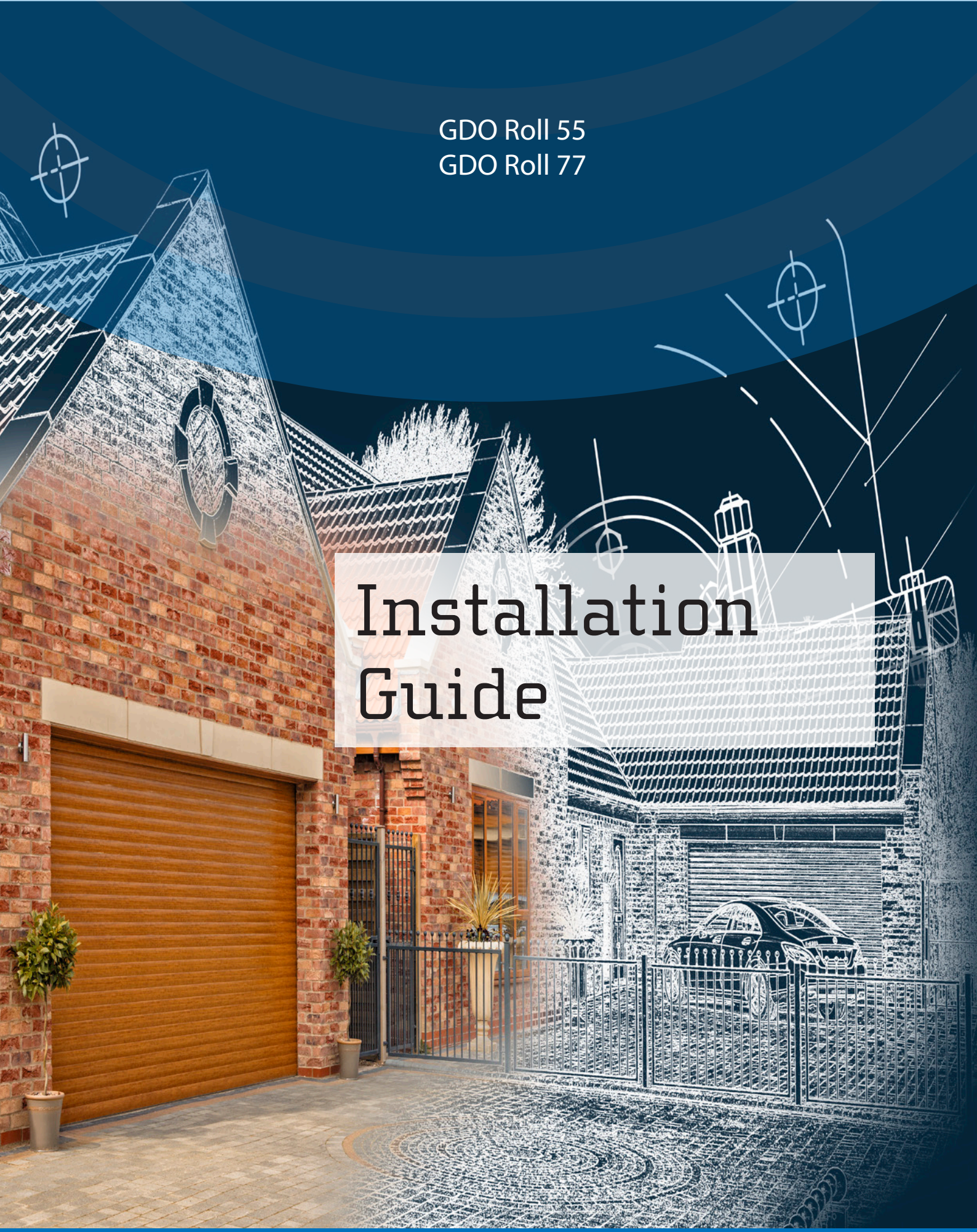
GDO Roll 55
GDO Roll 77

Installation Guide



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Instructions for competent engineer or DHF trained garage door installer.

Installation Manual

Important: Please read these instructions carefully prior to commencing the installation of the door.

The AlluGuard door has been designed to provide years of trouble free use. The door will perform efficiently only if it is installed and operated correctly.

Read these important safety rules first:

This equipment must be installed and used in accordance with these instructions. Failure to follow these instructions could result in damage to the integrity of the safety circuits.

Two persons are required to install this product to ensure safe handling procedures.

CAUTION

Do not wear rings, watches or loose clothing while installing or servicing the unit and ensure correct PPE is worn.

To avoid serious personal injury from entanglement, remove any loose objects from the equipment prior to operating door.

DANGER

Installation and wiring must be in accordance with your local building and electrical regulations.

Any electrical work must be carried out by a suitably qualified person, if in doubt consult a qualified electrician.

Use only the mains lead supplied with the Remote Control Unit as failure to do so will invalidate the warranty.

Connect the mains lead to an adjacent 13amp 3 pin switched socket.

The plug must be fitted with a 13 amp fuse.

Note: For optimum electrical safety this unit should be connected to circuit protected by a R.C.D. (max 30 mA trip rating).

This unit should not be installed in a damp or wet space or on a damp or single skinned wall without sufficient spacers.

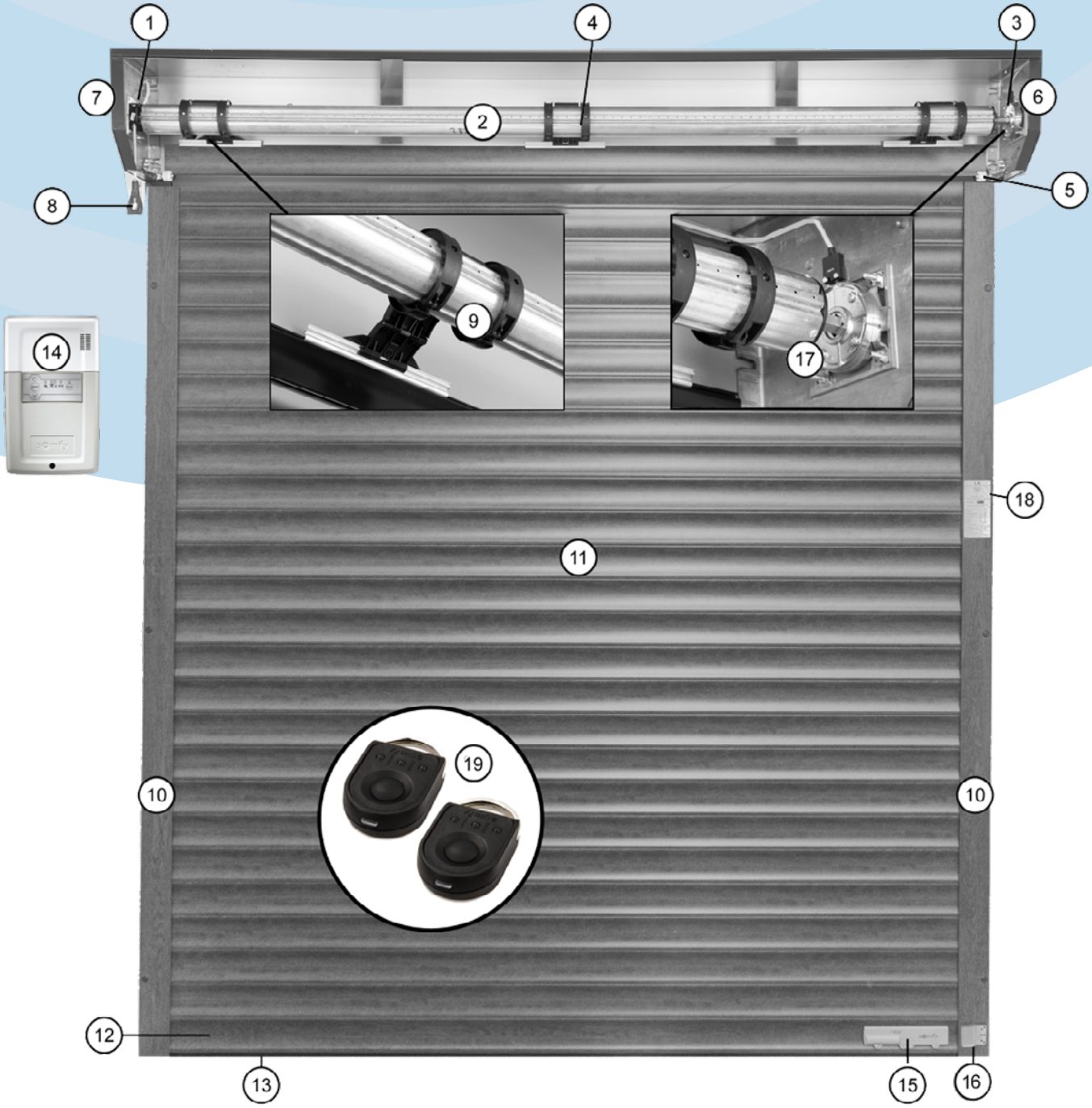
DANGER

Disconnect electric power to the control unit before making repairs or removing covers.

Install the Remote Control Box (or any additional push buttons) in a location where the garage door is visible, but out of the reach of children. Do not allow children to operate push button(s) or remote control(s). Serious personal injury from a closing garage door may result from misuse of the operator.

CAUTION

Activate unit only when the door is in full view, free of obstructions and operator is properly adjusted. No one should enter or leave the garage while the door is in motion. Do not allow children to play near the door.



1. Motor
2. Axle Assembly
3. Shaft End Cap
4. Barrel Rings
5. Guide Rollers
6. R/H End Plate
7. L/H End Plate
8. Overide Eye
9. Locking Strap
10. Guide Rails
11. Curtain Assembly
12. Bottom Rail
13. Bottom Weather Seal
14. Rollixo Control Box
15. Safety Edge Transmitter
16. Bottom Magnet
17. Safety Brake
18. CE Label
19. Hand Transmitter *(x2)*

Component Check

Unpack and check that all components are present.

✓ **Curtain Assembly**
(inc. set of Pre-fitted Locking Straps)

✓ **Axle Assembly**
(pre-fitted with Motor, Locking Rings and Dummy End)

✓ **Pair of Guide Rails**
(pre-fitted with brush strips)

✓ **Box Assembly Comprised of:**

- 1 pair of end plates (pre-fitted with guide rollers & safety break)
- 1 motor override eye and manual winding handle
- 1 fittings pack

✓ **Control System Comprised of:**

- Control unit (The light bulb is not covered under manufacturer's warranty)
- Mains lead
- Magnet
- 2 No. Remote hand transmitters
- Safety edge transmitter (The battery is not covered under manufacturer's warranty)
- Fittings Pack

1. Pre-Installation Check

Important Note: In case of power failure a manual override system is fitted as standard but this can only be operated from inside the garage.

If the garage has no service entrance door then an exterior release kit must be fitted to allow manual operation of the garage door from outside.

1. BEFORE REMOVING THE OLD DOOR check that the door size and colour correspond with that which was ordered.

2. Structural condition of opening

Ensure the area around the opening is strong enough to support the door

The surface where the door is to be fitted must be flush and reasonably smooth.

Small irregularities in the brickwork will be acceptable. The lintel must not protrude backwards or forwards from the brick piers. Should the lintel protrude backwards or forwards from the brick piers this will require special instructions, please consult your AlluGuard Approved Installer.

3. Fitting Notes

3.1. It is recommended that 2 people are available for fitting all door sizes.

3.2. The door must be fitted square and level, irrespective of the shape of the opening; on no account should any compensation be made to suit an irregular opening.

3.3. Ensure all necessary tools are to hand before starting.

3.4. The door package and its contents should be checked for obvious damage before removal of the wrapping.

IF THERE IS ANY DAMAGE YOUR SUPPLIER SHOULD BE CONTACTED IMMEDIATELY.

4. Ensure there is a suitable 13amp 3 pin switched socket adjacent to where the Remote Control Box is to be fitted.

5. Ensure all tools and door components are gathered together inside the garage prior to starting the installation.

Tools Required:

- **2 Stepladders**
- **Spirit/laser level**
- **Steel tape**
- **Power drill**
- **10mm A/F spanner**
- **Slot screwdriver**
- **Pozidrive screwdriver**
- **4mm A/F Allen key**
- **3.8 drill bit**
- **7.0 drill bit**
- **11.0 drill bit**
- **Hacksaw**
- **Suitable wall plugs (not supplied)**
- **Small electrical screwdriver**
- **3mm A/F Allen key**
- **Suitable fixings (not supplied)**

2. Check Headroom

The headroom is the clear vertical height required between the top of the guide rails and any obstruction above the shutter as shown in **Fig 1 and Fig 2.**

This space is required to house the door roll headroom of 205mm / 300mm is required. (AG55 requires 205mm & AG77 requires 300mm).

Limited Head room

If insufficient headroom is available the door can still be fitted (see your survey sheet) but the shorter guide rails will give a corresponding reduction in door opening height as shown in **Fig 3**. The curtain will require 1 lath to be removed for every 75mm of reduction in the guide height.

Note: Ensure that the headroom above the guides is clear of any obstructions (especially small protrusions or nail heads) which could cause damage to the door roll during installation/operation.

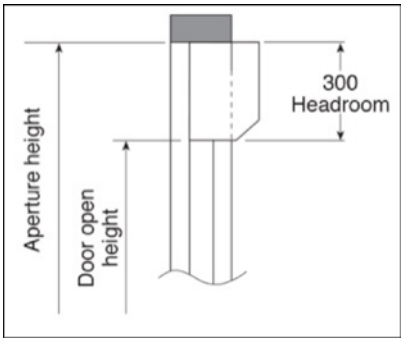


Fig 1: Headroom within aperture

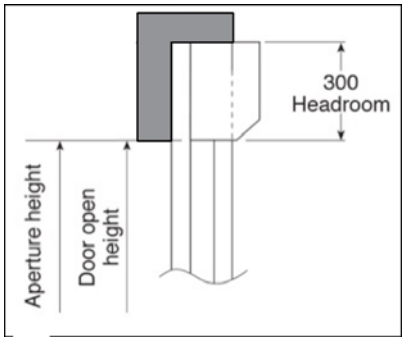


Fig 2: Headroom behind aperture

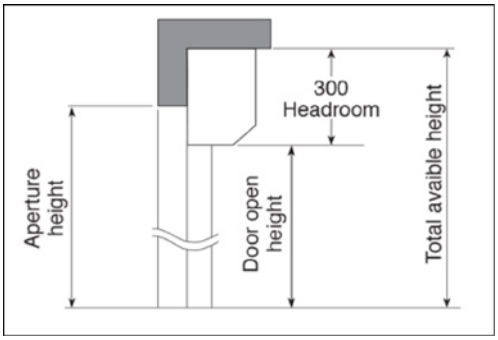


Fig 3: Limited headroom

3. Preparing the Guide Rails

3.1 For Fitting Within The Aperture

3.1.1 Check Guide Rail Length

Check that guide rails have been supplied to the correct length as per your survey sheet / order. The correct length is aperture height less 205mm or 300mm as shown in **Fig 1**.

3.1.2 Drill Fixing Holes

Drill holes through 7mm diameter and counter drill 11mm diameter as shown in **Fig 4**.
A minimum three holes per rail are required, positioned as shown in **Fig 5**.
NB. Position holes for best fixing to brickwork.

3.2 For Fitting Behind The Aperture

3.2.1 Check Guide Rail Length

Check that guide rails have been supplied to the correct length as per your survey sheet/order.
A. Where headroom of 205mm / 300mm or more is available guide rail length equals aperture height as shown in **Fig 6.**
B. Where only limited headroom is available guide rail length equals total available height less 205mm / 300mm as shown in **Fig 7**.

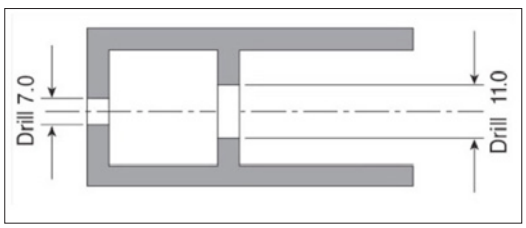


Fig 4

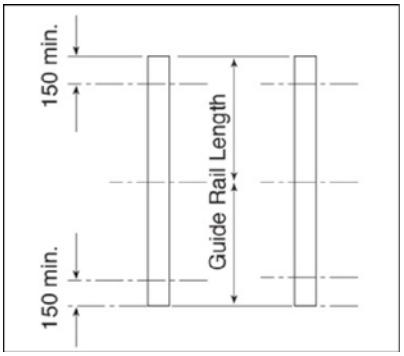


Fig 5

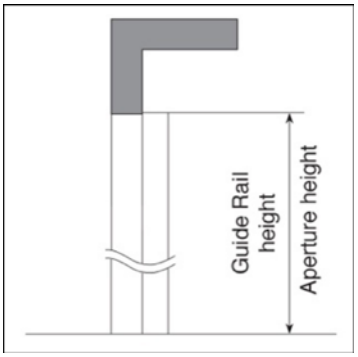


Fig 6

3.2.2 Drill Fixing Holes

Drill holes through 7mm diameter & counter drill 11mm diameter as shown as shown in **Fig 8.**
A minimum three holes per rail are required as shown as shown in **Fig 9.**
NB position holes for best fixing to brickwork.

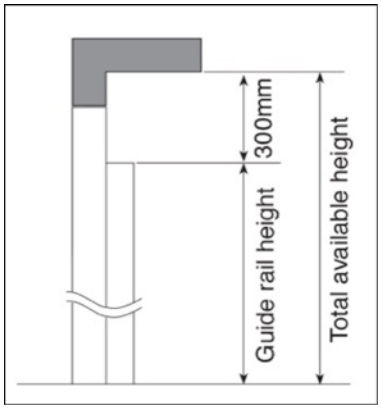


Fig 7

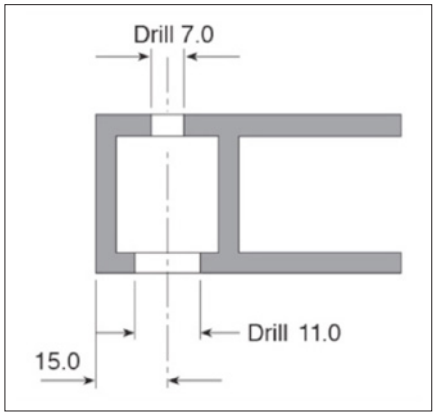


Fig 8

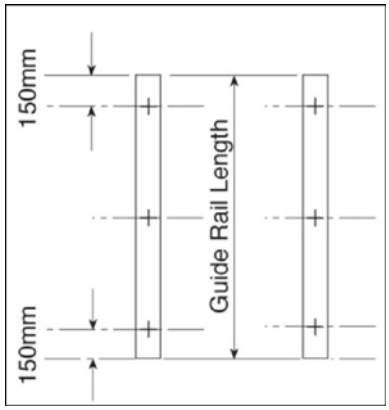


Fig 9

4. Assemble the Frame

4.1 L/H or R/H Motor (Factory Fitted as Standard)

The motor and control unit can be mounted on either the L/H side or R/H side. (Please specify at time of order).

All AlluGuard doors are fitted with a safety brake as standard excluding AG55 Doors shown in **Fig 10**.

- If you want to change the hand of the motor this should be carried out by a suitably trained engineer.
- If you do move the Motor & Safety Brake ensure that these are installed correctly otherwise the unit will not activate under normal running conditions.
- **It is important that the head plates are securely fixed – 2 fixings per head plate.**

4.2 End Plates and Safety Brake Device* (Safety brake factory fitted as Standard)

Lay the Head assembly on protective packing, parallel with and just inside the garage opening.

Ensure the motor is situated at the correct end for your installation and that the motor limit adjusters are at the top/bottom as shown in **Fig 11**.

Fix the motor plate to the end plate by using four M6 x 25 countersunk screws and Nyloc nuts provided.

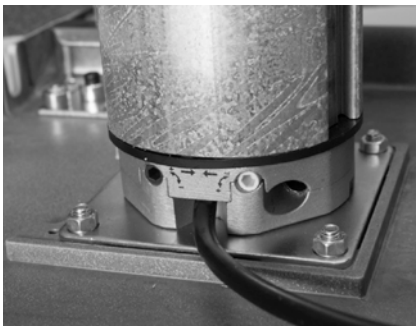


Fig 11

Fig 10

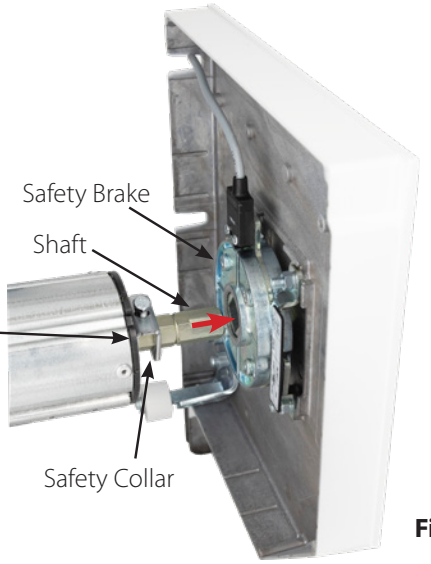


Fig 10a

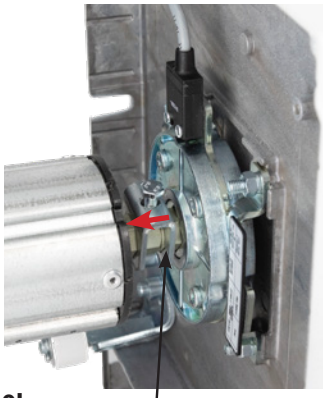


Fig 10b

Safety Collar

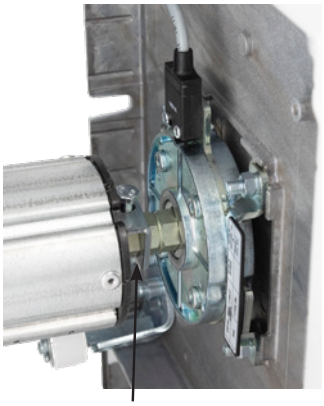


Fig 10c

Safety Collar tight against the dummy end

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The safety brake is prefitted to the end plate as standard **(Fig 10).** Loosen the safety collar on the dummy end shaft, extend the shaft fully into the safety brake **(Fig 10a)**. Slide the safety collar tight up to the dummy end and tighten.**(Fig 10b & 10c)**.

4.3 Fit Guide Rails

Select R/H guide rail and slide fully onto the bottom square tube spigot projecting from the R/H end plate, please ensure that the End Plate is flush with the face side of the guide rail.

Repeat for the L/H guide rail as shown in **Fig 12.**

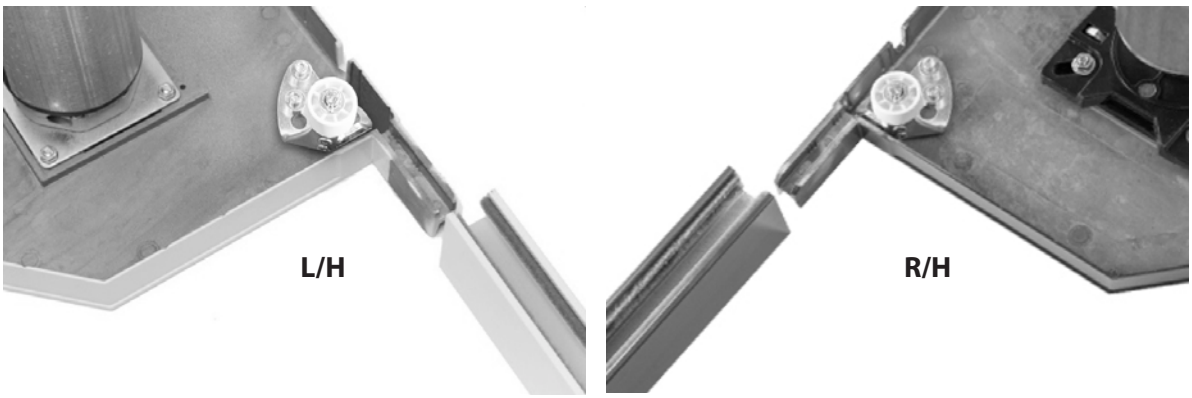


Fig 12

5. Install the Frame

You will have drilled your guide rails, as shown in **Fig 4** or **Fig 8**, for fitting either:-

a) Within the aperture **b)** Behind the aperture

Please proceed accordingly. **(SAFETY NOTE: 2 people required)**

5.1 Fitting Within Aperture

For installation within the aperture we strongly recommend the use of a cover box as this covers and protects the door curtain roll.

5.2 If either half box or full box options are specified these will be supplied factory fitted to the end plates.

5.3 Lift the frame assembly into position and align with the front of the aperture.

Ensure the guide rails are VERTICAL (in both directions) and parallel to each other, at the same height and the correct distance apart.

NB: Some width adjustment is available on the sliding shaft end of the axle.

The correct distance is shown in **Fig13**. – AG77 Door

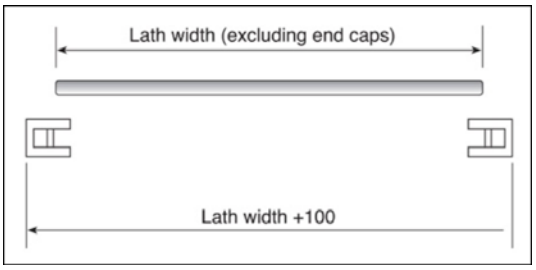


Fig 13

Ensure the axle assembly is horizontal by using a spirit level.

5.1.3 Once the frame is correctly positioned, mark and drill for fixings (fixings not supplied).

5.1.4 When the guide rails are securely fixed, double check that they are vertical, parallel and correct distance apart and that the axle assembly is level.

5.4 Fixing The Head Plates – 2 fixings per head plate.

Fix the head-plates into position ensuring that the head-plates are level and that the locating pegs are fully located into the guide section. Fix securing screws through back of head-plate and attach securely to the wall. Where a back box is fitted it may be necessary to fix the back box to the opening header to stop any marking of the curtain during door operation. If additional fixings are required in the back box, use countersunk screws, ensuring that the screw heads do not protrude, as curtain damage could occur.

Always ensure that the back box is adequately fixed to eliminate any rubbing of the curtain on the back box during the door operation and fixing are evenly spaced to ensure no bowing of the box.

5.5 Fitting Behind Aperture / Fitting to the Front of the Aperture (External Fit)

Lift the frame assembly into position and align centrally with the aperture. Ensure the guide rails are vertical (in both directions) and are parallel to each other, at the same height and the correct distance apart.

NOTE: Some width adjustment is available on the sliding shaft end of the axle. The correct distance apart is shown in **Fig 13.**

When fitting to the front of the aperture (external fit/reverse roll), once installation is complete, the box must be siliconed at the interface with the aperture and along all edges and joints to prevent water ingress. Failure to seal will invalidate the warranty. The bottom slat transmitter must be fitted to the inside face of the bottom slat (concave face). Fitting to the external face of the slat will lead to failure and invalidate the warranty.

Ensure axle assembly is horizontal by using a spirit level.

5.6 Once the frame is correctly positioned, mark and drill for fixings (fixings not supplied).

5.7 When guide rails are securely fixed, double check for vertical, parallel and correct spacing and that the axle is level.

NOTE: Once the frame is fully fitted and checked, use the plastic plugs supplied to cover the fixing holes in the guide rails to give a 'fully finished' effect.

5.8 Fixing the Head Plates

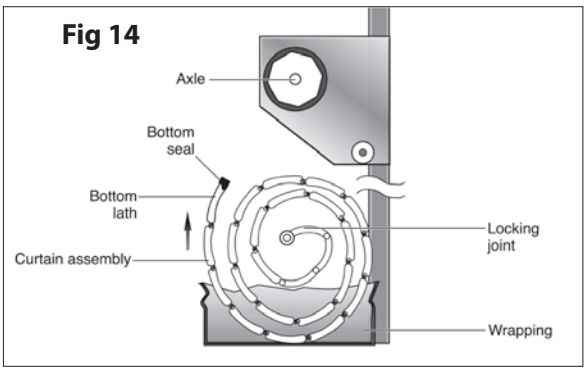
Fix the head-plates into position ensuring that the head-plates are level and that the locating pegs are fully located into the guide section. Fix securing screws through back of head-plate and attach securely to the wall. Where a back box is fitted it may be necessary to fix the back box to the opening header to stop any marking of the curtain during door operation. If additional fixings are required in the back box, use countersunk screws, ensuring that the screw heads do not protrude, as curtain damage could occur.

Always ensure that the back box is adequately fixed to eliminate any rubbing of the curtain on the back box during the door operation.

6. Installing the Curtain Assembly

6.1 Carefully unwrap and remove the outer bubble wrap protection and place over shaft to stop damage to inside of curtain during installation.

Fig 14



6.2 Carefully position the curtain assembly in the door aperture, below the axle as shown in **Fig 14**, slit the packaging to gain access to the curtain but leave some packaging to protect the curtain.

6.3 **SAFETY NOTE:** A minimum two people are required for this procedure to ensure safe handling.

6.4 It is essential to place sections of bubble wrap over the axle to prevent marking the curtain as it is installed.

6.5 Using minimum 2 people carefully lift the curtain assembly up level with the axle. Practice has shown that it is best to place one hand on the axle, keeping that arm straight, and support the curtain roll on that shoulder as shown in **Fig 15**.

6.6 Feed the bottom lath over the top of the axle and down between the guide rails, as shown in **Fig 16** taking care not to scuff the curtain assembly, proceed until half of the curtain has been fed over the axle, carefully unroll the remaining curtain until this is balanced over the shaft, once this is done carefully feed the curtain into the guide until the curtain is reaches the floor.

NOTE: Do not let the curtain 'free fall' over the axle as this will result in damage to the **Curtain** and/or the **Safety Edge Transmitter.**

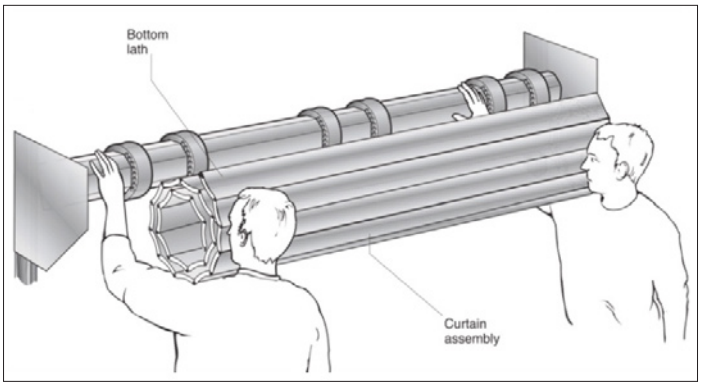


Fig 15

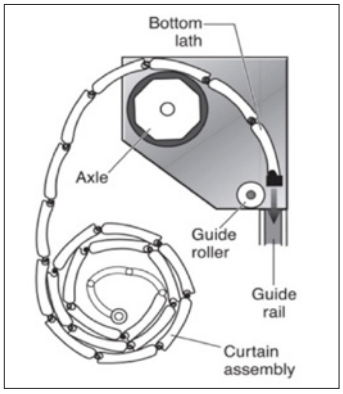


Fig 16

7. Attach the Curtain

Fig 17

7.1 Fit the Motor Override

Attach the 'Motor Override Eye' fitting to the motor as shown in **Fig 17** using 3mm screw.

7.2 Position the Axle

Use the motor override to rotate the axle shaft.

Rotate the axle until the locking joint attachment holes are positioned as shown in **Fig 18**.

7.3 Locking Ring

There is a locking ring positioned on the shaft for each locking strap; the number of locking rings will vary according to curtain width and AG55 - 2 rings & AG77- 1 ring per strap.

Position the outermost ring/s to the shaft approx. 150mm in from each end and equally space the other/s as shown in **Fig 19**.

Slide each locking strap along the top lath and engage the fastening pin into the appropriate hole in the respective clamped locking ring/s, (AG55 Doors).

Slide the loose locking ring to engage the other end of the fastening pin and secure the loose locking ring to the shaft using the self tapping screw on AG55 doors.

Repeat this for each locking strap, as shown in **Fig 19**.

7.4 Locking Ring (AG77)

The locking rings are pre-attached on the barrel, to connect the locking straps, line up with the locking ring hole and insert pin. Space the lock rings with 800mm between them.

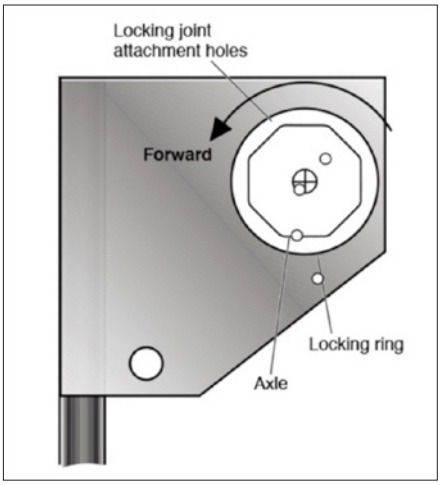


Fig 18

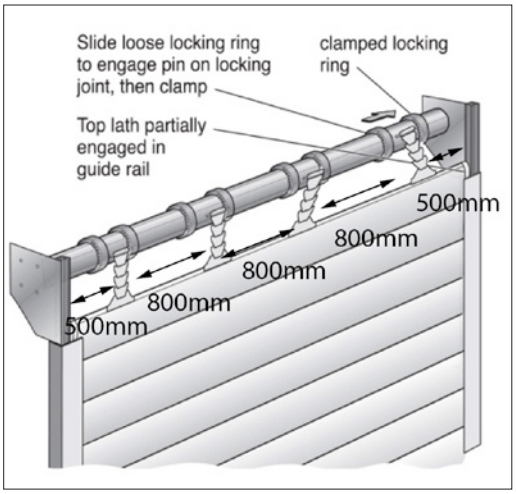
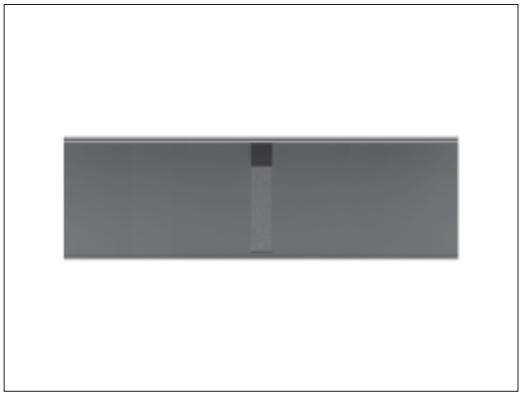
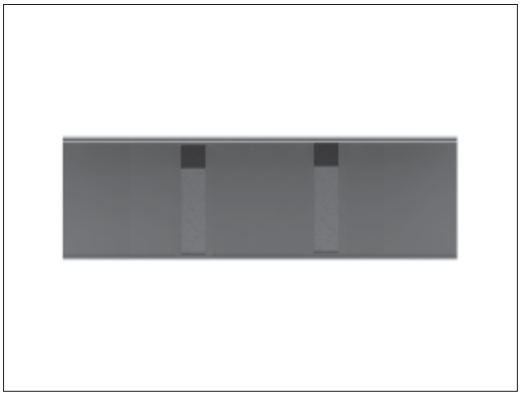


Fig 19

The support straps (box stiffeners) should be positioned centrally or equidistant. **Support straps are available as an optional extra, should the box require support.**





8. Connect the Electrics

8.1 Preparing the AlluGuard Roller Garage Doors for Remote Control for Installation

- Remove the integrated light cover from the top of the Somfy Rollixo Control Unit.
- Unscrew and remove the receiver cover from the unit by loosening the one screw at the base of the unit.

8.2 Fixing the Somfy Rollixo Remote Control to the Wall

- Make sure that the unit is mounted onto internal brickwork and is firmly fixed.
- The unit must be installed with the courtesy light at the top. Hold the unit against the wall at a height of at least 1.6 meters and mark where the screw fixings should be as shown in **Fig 20.**
- Take the unit away and drill the holes. Fix unit to the wall.

THIS MUST BE FITTED INSIDE THE GARAGE AS IT IS NOT IP RATED

8.3 Plug power lead into 13A socket but **DO NOT SWITCH ON** at this stage.

8.4 Connect the safety brake cable to terminals 5 and 6. Alternatively use a test lead.

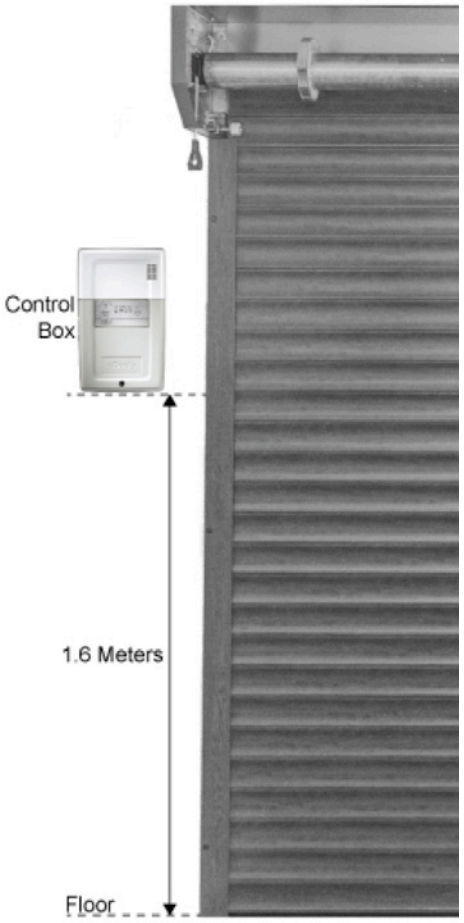


Fig 20

9. Setting the Curtains Open and Close Position

Somfy Motor Set-Up

Motor and fall protection wiring.

The receiver must not be connected to the mains power supply during connection to the motor.

9.1 Motor Wiring

9.1.1 Connect the motor to the receiver.

Note: the motor's direction of rotation shall then be checked and reversed if necessary.

9.1.2 Lock the motor cable with the cable clamp provided.

The motor cable must be placed in the receiver's 230v insulation area.

Fall protection wiring.
If no fall protection is connected, it is essential to create the bridge between terminals 5 and 6 of the receiver (with the shunt provided).

9.2 Connecting the Receiver to the Mains Power Supply

9.2.1 Fully unfold the receiver aerial so that it is pointing downwards.

9.2.2 Screw the bulb supplied into the receiver. (Before connecting to mains power supply)

9.2.3 Replace and screw in the receiver cover.

9.2.4 Refit the integrated light cover.

9.2.5 Connect the receiver to the mains power supply.

All the indicator lights come on and then go out.
If indicator light 1 comes on permanently, fall protection is not connected or incorrectly connected to the receiver.

If indicator light 2 comes on permanently, the safety edge has not been detected by the receiver (radio safety edge transmitter not yet memorised or the wired safety edge is still not connected).

9.3 Checking the Direction of Rotation of the Motor and Adjustment of the Motor End Limits

9.3.1 Press simultaneously on the ^ and v buttons until the motors up and down movement occurs to enter motor adjustment mode.

- Indicator light 1 flashes slowly.

9.3.2 Press button ^ or v to check the motor's direction of rotation.

If the motor's direction of rotation is correct, move on to step **[3]** of the motor end limit setting procedure.

If the direction of rotation is incorrect, press button **(stop)** until the motors up and down movement occurs, check the motor's direction of rotation again and move on to step **[3]** of the motor end limit setting procedure.

9.3.3 If the motor end limits are already set, move on to step **[8]** to exit motor adjustment mode.

- If the motor end limits are not set, check that the motor is released: the two push-buttons should be pressed.

Note: The motor end limits can also be set with a setting tool (ref. 9015971).

In this case, set the motor end limits with the cable then move on to step **[8]** to exit motor adjustment mode.

9.3.4 Press ^ button to position the garage door in the upper position.

- Adjust the upper position with buttons ^ and v.

9.3.5 Press the motor's upper end limit push-button.

9.3.6 Press v button to position the garage door in the lower position.

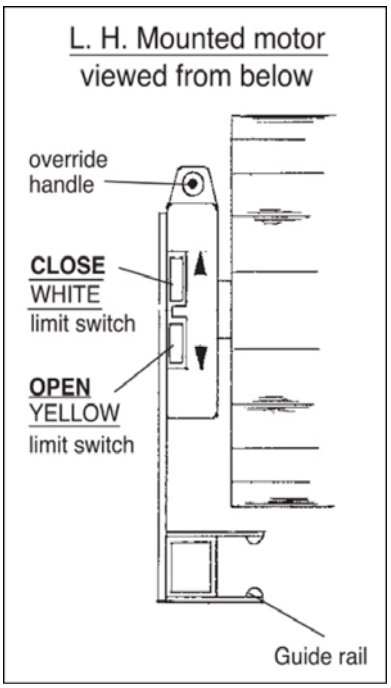
- Adjust the low position with buttons ^ and v.

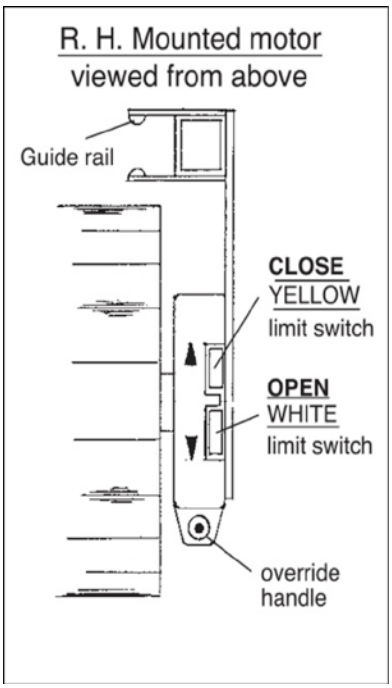
9.3.7 Press the motor's low end limit push-button.

9.3.8 Press simultaneously on the ^ and v buttons or press the (prog) button until the motor's up and down movement occurs to enter motor adjustment mode.

- Indicator light 1 goes out.

Somfy Motor





Progressive Motor Limit Set-up

9.4 Limit Switch Adjustment (see Fig 22)

The limits are set at the factory to 8 revolutions of the shaft, A 4mm 'Allen Key' limit adjuster is used to adjust them further.

Allow the motor to run downwards without the curtain attached to enable the shaft to determine bottom limit position, without curtain attached to shaft.

9.5 Adjustment 'Up'

Run the motor up with the curtain attached, if the motor stops short of fully open, turn the adjusting screw in the + direction (this is the adjuster indicated by the rotation of the barrel. This will allow the motor to run on in the up direction.

Stop the motor before it gets to the fully open position and wind the adjuster in the – direction until it stops before the fully open position. Keep the open button pressed and at the same time slowly turn the adjuster in the + direction until the door stops at the fully open position. If the motor runs too high, turn the adjustment screw towards the - direction until the motor stops in the correct position.

9.6 Adjustment 'Down'

Run the motor down, if the motor stops short of the closed position, turn the adjustment screw towards the + direction keeping the control pressed in the down direction until the correct position is reached.

If the motor runs too far turn the adjustment screw towards the – direction.

Set open position as shown in **Fig 21.**

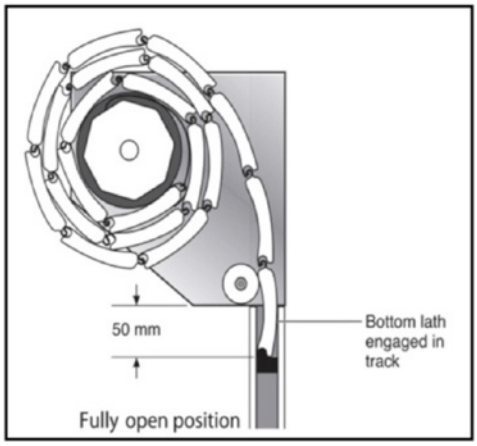


Fig 21

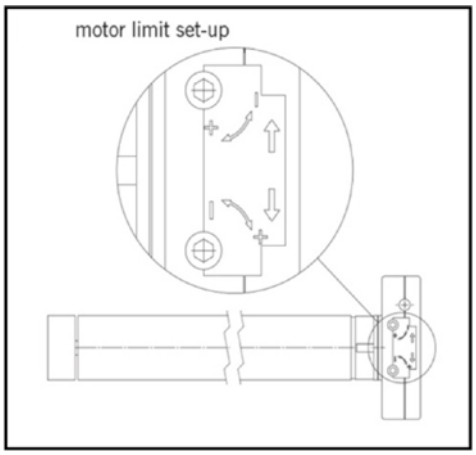


Fig 22

9.7 Checking the Limit Positions

Run the motor in both directions until the limit switches cut out the motor travel.

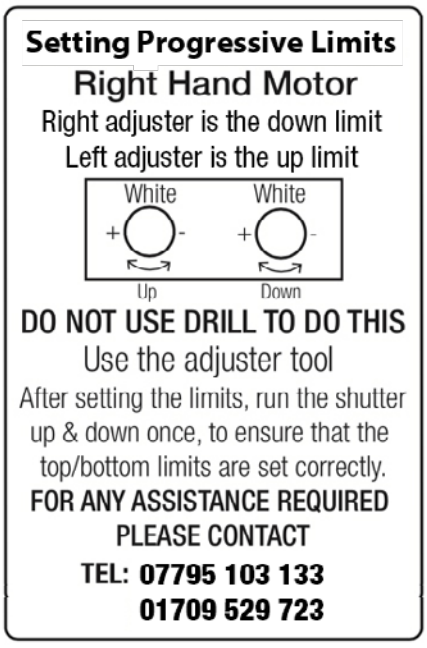
Carry out any fine adjustments. One turn of the adjustment screw corresponds to approximately 70° turn of the roller tube.

In order that the locking joints operate effectively, the position of the shaft in the closed position needs to be finely adjusted.

Do not adjust past this position as this will impose excessive loads on the mechanism.

This motor is fitted with a thermal trip; this stops the motor from overheating.

Be aware that excessive running of the door may cause the thermal trip to operate, if this happens; please wait 20 minutes before trying to operate the door again.



10. Position the Magnet on the Door Guide & Programming the Safety Edge Transmitter

IMPORTANT: Do not introduce the bottom magnet to the guide for the first time with the curtain in the closed position, this will compromise the set up process. Using the test lead or control box buttons, send the door down to the bottom limit position. Mark the guide in pencil at the point in line with the arrow on the bottom slat transmitter. Open the door half way. Fit the bottom magnet over the mark using the sticky pad as shown in **Fig 23.**

Fig 23

Programme the bottom slat transmitter into the control box **Fig 24**.

Programming the XSE Transmitter in to the Rollixo Receiver

Press the 'Prog' button on the Rollixo RTS front panel until the LED above the Prog button lights up RED.

Press the 'PROG' button on the safety edge transmitter for approximately 4 seconds until the 'Prog' LED on the Rollixo RTS controller flashes and then goes out.

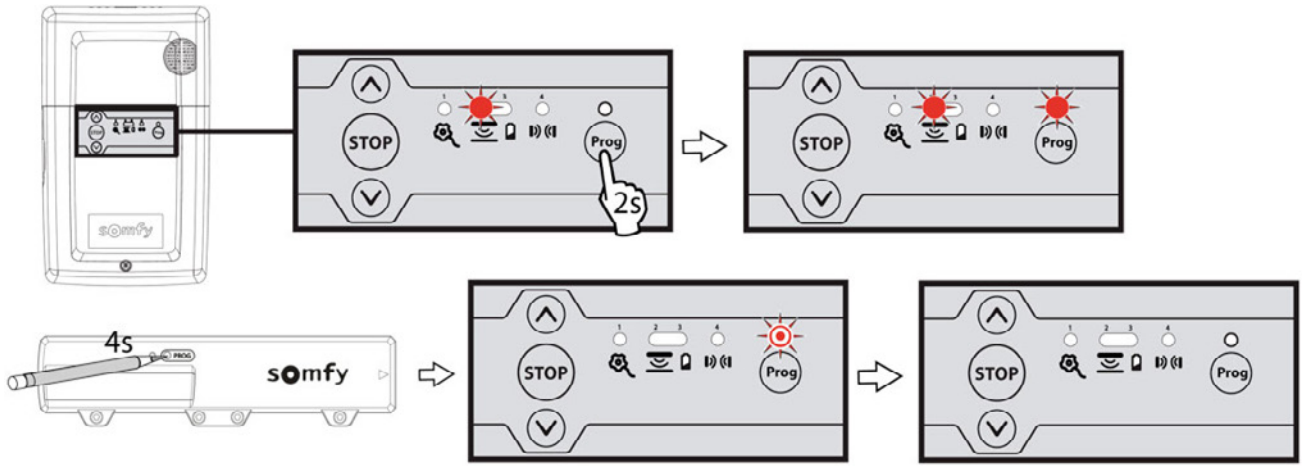


Fig 24

Now, using the control box, send the door up to its open position. Then, using the down arrow, send the door, in one movement, all the way to the close position. The bottom slat transmitter should switch off about 10 seconds after closing.

Failure to follow this procedure can cause the alarm to sound a short while after installation.

Once the safety edge transmitter is in full working order then fix the magnet in place using the self tapping screws provided

Please refer to the Somfy instructions on commissioning a safe edge if required. If you require support, call Somfy Technical Assistance on: 0113 391 3030 Option 3

Additional Problem Solving

10.1 Door Tight Or Jams In Operation

- Check for good entry of curtain laths into guide rails.
- Check that bottom lath is correctly engaged into track when fully open, as shown in **Fig 21.**
- Check for correct clearance of curtain in guide rails. NB: laths should have a sideways 'end float' of approx 6mm.
- Adjust guide rails if necessary to achieve free movement.

10.2 Recalibration of the bottom slat transmitter required

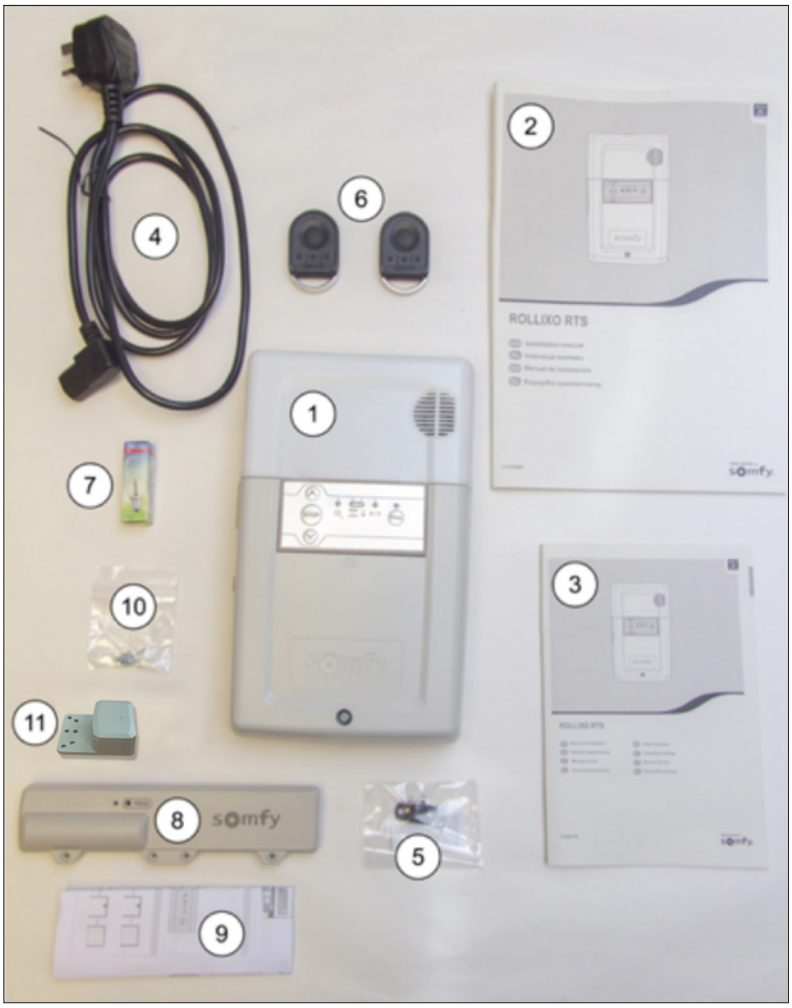
- Press and hold the mode button = LED flash red
- Release the mode button = LED solid red
- Allow the left LED to flash green
- Allow the right LED flash green
- Immediately press the safety edge twice in quick succession to activate it. The LED should flash red then go solid green if the transmitter has been reset.

Rollixo RTS XSE Kit Contents

The Rollixo XSE Kit is supplied with the following:

No. Description

1. 1 x Rollixo RTS Controller
2. 1 x Rollixo RTS Installation Guide
3. 1 x Rollixo RTS End User Guide
4. 1 x Quick Fit Mains Supply Cable
5. 1 x Wiring Accessory Bag – **Contains:**
  1 x Motor Supply Cable Clamp & 2 x Cable Clamp Screws
  1 x Wire Link (to bridge the safety brake terminals)
  1 x Alarm Sounder Screw
6. 2 x Keygo 4 RTS Radio Keyfobs
7. 1 x Courtesy Light Bulb
8. 1 x XSE Safety Edge Transmitter
9. 1 x XSE Safety Edge Transmitter Installation Guide
10. 1 x Bag of XSE Safety Edge Transmitter Screws (x4)
11. 1 x Guide Magnet



Do not attempt to work on the door unless you are a trained engineer

System Diagnostics

The Rollixo Remote Control System provides a full fault finding diagnostic programme, this is all dependent on there being power to the unit.

DIAGNOSTICS

Receiver

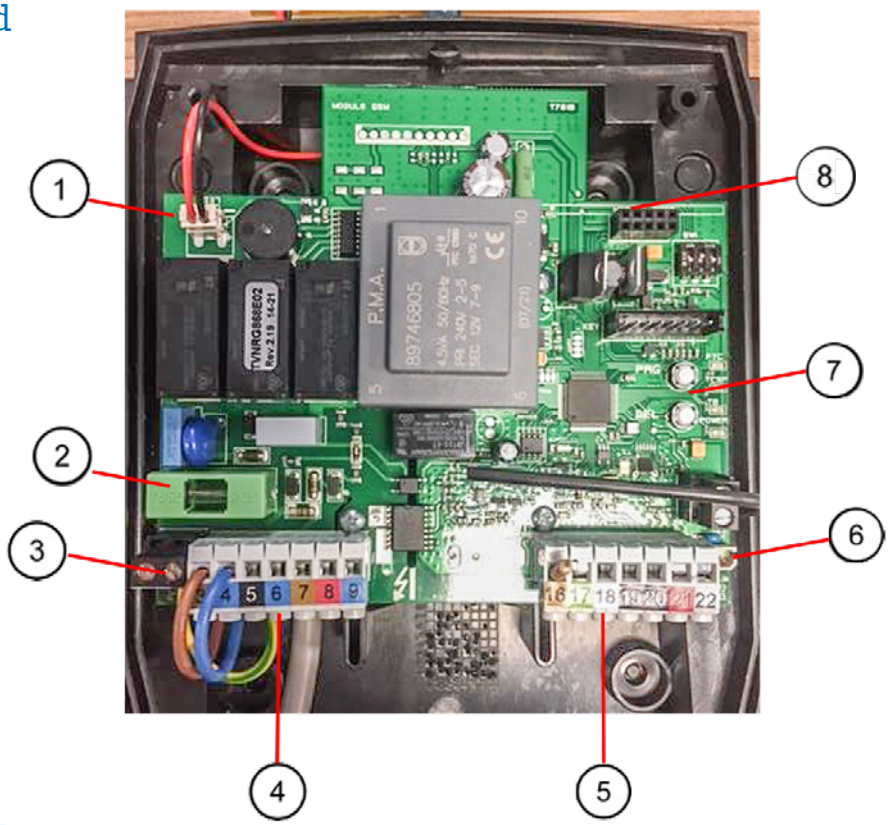
Indicator light status		Meaning
○	Off	Functional installation
☼	Slow flashing	Waiting for an action/adjustment
✺	Rapid flashing	Deactivation/activation in progress
●	Permanently lit	Installation fault/failure

	Indicator light status					Diagnostics	Consequences	Actions/Troubleshooting
					Prog			
Fall protection	●	○	○	○	○	Fall protection is not connected or there is no bridge on the connector if fall protection is connected to the shared motor terminal	No movement possible	Check the fall protection wiring.
						Fall protection triggered		Check the installation and replace the fall protection.
Motor	✺	○	○	○	○	Incorrectly wired motor	No movement possible	Check the motor wiring.
						Fall protection triggered (when fall protection is connected to the shared motor terminal)		Check the installation and replace the fall protection.
						Activated motor thermal protection		Wait around 10 minutes.
Rollixo RTS	☼	○	○	○	○	Waiting for motor adjustment		Set the motor end limits.
Optical wired safety edge	○	●	○	○	○	Optical wired safety edge failure	Opening ok Closed by pressing and holding down	- Check the type of safety edge connected (optical wired safety edge, dipswitch no.4 set to OFF); if the wired safety edge is resistive, move dipswitch no.4 to ON. - Check the safety edge wiring. - Check that no radio safety edge transmitter is memorised in the receiver. If a radio safety edge transmitter is memorised in the receiver, clear it.
Resistive wired safety edge	○	●	○	○	○	Resistive wired safety edge failure	Opening ok Closed by pressing and holding down	- Check the type of safety edge connected (resistive wired safety edge, dipswitch no.4 set to ON); if the connected safety edge is resistive, move dipswitch no.4 to OFF. - Check the safety edge wiring. - Check that no radio safety edge transmitter is memorised in the receiver. If a radio safety edge transmitter is memorised in the receiver, clear it.
Radio safety edge	○	●	○	○	○	Radio safety edge failure	Opening ok Closed by pressing and holding down	See radio safety edge transmitters for diagnostics. Repeat the safety edge transmitter memorisation procedure on the receiver.
	○	●	○	○	✺	Radio interference on the safety edge transmitter	Opening and stopping ok Closed by pressing and holding down: the closing movement will automatically resume when the radio interference disappears.	If a powerful radio system is present on the site (infrared detector, TV transmitter, etc.) and is transmitting on the same frequency, the receiver will wait for the transmission to end to before controlling the door again.
	○	●	○	○	○	Magnets missing if the resistive safety edge transmitter is installed	Opening ok Closed by pressing and holding down	Check for the presence of magnets and install them if required.
	○	●	●	○	○	End of life of the safety edge transmitter batteries	Opening ok Closed by pressing and holding down	Safety edge transmitter low battery indication. If the fault persists, replace the safety edge transmitter batteries.
	○	✺	○	○	○	Obstacle detection	Remove the obstacle by automatic partial opening	Check that no obstacle is causing the safety edge to detect.
Photoelectric cells	○	○	○	●	○	Cell fault	Opening ok Closed by pressing and holding down	If no cells are installed, check that the connector (terminals 18 and 19) is bridged. If cells are installed: - Check that no obstacle is cutting across the cell beam - Check the position of dipswitch no.2 in accordance with the type of cell. - Check the cell wiring.
	○	○	○	●	○	Bridged cell connector	Opening ok Closed by pressing and holding down	If no cells are installed and cell connectors are bridged (terminals 18 and 19), check that dipswitch no.1 is set to OFF.
	○	○	○	✺	○	Obstacle detection	Remove the obstacle by full automatic opening	Check that no obstacle is cutting across the cell beam
Radio	○	○	○	○	☼	Radio frame received from a recognised transmitter		

Teleco Quick Setup

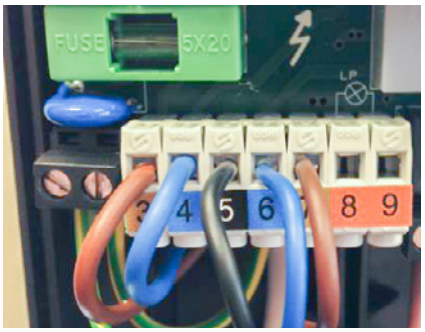
Knowing your way around the board

1. LED Lighting
2. Fuse
3. Mains
4. Motor Cable
5. Wired Edge Terminal & 8.2k Resistor
6. Alarm Sounder Socket
7. Program & Delete Buttons
8. Radio Card Slot



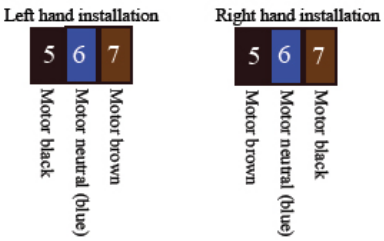
Connecting the motor cable

Left hand motor

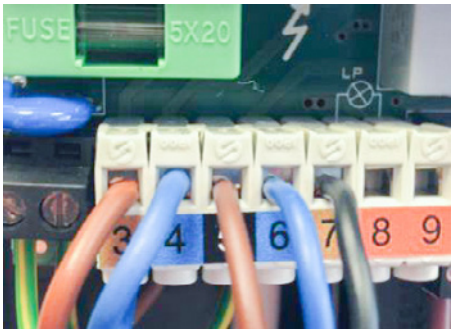


NOTE

Motor/ controller connections



Right hand motor



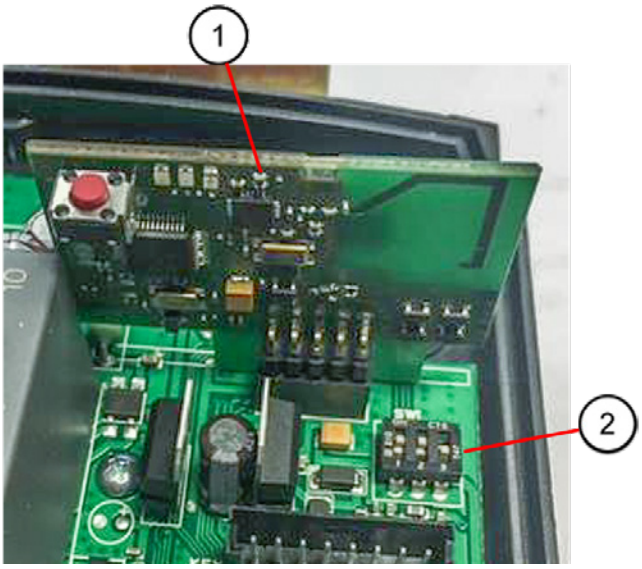
operation of the garage door is always in the up direction.

If the door is travelling in the wrong direction - Black and Brown (terminals 5 & 7) swap them round!

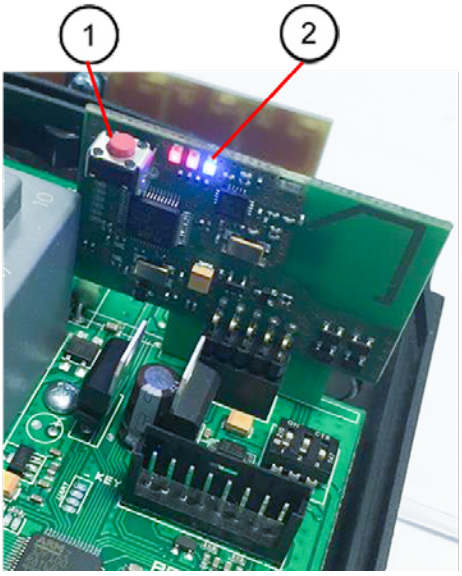
Setting motor limits

- After you have connected the motor cable to the correct orientation, turn the power on.
- The power light (next to the DEL button)should be flashing.
  (if not press both PRG & DEL buttons together for 3 seconds)
- Press and hold the DEL button and drive the door to closed position and set the limit.
- Press the PRG button and drive the door to the fully open position and set the limit.
- Once you have set the limits check the limits and then press the PRG/DEL together for 3 seconds to go back to normal running mode.

1. Radio Card
2. Control Board Dip Switches



1. Radio Card with Red Program Button
2. Blue & Red LED light



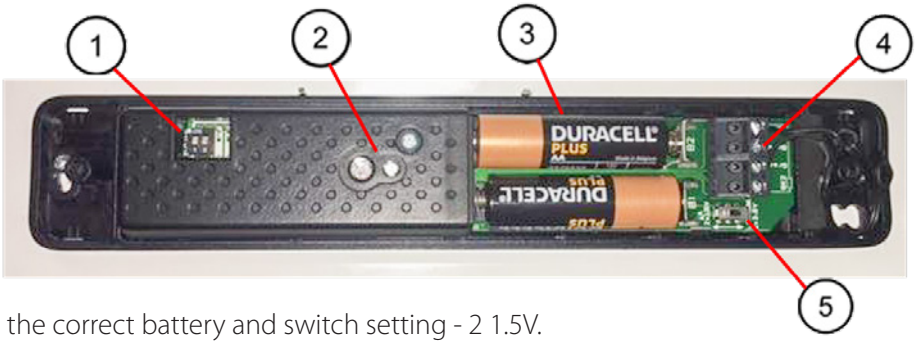
Red and Blue light indicates that the card has not been paired with the BST. When BST is paired there should only be a blue light flashing!

- Press the red button, the LEDS flash.
- Press the PRG button on the outside of the BST.
- The Blue LED light on the radio card should be flashing.

Use handsets (pre-programmed) to send the door up and down.

Bottom slat transmitter

1. Dip 1 Off & Dip 2 Off
2. Programme Button For Pairing & LED Light
3. 1.5 V Batteries
4. Terminal Block 3-6
5. Battery Section Switch



NOTE: Ensure that you have chosen the correct battery and switch setting - 2 1.5V.

- DIP1 off Dip2 off.
- Press and hold the white button to check you have power.

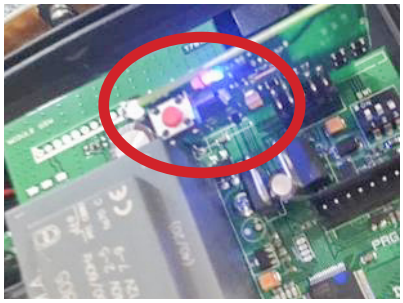
Testing the bottom slat transmitter and wiring

The bottom edge can be tested to confirm if the wiring and bottom slat transmitter are functioning correctly.

- Squeeze firmly the bottom edge rubber.

The blue light should be on as normal.

Red light on will activate upon each squeeze.

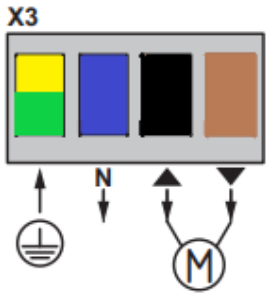


Sommer Quick Setup

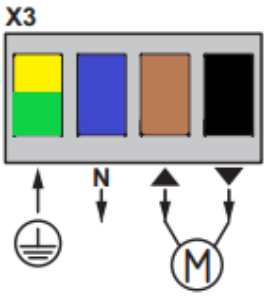
Before starting set the motors mechanical limits.

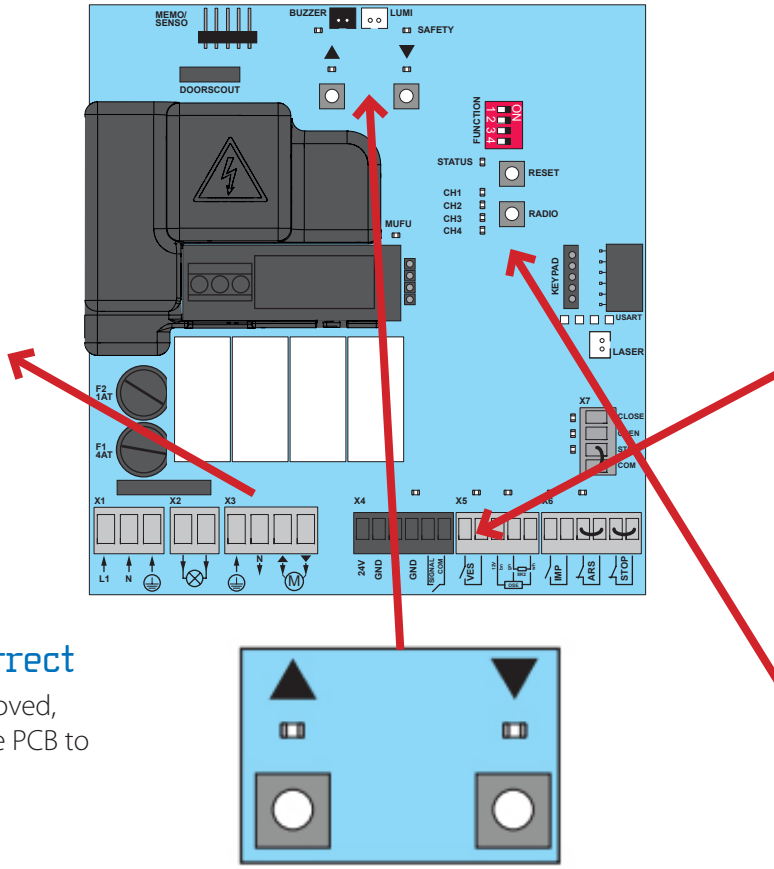
Wire the motor

Motor on the left side of the door.



Motor on the right side of the door.





Check the direction of the motor is correct

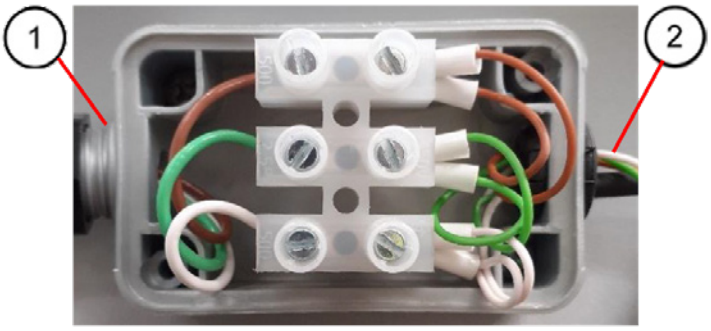
With the front cover button flat flex cable connection removed, use the up and down hold-to-run buttons at the top of the PCB to check the direction of the motor is correct.

Also use these buttons to test the top and bottom motor mechanical limits and make fine adjustments.

Wiring in the door box

1. Spiral Cable Wires
2. Pairs of Wires From Optical Safety Edge

The wiring in the door box should be as per the picture right. The brown, green and white wire pairs from the optical safety edge eyes should be wired to the corresponding brown, green and white wires of the spiral cable.



Positioning the magnets

Position the magnetic switch on the guide rail, facing the opening, at approximately 50mm from the floor.

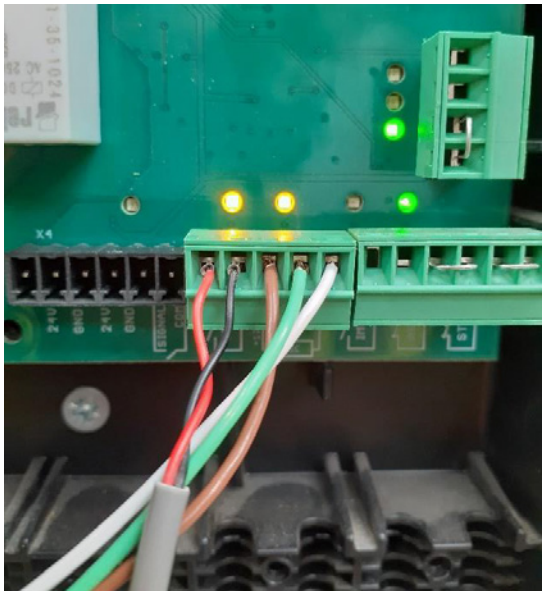
Position the magnet on the bottom lath so that it faces the switch on the guide rail when the door is closed.

Wiring the magnetic switch

The red and black cables from the magnetic switch wire into the left 2 connections on the green connector to the spiral cable marked VES.

The brown, green and white spiral cable wires should be connected as shown.

You will get a solid orange light above each connection, when the device is triggered the orange light will flash.

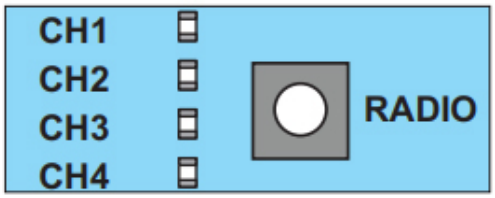


Test the safety edge

- Press the rubber edge and the orange LED above the OSE connection should flash. It will return to a solid light when the edge is released.
- Move the door to the half open position.

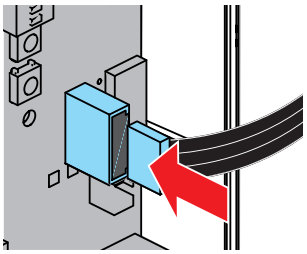
Code in the handsets

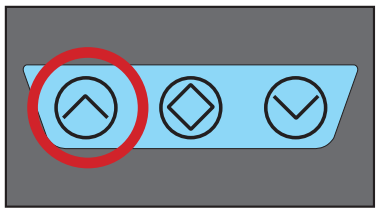
- Press the RADIO button once, CH1 lights up.
- Press the handset button needed to operate this door.
- The CH1 LED blinks and goes out.
- Repeat the above for all handsets.



Start the automatic set up

- Plug in the front button ribbon cable and fit the front cover.
- Press the UP button on the front cover to start the automatic setup. The door goes up to the top, down to the floor and back to the top.





Once done, the door will stay open and the white LEDs will be on solid.

(If the LEDs are flashing it is likely that the safety edge triggered on the floor as it is uneven. The magnetic switch should disable the safety edge for the last 50mm to prevent false triggering. Check this is operating correctly and reposition if needed.)

If the version of RCD Vision+ you have includes the Alarm buzzer accessory in the top of the housing, the magnetic switch also triggers the alarm.

- With the door closed and power on, lift the curtain by hand or use the emergency manual winding handle to raise the door. As the magnetic switch is trigger in the up direction, the RDC recognises that it is not the motor that is raising the door, so sounds the alarm.
- To silence the alarm, press the button on one of the coded handsets.
- Test the door and make sure the safety edge responds correctly to an obstacle.

NOTE: The edge should be tested at least once a month.

Operating Instructions

Electrically Operated Products

Under UK Legislation the garage door should be operated when it is in view (unless fitted with additional safety equipment e.g. for smart phone operation), making sure it is not obstructed. Ensure when the door is running, that you and any other person stands clear of the curtain and keeps hands etc. away from the moving parts. Children should not operate the door or play nearby an opening door.

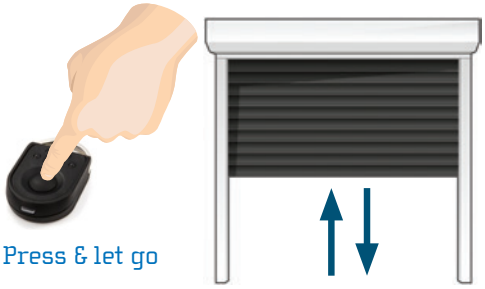
Control Unit

Please note the front of the control unit should only be removed by a trained engineer. Your garage door can be activated by pressing and releasing the buttons on the front of the control unit, the button on your remote handset, or a separate wall switch that you may have installed.

Hand Transmitters

The transmitters are fitted with buttons and when any button is pressed the LED illuminates.

The buttons on remotes can be programmed to suit your requirements (dependent on handset type). The default setting is one button operation that allows you to lift, stop and close the door.



Press & let go

PLEASE NOTE

When opening or closing the garage door you must monitor the product until it has completed its operation. If the product is fitted with a safety device this could be activated during its operation which would cause the door to stop and reopen a short distance leaving the door partly open.

Batteries

The expected life span of batteries is 2 years; however high usage of the door will lead to a decrease in this. Batteries are not covered under warranty.

Press & hold

This type of operation is required for "dead man mode", see the note*** at the foot of page 7 for an explanation of its use.

Safety & the Safety edge

The Safety Edge is fitted to the bottom of the door and is activated when the door starts to close. If it comes into contact with an object while the door is closing, it transmits a signal to the wall mounted control unit, the door will then stop and reopen a short distance. The safety edge also works as a weather seal, designed to be pressed against the ground. The bottom slat transmitter\cable has an IP rating of IP54 and is protected against dust and water splashing. The standard remote control receiver unit is supplied with either an electrical wireless safety edge or optical wired safety edge.

Power Failure

Electrically Operated Products

If your roller garage door is not working correctly please contact your installer for assistance. N.B: Always isolate the power before attempting to make an adjustment or repair. Untrained operators are advised to contact an approved installer.

Power failure

In the event of disruption to the power supply, or the motor temporarily over heating (the motor is protected by a thermal cut out), the door can be operated manually. Isolate power supply before using the manual override.

To operate: Hold crank handle in line with eye and rotate handle until the door reaches the open/closed position.

If the door is not used during the power failure then no action has to be taken as the unit will reset itself when the power is restored.

Important

If the garage has no service door then an exterior release kit should have been fitted to allow emergency opening from outside. Follow instructions supplied with that kit.

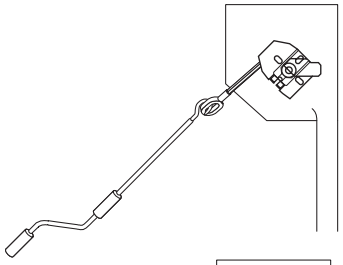
Note

When closing the door manually ensure that the locking joints are set in the fully closed position to ensure security.

Insert the hooked end of the winding handle into the override eye; this is projecting downwards from the drive motor at one end of the curtain roll, rotate the handle to operate the door to open or close.

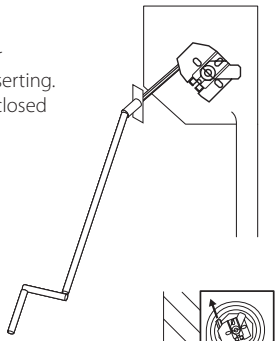
To operate:

Hold crank handle in line with eye and rotate handle until the door reaches the open/ closed position.



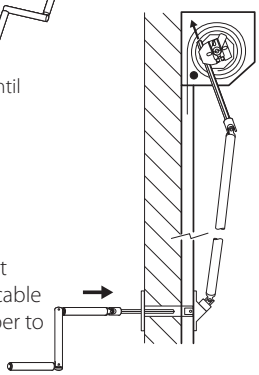
To operate:

Externally fitted doors will need the cover cap or override lock removing and the crank handle inserting. Rotate handle until the door reaches the open/closed position.



To operate:

Remove lock and insert crank handle and rotate until door reaches the open/close position.



DO NOT OVERWIND

When the main power is reinstalled, ensure that the power isolator is switched back on. If applicable secure the handle back onto the wall. Remember to keep the crank handle in a convenient place.

EC DECLARATION OF CONFORMITY - CUSTOMER COPY

THE SUPPLY OF MACHINERY (SAFETY) REGULATIONS 1992

Model: _____ Serial Number: _____

Size (W x H): _____

Installed By: _____

The above power operated door (door, operator, safety devices, etc.), has been assembled, installed, connected and tested in accordance with the manufacturer's instructions, at the following site address and is in conformity with the provisions of the Machinery Directive (89/392/EEC as amended by 91/368/EEC and 93/336/EEC), the Low Voltage Directive (73/23/EEC) and EMC Directive (89/336/EEC).

The Transposed Harmonised Standards used in the design of the above door are as follows: EN 13241-1:2003, & 12453:2001.

Site Address: _____

_____

Declaration (made by installation engineer):

Signature: _____ Print name: _____

Date: _____ Tel: _____

Declaration and instructions received by:

Signature: _____ Print name: _____

Date: _____ Tel: _____

EC DECLARATION OF CONFORMITY - INSTALLER COPY

THE SUPPLY OF MACHINERY (SAFETY) REGULATIONS 1992

Model: _____ Serial Number: _____

Size (W x H): _____

Installed By: _____

The above power operated door (door, operator, safety devices, etc.), has been assembled, installed, connected and tested in accordance with the manufacturer's instructions, at the following site address and is in conformity with the provisions of the Machinery Directive (89/392/EEC as amended by 91/368/EEC and 93/336/EEC), the Low Voltage Directive (73/23/EEC) and EMC Directive (89/336/EEC).

The Transposed Harmonised Standards used in the design of the above door are as follows: EN 13241-1:2003, & 12453:2001.

Site Address: _____

_____

Declaration (made by installation engineer):

Signature: _____ Print name: _____

Date: _____ Tel: _____

Declaration and instructions received by:

Signature: _____ Print name: _____

Date: _____ Tel: _____