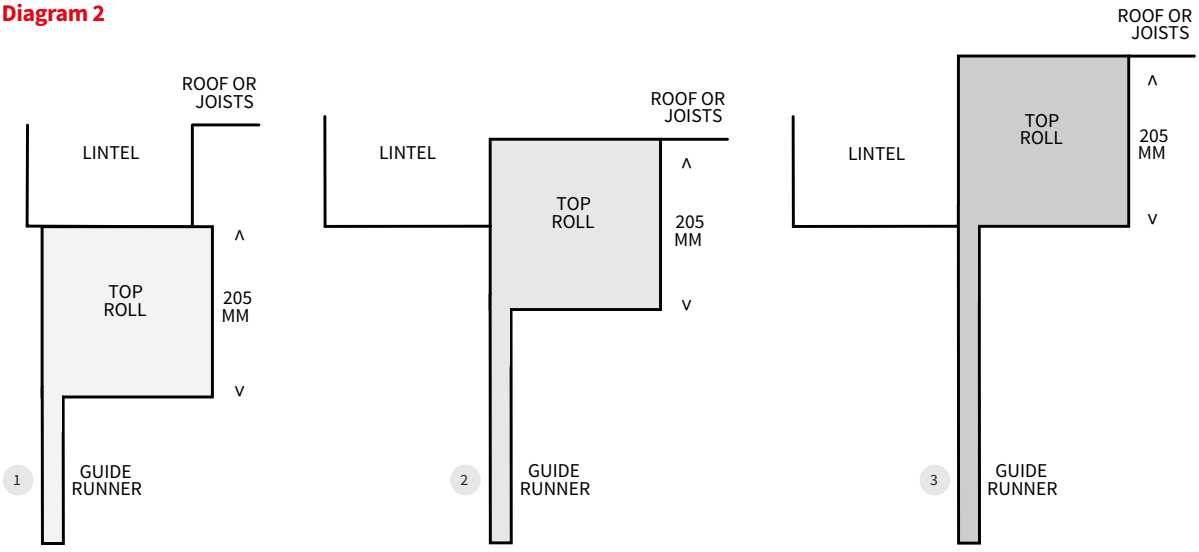
FIXING OPTIONS

Below Lintel Fixing:
Cut guide runners to measured height less 210mm.

Limited Opening Fixing:
Measure from floor to highest point, deduct 210mm and cut guide runners to size.

Behind Lintel Fixing:
Cut guide runners to measured height.

Diagram 2



Below lintel fixing 1

Limited opening fixing 2

Behind lintel fixing' 3

INSTALLING HEADER ASSEMBLY

1. Place your hop ups / step ladders and one guide runner each side of the opening.
2. With one person each end, lift the header assembly by the header plate up and into place, then guide the locating stem at each end into the hollow section of guide runners (this can be made easier by slightly angling the header if there is not enough room to simply drop the locating stem in) **(fig.3.1)**.
3. Lift the whole unit flush into place and check that the top box and guide runners are plumb level and square **(fig.3.2 & fig.3.3)**.
4. Drill a 7mm fixing through the top hole in the guide runners and secure into place **(fig.3.4)**.
5. Check the case and guide runners are still level and square, then proceed to drill a 7mm fixing through the remaining holes, remembering to check the guide runners are square and plumb after each fixing.

fig.3.1

fig.3.2

fig.3.3

fig.3.4

INSTALLING EuroDrive RECEIVER BOX

1 Carefully remove the cover by sliding it upwards from the enclosure, there is a membrane ribbon from the buttons on the box to the internal pcb board, please remove this from the pcb board by pulling carefully upwards.

2 Drill a 5mm hole in the wall roughly the centre of where you would like to fix the receiver box, then using the supplied fixings insert one of the 6mm wall plugs into the hole and screw one of the screws into this leaving approximately 10mm of screw head and thread showing.

3 Slide the rear of the receiver box flat against the wall and over the screw to hold in place and make sure it is level and square while you mark the remaining two fixings located at the bottom of the receiver box.

4 Remove receiver box from wall and drill 5mm holes into these two marks then place the remaining 6mm wall plugs into the holes.

5 Slide the receiver box back over the top screw and using fixing provided secure the bottom two lugs in place.

6 Remove the green 4 terminal motor connector from the board (fig.4.1) and you will see the letters on the board underneath.

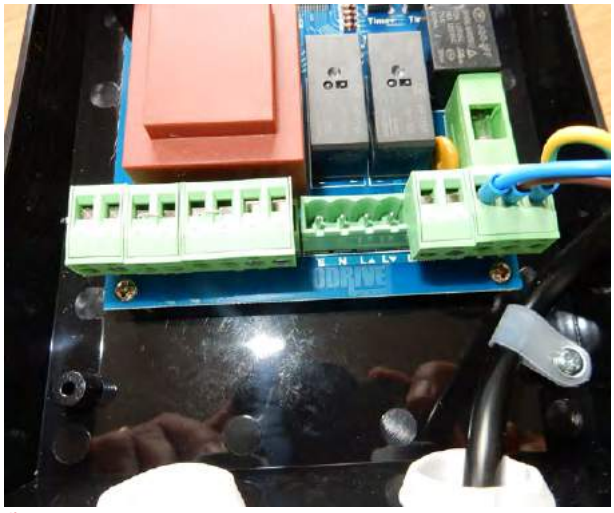


fig.4.1

7 **Wiring as follows;**

Pre wired Mains Power:
N – Neutral / Blue power cable
L – Live / Brown power cable
E – Earth / Green/Yellow power cable

Motor:
E – Green/Yellow motor cable
N – Blue motor cable (4 core)
L▲– Brown motor cable (4 core)
L▼– Black motor cable (4 core)

PROGRAMMING REMOTE CONTROL HANDSETS

1. Slide the black cover down on the remote control handset and you will reveal four buttons **(fig 5.1)**.
2. Press and hold the left button (up triangle), then press and hold the right button (down triangle) if the door moves then the handset is already programmed in, please repeat with all other handsets if they are all programmed please proceed to 'Direction of rotation Section', if not then carry on to step 3.
3. With the handset in hand, located the red learn button on the top right hand side of the board next to the digital display **(fig.5.2)** and press and hold till the digital display comes up S.T.U then release.
4. Press and release the top button on the handset twice.
5. The S.T.U display will flash quickly to indicate success.
6. Repeat for all handsets.

fig.5.1

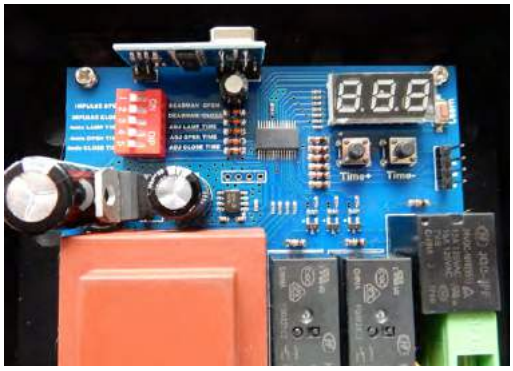


fig.5.2

DIRECTION OF ROTATION

1. Press and hold the right (▼) button on the handset and the door should start moving in the downward direction. Should the barrel be turning in the upwards direction press the stop button (■).
2. Swap the black and brown motor wires round in the green motor connection block.
3. Re-attach the membrane ribbon to the pcb board on to the 4 pins on the top right **(fig.5.2)**
4. Press and hold the down button and the door should start to close. Should the barrel be turning in the upwards direction press the stop button.
5. Reverse the membrane ribbon on the pins.

INSTALLING Ellard RECEIVER BOX

Remove the lid of the receiver box by squeezing each side at the bottom where the wires come into the box **(fig 6.1 A)**.

2 Place the Receiver box on the wall with the cable pointing downwards at a comfortable height to operate the push buttons, but out of the easy reach of children. Between 1500mm up from the floor and 300mm down from the roof/ceiling is recommended.

3 Making sure the box is square, mark the three fixings (one top and two bottom), then drill and secure with fixings **(fig 6.1 B)**.

4 Run the two core cable from the safety brake end across to the same end as the receiver box, making sure to securely fix the cable out of the way of the working mechanism (usually on top of the casing).

5 For ease of installation, the green terminals can be removed from the board.

6 **Wiring as follows (fig.6.2 & fig.6.3);**

Pre wired Mains Power:
N – Neutral / Blue power cable
L – Live / Brown power cable
Earth – Earth power cable

Motor:
L – Brown motor cable (4 core)
R – Black motor cable (4 core)
Earth – Earth connection motor cable (4 core)
N – Blue motor cable (4 core)

Special Attention: red link wire from G to U and G to S **MUST STAY IN**

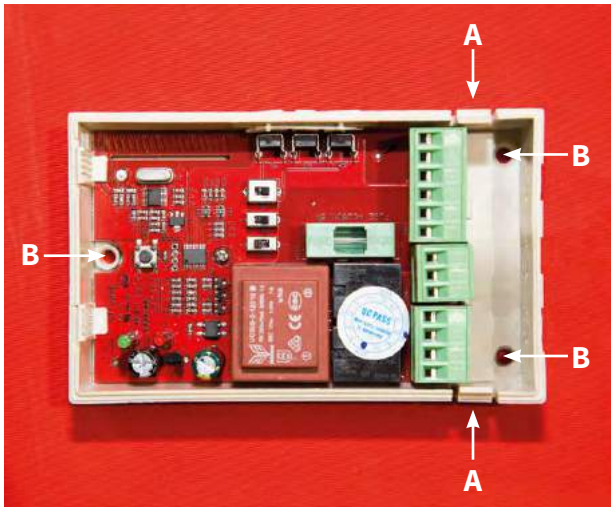


fig.6.1


fig.6.2

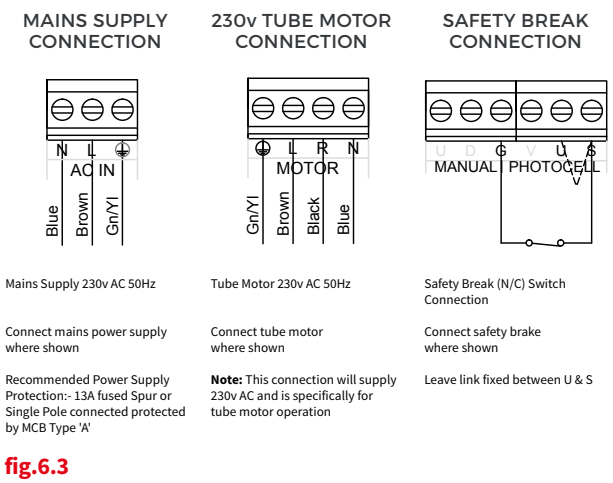


fig.6.3

PROGRAMMING REMOTE CONTROL HANDSETS AND PUSH BUTTON

1. Slide the white cover down on the remote control handset and you will see there are four buttons **(fig 7.1)**.
2. Press and hold the top right button (▼), if the door moves then the handset is already programmed in. Repeat with all other handsets.
3. If not programmed then press and release the black programming button located at the top middle of the receiver box **(fig.7.2)**. The green LED will start to flash.
4. Press and hold the bottom left programming button on the handset (●). The green LED will flash faster and go out.
5. Test handset by pressing either direction, the barrel should move. Repeat with all other handsets that need programming.

fig.7.1

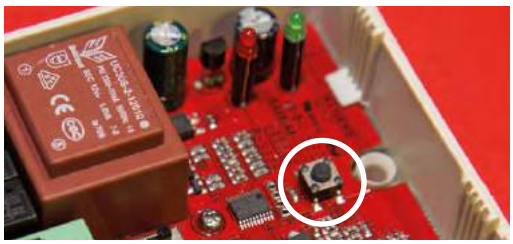


fig.7.2

DELETING REMOTE CONTROL HANDSET'S MEMORY

1. Press and release the black programming button andthe green LED will start to flash **(fig.7.2)**.
2. Press and hold the black programming button again and the green LED will start to flash faster. When this happens, release and press again one more time, the green LED will go out.
3. Test to see if remote operates door.

DIRECTION OF ROTATION (HOLD TO RUN)

1. Press and hold the top right button (▼) on the handset and the barrel should start turning in the downwards direction. Should the barrel be turning in the up direction, press the bottom right stop button (■) so the barrel stops and then move the left of the three dip switches up **(fig.7.2)**.
2. Press and hold the top right button (▼) on the handset, and the barrel should start turning in the downwards direction.
3. Press and hold the bottom button (▼) on the side of the receiver box and the barrel should start turning in the downwards direction. Should the barrel be turning in the up direction, press the middle button (■) on the side of the receiver box so the barrel stops and then move the right of the three dip switches up **(fig.7.2)**.
4. Press and release the down button (▼). if the door closes, press the stop button and flick the middle dip switch up. You should now have to press and hold the down button for the door to close, hold until barrel stops moving.

SETTING MOTOR LIMITS

1. Press and hold the down button on receiver box so the curtain starts to roll down to 300mm (roughly 6 slats) from top of the guide runners.

2. Place the plastic wand in to the limit nearest the curtain of the door **(fig.9.1)** and turn 10 times in the negative direction (this is marked on the head of the motor near the limits) **(fig.9.2)**.

3. Press and hold the up button and the door will travel to the top and should stop on its own, if the door gets to 100mm from the top of guide runners (roughly 2 slats) and hasn't stopped, then stop the door and take it back down to 300mm from top of guides (roughly 6 slats) turn again 15 times in the negative direction, take the door up and repeat until the door does stop before it gets to 100mm from top.

4. Whilst holding the up button turn the wand in the positive direction and the door will start to judder up, keep going until there is only the last slat in the guides, take the door down a little and back up to make sure you are happy.

5. Move the plastic wand in to the limit nearest you inside the garage **(fig.9.1)** and turn 10 times in the negative direction.

6. Press and hold the down button so the door closes, it should stop before it touches the floor if this is not the case take the door back up 300mm off the floor and turn again 15 times in the negative direction, take the door back down and repeat until the door does stop before it reaches the floor.

7. Whilst holding the down button turn the wand in the positive direction and the door will start to judder down, keep going until the door slats are fully compressed and a little pressure is applied from the top (don't apply to much pressure as this will damage the door and straps), take the door up a little and back down to make sure you are happy.

8. Once the guide runners are fixed you will need to secure the top box, with the curtain to the closed position you will have access to the whole top box. This is best done through the end flanges of the header plate, either forward or sideways through the header plate itself if a between fixing **(fig.9.3)**.

9. Close the door down to make sure the curtain doesn't catch anywhere then seal down the sides and along the top case if needed (silicon sealant is recommended).

PLEASE NOTE! You will see there are optional fixing positions on the straps for them to be screwed to the barrel, these are not needed but if you would like to do this **PLEASE BE WARNED** that no screws can be secured 650mm from the head of the motor as you will damage it!

fig.9.1

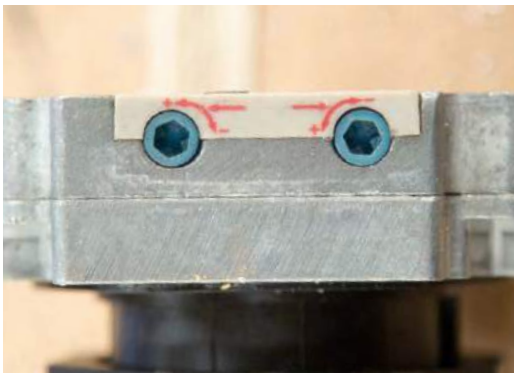


fig.9.2

fig.9.3

INSTALLATION OF BACK CASE

1. Lift the back case to offer up into place and mark for winding stem and if needed the wire gland **(fig.13.1)**.
2. Take down and place on a flat surface **(fig.13.2)**, then cut out the slots needed **(fig.13.3)**.
3. Clean up any loose or rough edges **(fig.13.4)**.
4. Lift the back case up as close to the winding stem and gland as possible, hook the back case into the top lip where the two cases meet **(fig.13.5)** and slide across to go all the way to the edge of the header plate, making sure when it is all the way over that the whole of the two cases are slotted together.
5. With the self-tapping screw provided, secure through the back case into the bottom flange of the header plate on both sides **(fig.13.6)**.

fig.13.1

fig.13.2

fig.13.3

fig.13.4

fig.11.5

fig.13.6

Completed

EXTERNAL MANUAL OVERRIDE

1 Mark the height you require your external override to go through the wall and drill a 22mm hole through the wall all the way.

2 Place the plastic tube into the hole from the front with the plate flush against the outside wall and mark the 4 holes for fixing the plate.

3 Then go inside and mark the length to cut off the plastic insert.

4 Remove from the wall, drill 4 fixings outside and cut plastic tube to size then reinsert in wall.

5 Insert universal joint at bottom of shaft into the plastic tube end and mark 2 fixing holes.

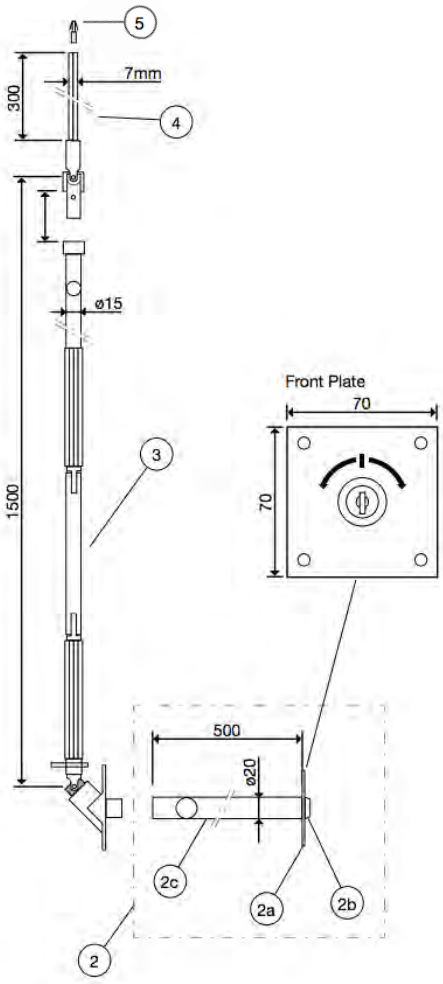
6 Mark the length you need to cut the shaft to make fit with stem.

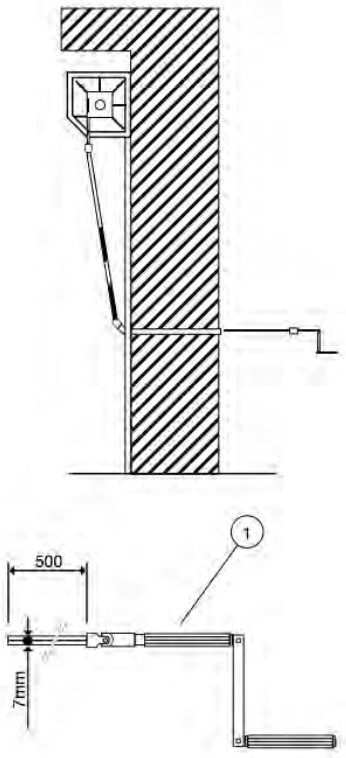
7 Cut shaft to size and drill a 5mm hole in the shaft so you can reapply clip to attach shaft to stem.

8 Drill fixing holes for universal joint.

9 Attach shaft to stem with clip and place universal joint into plastic tube and screw to wall.

10 Remove lock and check to make sure the unit turns.





TROUBLESHOOTING

Q.

I was setting the door up and it was all ok but it just stopped and will not move up or down electrically but I can still wind the door by hand.

A.

The motor for the door is a friction drive and as such will generate heat. If the door is sent up and down a lot in succession (like when first installing the door) the thermal cut out can kick in, if this happens turn the power off and wind the door down by hand so as to allow air to pass over the barrel and cool down, this can take in excess of 45 minutes.

Q.

I have pressed the button on my handset and the door is not moving.

A.

1. Does the red light come on when you press the button on the handset? If not then change the battery on the handset.
2. Is the light on the receiver box on? If not then check the power supply to the control panel.
3. Is a noise coming from the motor when you activate it? If so then check the security straps, if these are disconnected or broken you will need to contact the office to purchase some more.
4. Can you open the door by using the manual winding handle? If so then try the buttons on the box inside the garage after winding, if the door is still not working then you will need to contact the office, as the safety brake on your door has engaged and has damaged the switch. This will need to be re-engaged or, if broken, replaced.

Q.

I have pressed the button on my handset and the door started to close but keeps opening again.

A.

1. Check to make sure there are no obstructions in the way of the curtain and that the guide runners are clear of debris and have not been damaged or dented.
2. The safety edge on the door can sometimes think that strong winds are an obstruction and as such will re-open. If the door will not close then activate the hold to run function on your handset or receiver box to close the door and then return to it another day to make sure it is working OK. If this keeps happening contact the office as the sensitivity on your safety edge may need adjusting.

TROUBLESHOOTING

Q.

When closing the door it came into contact with an obstacle and I didn't stop the door in time, now it will not open.

A.

Check to make sure the security straps are ok and are not broken or out of shape. Can the straps bend back on themselves? If this is the case, you will need to contact the office to purchase some more.

Q.

When closing the door it came into contact with an obstacle and I stopped the door and pulled the obstacle out of the way but the door dropped and now it will not move.

A.

1. Can you open the door by using the winding handle? If so, then try the buttons on the box inside the garage after winding, if the door still will not work then you will need to contact the office as the safety brake on your door has engaged and has damaged the switch. This will need to be re-engaged or, if broken, replaced.
2. If you can't wind the door up, check to make sure the security straps are ok and are not broken or out of shape. Can the straps bend back on themselves? If this is the case, you will need to contact the office to purchase some more.

Q.

My receiver box keeps making a beeping noise when I use it.

A.

The safety edge unit gives off 4 beeps to warn you that the batteries in your base rail unit are getting low on power, please replace with 2 new AA cells.