



WESSEX 'HOMELIFT'

VM RANGE



USER MANUAL



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RECORD OF REVISIONS

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1. INTRODUCTION

Thank you for deciding to purchase the Wessex Homelift. The Wessex range of Homelifts combines the latest technology and design, making them easy to use and less obtrusive in your home, whilst offering long service and reliability.

The Wessex Homelift is a direct acting hydraulic lift designed for single person use in a domestic dwelling. When travelling in the lift car, the person must be either seated or in a wheelchair. There are eight lift types available:

- VM30 compact non-wheelchair model 3m maximum travel height.
- VM31 wheelchair model 3m maximum travel height.
- VM36 large wheelchair model 3m maximum travel height.
- VM38 largest wheelchair model 3m maximum travel height.
- VM50 compact non-wheelchair model 3.5m maximum travel height.
- VM51 wheelchair model 3.5m maximum travel height.
- VM56 large wheelchair model 3.5m maximum travel height.
- VM58 largest wheelchair model 3.5m maximum travel height.

Wessex Lift Co Ltd has extensive experience in providing products that aid mobility and is the pioneer of the majority of today's domestic lifts. With this background and many years experience in the manufacture and installation of Vertical Lifts, Wessex is clearly the most experienced company in the market place today. Our in-depth knowledge of associated building and electrical work and management expertise ensures that installations are completed with the minimum of inconvenience.

This instruction manual will help you become accustomed with your lift.

- We ask that you study this manual and become familiar with the step by step instructions.
- Ensure that a nominated person is also familiar with the instructions, especially the operating procedures in the unlikely event of a breakdown.
- Keep the manual in a safe place for future reference together with the electrical wiring diagram.
- The door release key should always be kept clipped in its place inside the lift car on the opposite side to the control console.
- The powerpack key and call station keys (Optional) should be kept in a safe place.



2. SAFETY NOTES

Children must not be allowed to tamper or play with the lift or tracks. Joyriding is dangerous. It is strongly recommended the key-switch option is fitted when young children are in the dwelling or likely to visit. The lift controls can then be turned off by the wall mounted control stations, and the key removed to prevent unauthorised use.

Children must be supervised at all times when the lift is in use.

During travel do not impede the car or aperture board. Ensure that all persons, especially children and pets, are kept clear of the lift prior and during travel. Obstacles must not be placed on the aperture board or beneath the car.

IMPORTANT! Keep all parts of your body inside the lift at all times, and do not lean out of the lift. Please remain seated whilst travelling in the lift.

2.1. SAFE WORKING LOAD

The **MAXIMUM** safe working load of the lift is 250kg. Never exceed this capacity.

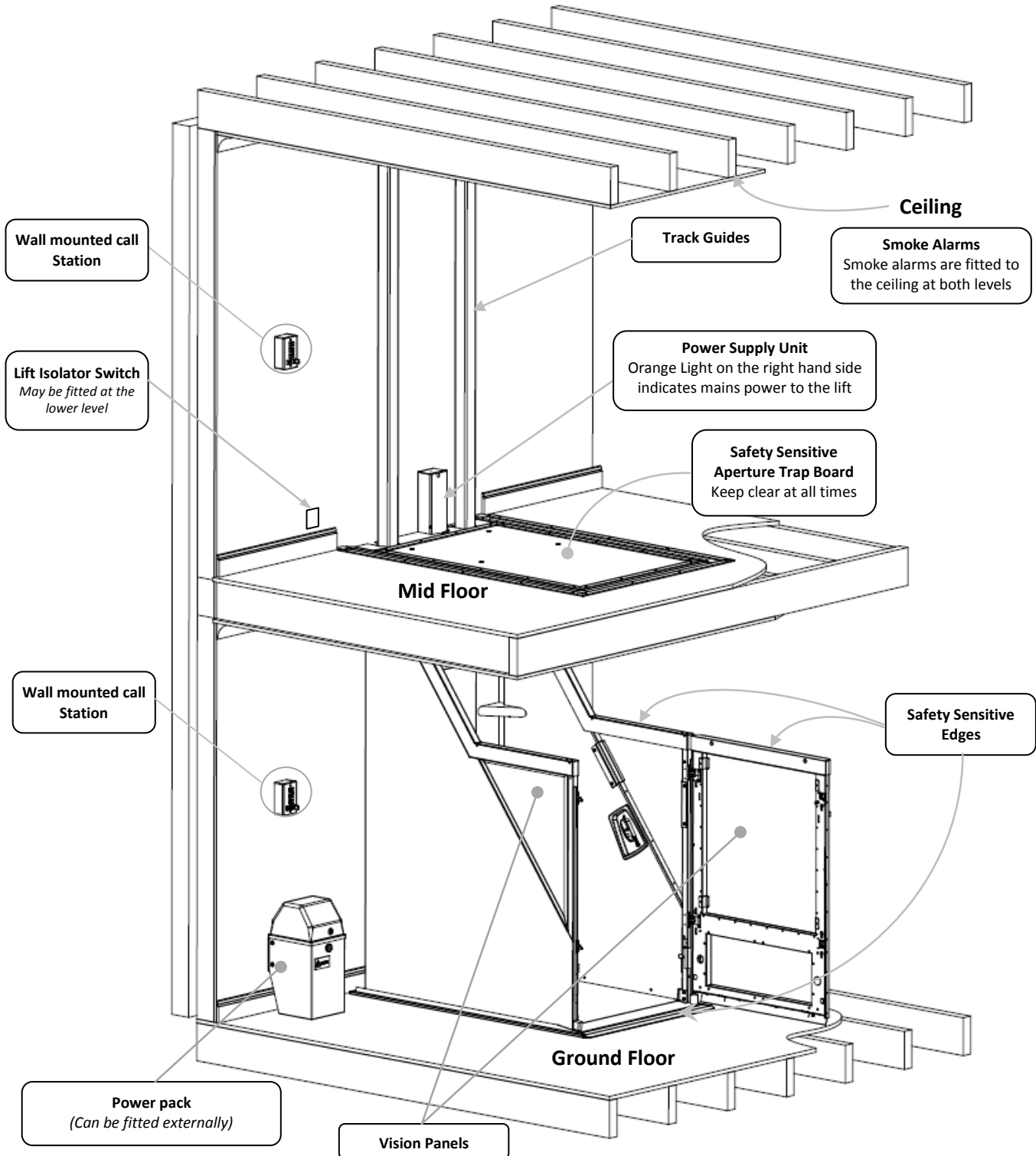
The lift must never be used for anything other than the intended use. It must never be used for transporting furniture or any other type of goods.

The safe working load of the aperture trap board is 250kg, uniformly distributed. Never place furniture, ladders or any permanent loads on top of the trap board. It must be kept clear at all times.

It is important that the aperture trap-board is *not made wet* in any way as this may change the strength characteristics of the board and cause a potential hazard. A weakened trap board will need to be replaced.

The seat has a safe working load of 150kg. (Option)

2.2. HOMELIFT – Sketch of Typical Installation.



Note: Arrangement is subject to change without notice.



3. LIMITED WARRANTY

This Wessex product is warranted to be free from defects in materials or workmanship for one year (unless an extended warranty has been purchased) from the initial date of installation. Within this period, Wessex will at its discretion, repair or replace any components that fail in normal use. This warranty does not cover failure due to abuse, misuse, accidental or unauthorised alterations or repairs.

To obtain a warranty repair, contact the Wessex Lift Co Ltd Customer Care Department using the numbers shown below. In the event of a problem the unit should be isolated to prevent further use.

Wessex Lift Co Ltd
Budds Lane,
Romsey, SO51 OHA, UK

Tel. (+44) 01794 830303
Fax. (+44) 01794 512621



4. LIFT FEATURES

The lift can be configured to include a variety of options to suit your requirements, the following section details the features that are available for this product, and gives a brief overview into their function and operation. *Please note some of the options may not be installed on your lift.*

4.1. Audible Alarm – Fitted as standard on all Homelifts, this feature provides a means of raising attention in the unlikely event of a breakdown and or when the user could be trapped inside the lift car. The alarm is mounted in the car on the control console. (See section 5 for more details)



Alarm Button

4.2. Vision Panels – The lift car has vision panels as **standard** in the sides and door. This gives an airy feel to the lift and reduces the amount of light loss when using the lift.

4.3. Safety Devices – There are several safety features that are included as **standard** on your Homelift. These are as follows: -

4.3.1. Aperture Board Sensitive Surface – If during raising or lowering of the lift, the aperture board is impeded in any way, the lift will **STOP** immediately. This is achieved by the built in safety systems which are integral to the design of the lift.

4.3.2. Car Sensitive Safety Edges – The upper edges of the lift car (sides and top of door) are protected by sensitive devices that **STOP** the lift immediately if any obstruction is detected whilst the lift is travelling upwards.

4.3.3. Under Lift Platform Sensitive Surface – The underside of the lift has a pressure sensitive surface, which is designed to **STOP** the lift if an obstruction is detected. This feature has been incorporated to protect small children in the event that they walk into the lift area during descent. This platform will also stop the lift when it's travelling upwards, if the platform is pulled down.

All of the above safety devices are integral to the lift and make the Homelift intrinsically safe in any given application.

4.4. Finishes – The interior and exterior metalwork of your Homelift is coated in a hard wearing powder coat which will provide protection against knocks and daily usage.

The colour of your lift is pearl grey and this is complemented by lavender coloured ABS panels which are fitted to the rear and sides within the car.

The floor is coated with an anti-slip finish which will aid traction of wheel chairs and provide a hardwearing surface. It can be easily cleaned with a stiff brush if required.



4.5. Door – The door can be either powered (**Optional**) or manual (**Standard**) depending upon the options you have selected. The lift will only function if the door is properly closed and interlocked. It cannot be opened between floors, (except in an emergency). A powered door will open or close automatically when the blue door button is pressed, and stop in the open or closed position. A manual door has to be physically pushed open or closed after pressing the blue door button, or pressing the door safety edge down.

4.6. Electrical Features – The lift operates on a dedicated 240Vac supply that is protected by an RCD. The supply voltage is transformed to provide all control buttons with a low voltage 24Vdc supply.

4.7. Emergency Features – The Wessex Homelift contains several facilities for dealing with emergency situations which may be caused by external influences such as power failure etc. These are as follows: -

4.7.1. Battery Back-up Features – In the event of an electricity supply failure/power cut, the following lift functions will continue to be in operation: -

- Emergency Lowering Button
- All Safety Devices
- Powered Door (If fitted)
- Stop Buttons
- The Alarm
- Manual Door Lock
- Integral Lighting

4.7.2. Emergency Lowering by Lift User – Should the lift stop, due to a power failure, an emergency in-car lowering button will illuminate. This will allow the user to lower the lift to the ground level by simply pressing this button.



Emergency Lower

4.7.3. Emergency Lowering at Powerpack – In extreme cases it may not be possible to lower the lift using the emergency lowering button as mentioned above. Therefore, means to do this is provided in the power pack unit itself. (See troubleshooting section 6.4)

4.7.4. Hydraulic Pipe failure – In the unlikely event of an oil pressure pipe failure, a safety valve will immediately stop the lift.

4.7.5. Smoke/Heat Alarms – Mains powered (*battery backed*) smoke alarms are supplied and fitted. These are connected to the lift. If smoke is detected the alarms will emit an audible warning and render the lift inoperative, to prevent its use.

If smoke is detected whilst you are travelling in the lift, it will continue its journey in the direction of travel and stop at the intended level. You can change direction mid-travel if you wish by pressing the stop button, followed by the desired green button. Once the lift reaches the intended level you will be able to open the door and exit the lift as normal. The lift will then become inoperative to prevent its use.



If the lift is parked at the first floor or the ground floor and smoke is detected, the lift will remain stationary and become inoperative.

Please refer to the smoke alarm manufacturer's instructions regarding their operation, testing and service requirements.

Do not use the lift during a fire.

How to operate your alarms

A minimum of two alarms are fitted. The alarm type varies depending on the room served.



1. Test the alarms weekly by pressing the 'Test' button. All alarms should sound.
2. Regularly check that the green mains light is on. The red light on the cover of the alarm should flash approximately once per minute.
3. Keep your alarms clean. The units may be cleaned externally with the narrow nozzle attachment of a vacuum cleaner and wiped down with a clean damp cloth.
4. Do not paint your alarms. This may cause it to false alarm and may damage the components inside.
5. Ensure that you cover the alarms with the dust covers supplied when re-decorating or any building work is in progress.
6. If the alarm should emit a single "beep" approximately once per minute, either the battery or the unit is due for replacement.

4.8. Fire Sealing – All models incorporate a fire seal which is effective when the lift is parked at the first floor level or the ground floor level. Wessex Lift Co Ltd recommends that the lift is parked at either the first floor level or ground floor level when not in use.



4.9. Design Features – There are several design features available to help the user operate the lift, these include the following. Please note that not all are applicable and are dependent on the model and options selected at the point of sale.

4.9.1. Door Closing Strap – A textured rope type pull cord is fitted to all manual doors as standard to allow the door to be closed easily from within the lift.

4.9.2. Grab Handles – With front or side mounted positions available, these handles allow the user points on which to ease themselves into the lift car.

4.9.3. In-Car Lighting – Internal illumination of the lift car is provided which automatically switches off when the lift is not in use. The lighting is operational via battery back up in the event of a power failure. This is fitted as standard.

4.9.4. In-Car Seating – An in-car seat option is available. Maximum rated load of the seat is 150kg. The seat can fold up neatly away by simply lifting the front edge of the seat up until it is in the vertical position.

4.9.5. Lap Strap – Where in-car seating is selected a lap strap with quick release buckle can be offered to suit.

4.9.6. Wireless Controls – Wireless controls are available.

4.9.7. Telephone – An in-car telephone option is available.

4.9.8. Autohoming – An autohoming option is available. This will automatically send the lift to the upper level after a set period of time when the door is in the closed position. (*'Homed' position*).

4.9.9. Auto-Door Closing – An auto-door closing option is available. This will automatically close the lift door after a set period of time.

4.9.10. In-Car Key-Switch – An in-car key-switch option is available. This will disable the up, down and stop button on the in-car control panel. **This option must only be used if the user of the lift is not physically or mentally able to use the in-car controls. The lift must be supervised at all times when in use.**



4.10. Illuminated In-Car Controls – For ease of identification all control buttons within the car are illuminated. Each button controls the function/operation of the lift. To aid the user, the buttons that are illuminated are the only buttons that can be operated at that time. The lift unit has in-built logic based on its location.



If, for example, you are at the upper level, the green up arrow will not be illuminated because the only travel options available to you are to either open the door or to go to the lower level.

The reverse applies if you are at the ground level. These features are designed to get you up and running with the minimal amount of training possible.

A more detailed explanation of operation is given in section 5.

Fig 4.10 - In Car Control Console

4.11. Wall Mounted Call Stations – Wall mounted call stations are positioned at the upper and lower levels. They are used to call the lift, or send it to a parked position. On lifts with a powered door, the call station is also used to open and close the door. *(Powered door is optional)*

There are two main types of call station:

- 1. **Hard-wired call stations**
- 2. **Wireless call stations**

Please make yourself familiar with the type of call station you have. Further detail is provided on the following pages.

4.11.1 Call Stations (hard-wired)

Hard-wired call stations attach to the wall. They are wired directly to the lift. A two way personal key-switching facility can be provided on hard-wired call stations only, if required. This prevents the up and down push-buttons from operating the lift (see **Figure 4.11.1** below). Please note there is no specific on or off position for the key.



Fig 4.11.1 - Wall Mounted Hard-wired Call Station (Key-Switch and Power Door Option)

4.11.2 Call Stations (wireless) – Wireless call stations clip to a bracket attached to the wall. If desired, they can be unclipped from their bracket and used as a portable handset. Additionally, once unclipped, the handset can be placed in a secure location to prevent unauthorised use. Take care not to misplace the handset. In the interest of safety, we recommend the handset is retained on its wall bracket while the lift is in use.



Handset wall bracket

Rear of handset showing clip

Fig 4.11.2 – Wireless Call Station

5. OPERATING INSTRUCTIONS

5.1. Homelift Control Buttons – The diagrams below are typical arrangements for the layout of the in-car controls and wall mounted call station for your Homelift. It is recommended that you study the diagrams to make yourself familiar with each of the controls. The design of your Homelift is intended to be straightforward in terms of its operation.

5.1.1 In-Car Control Buttons

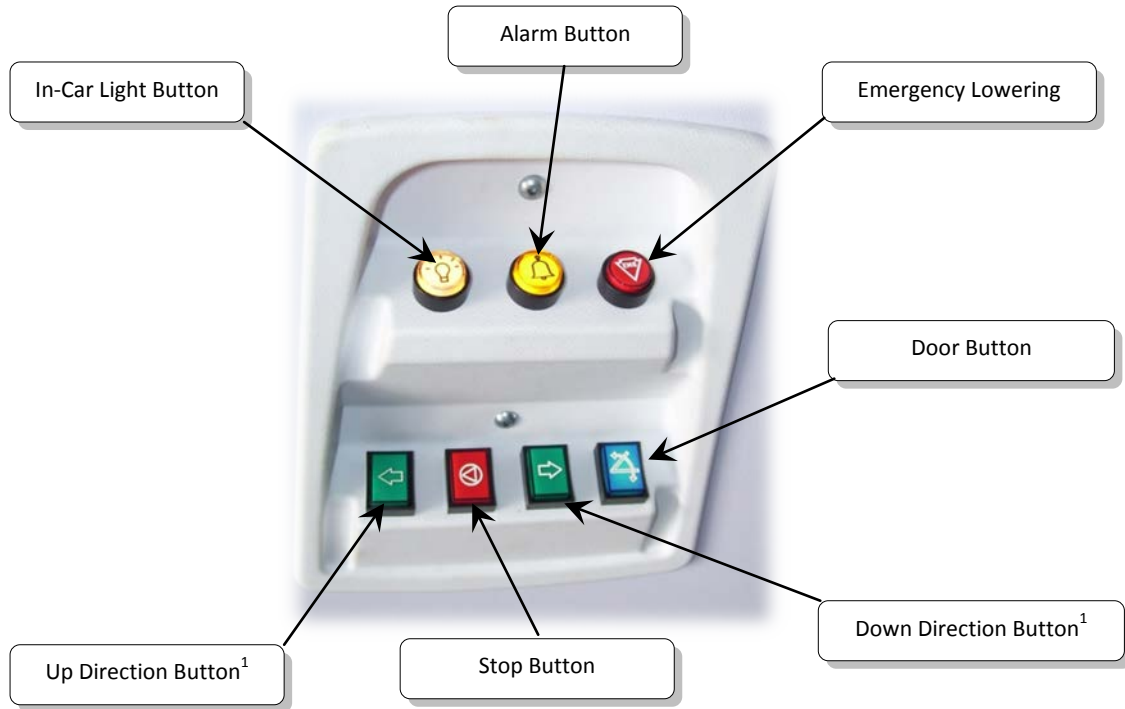


Fig 5.1.1 - Layout of In-Car Control

Note 1: Up and Down buttons may be reversed; depending on which side the In-Car Control Console is mounted.

5.1.2 Call Station Buttons (hard-wired)

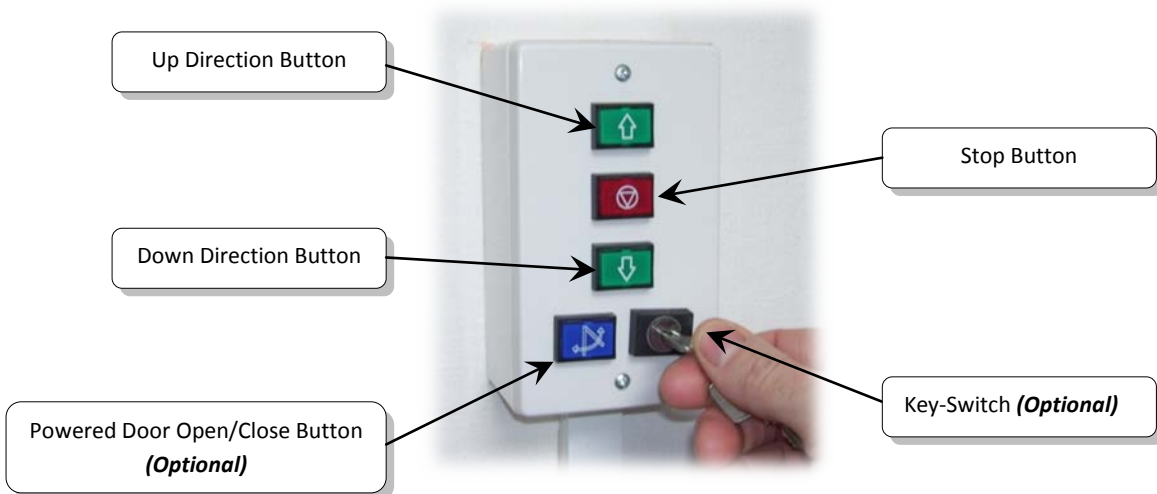


Fig 5.1.2 –Wall Mounted Hard-Wired Call Station

5.1.3 Call Station Buttons (wireless)

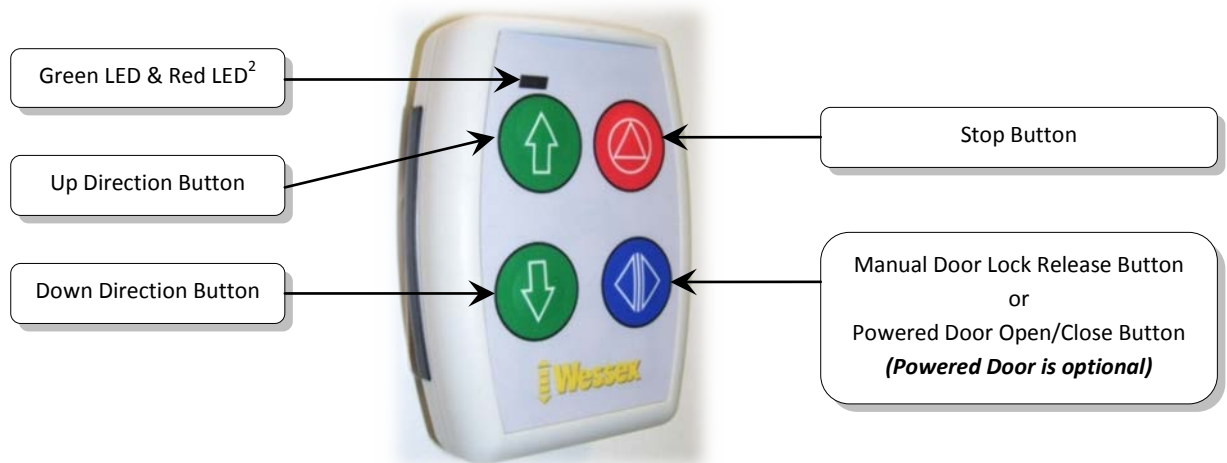


Fig 5.1.3 – Wireless Call Station Buttons

*Note 2: The Green LED illuminates only when a button is pressed.
When the batteries are low, the Red LED will flash for 5 seconds after a button is pressed.*

5.1.4 Wireless Call Station Battery Replacement

Each wireless call station requires three AAA batteries. We recommend the batteries are replaced annually by your service provider, or another competent person. To replace the batteries, remove all six screws on the rear of the handset for access to the battery holder. Then remove the two screws from the battery holder (see **Figure 5.1.4** below). When reassembling, take care not to pinch any wires between the casings.

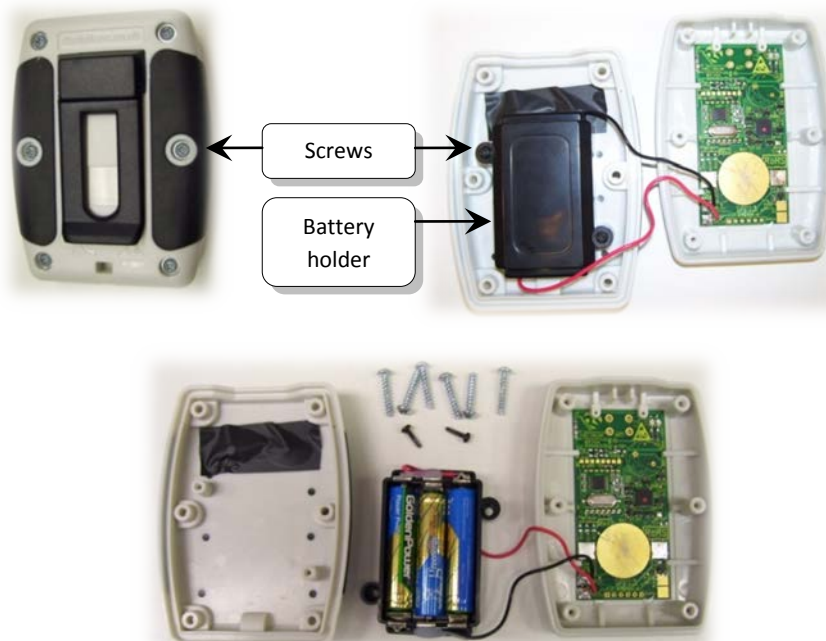


Fig 5.1.4 – Wireless Call Station battery replacement



5.2. Calling and entering the Lift – the following sequence assumes the lift is parked at the upper level, and the key-switch (if fitted) has been turned off, and you are at the lower level. Keep clear of the lift while it is in travel. Keep clear of the door while it is opening and closing.



- Insert key and turn the key-switch (If fitted) on the wall mounted call station (See Fig 5.2).
- Ensure you are clear of the lift.
- Press and release the Down (**Green Arrow**) direction button.
- The lift will descend to the lower floor level and automatically stop.



Opening the Door



- **For manually operated doors** - press the door safety edge (on top of the door) and gently pull the door open. At this point all the lights in the car will illuminate.
- **For powered doors** - ensure you are clear of the door, press and release the **Blue** door button on the wall mounted call station. At this point all the lights in the car will illuminate and the door will open.

Notes: A powered door can be opened manually by following the manually operated door instructions. It will require a small amount of force to disengage the driving mechanism. This must be manually re-engaged before the power door will operate again.

WARNING! Do not lean on the safety edge without opening the door otherwise the lift will not operate. You will need to reset the door by opening and closing the door if you do this.

Entering the Lift (with Seat)

- Enter the car and use the seat provided. Use the lap strap if fitted. (Option)

Entering the Lift (Wheelchair Model)

- It is recommended that you reverse the wheelchair into the car wherever possible.

Closing the Door – Manually

- The door can be closed by pulling the door closing strap until the door latches shut. The door must be fully closed and latched before operating the lift otherwise the lift will not function; this is part of the inbuilt safety mechanism.

Closing the Door – Powered Option



- Press and release the **Blue** door button and the door will close and lock automatically.



5.3. Travelling to the desired floor level.

The door must be closed and locked before the lift will travel. The stop button will illuminate to confirm the door is closed and locked. There may be a small time delay after closing the door for this to occur.



- Press and release the direction (**Green arrow**) button to travel, the lift will start to move.



Note: The stop button can be used at any point during travel if required.

5.4. Changing Direction of Travel

If you wish to return to the floor that you have just departed from, mid journey, you can simply stop the lift by: -

- Pressing and releasing the Stop button. The lift will stop.
- After a 3 second delay, the Up and Down (**Green Arrow**) buttons will illuminate.
- Press and release the appropriate direction button, the lift will travel to the selected level and automatically stop.

5.5. Vacating the lift

Once the lift has arrived at the desired level the door can be opened.

Opening the Door – Manually

- The door can be opened manually by either, pressing and releasing the **Blue** door button and gently pushing the door open.
- Or by pressing the door safety edge down and gently pushing the door open.

Opening the Door – Powered Option



- Press and release the **Blue** door button and the door will open automatically.

Move forward and exit the lift. Close the door either manually, or by pressing and releasing the **Blue** door button on the wall mounted call station. Ensure you are clear of the door, before pressing a call station button to close a powered door.



5.6. After Use

When the lift is not in use, Wessex Lift Co Ltd recommends the lift is parked at the first floor level or ground floor level. This ensures the fire seal is maintained between the lower and upper levels. To do this press and release the up or down direction button (**Green Arrow**) from the wall mounted call station. The lift will travel and stop automatically.



When the lift has stopped, turn the key-switch (if fitted) to prevent unauthorised use.

5.7. Use of the alarm



In the event of an emergency and if assistance is required, press and hold the alarm button.

Please note this will only alert someone within hearing distance of the lift.

5.8. Courtesy Lights



The lift car is fitted with courtesy lights which will illuminate in the following situations: -

- When the door safety edge is pressed.
- By pressing and releasing the In Car Light push button (see Fig 5.1).
- When the *Blue* door button is used.



After calling the lift and within a set period, the lights will automatically go out. They will illuminate again when the door is operated.



6. TROUBLESHOOTING

Check the following if the lift will not operate:-

- Open and close the door. Ensure it is fully closed and locked.
- There are no obstructions under the lift.
- There are no obstructions on top of the aperture trap board.
- Turn the key-switch if fitted. *(Please note there is no specific on or off position)*
- The orange light on the power supply unit is illuminated. *(Refer to Section 6.1.)*

6.1. Electrical Power Failure

The orange light on the right hand side of the power supply unit is illuminated when there is mains power to the lift. *(Reference page 7)* If the orange light is not illuminated check the following:-

- The lift isolator switch is on and the fuse is ok. *(This should be located near the lift)*
- The main distribution lift circuit breaker and RCD are both switched on.

In the event of a power failure the lift has a battery back-up feature that enables the following features to operate: -

- Lift lights
- Lift alarm
- Door operation
- Descent using the in-car emergency lowering button
- Lift safety edges.

Please note the self levelling device will not function *(refer to note below)* in the event of mains power failure. A 'Shoot Bolt' safety device restricts the distance the lift can creep down when the lift is at the first floor position. If the lift is left for a long period of time with no mains power, it will stop on the shoot bolt and can NOT be lowered by either the battery backed emergency lowering, or the manual emergency lowering. The lift can only be re-used when the mains power returns.

The lift is fitted with a self-levelling device. When the lift is left at the upper level it will gradually creep down a maximum of 25mm, the lift will then automatically re-level to the upper level. If the lift creeps up when at the upper level, it will automatically re-level down to the upper level.

6.2. Door Opening Failure

Both manual and powered doors can be opened from the inside or outside of the lift car by using the door release key supplied with the lift. See Figure 6.2.

For safety reasons it is recommended that the door release key should be used by someone stood externally from the lift. It should **NEVER** be used from inside the lift car if the lift car is not parked at the landing level.

To open the door; use the following procedure: -

- Ensure that the lift is either positioned at the ground floor or the upper landing level.
- Place the key in the bottom of the slot in the door panel and gently push and lift up as in Fig 6.21
- Gently push or pull the door open whilst holding the key.

Safety Note:

In the interests of Health & Safety, please ensure that the Door Release Key is never left in the lock access hole. To guard against this, the key is fitted with an integral spring.

It is recommended that the key is stored opposite the control console as shown in Fig 6.2.



Fig 6.2 Door Release Key - (Opposite In Car Call Station)



Fig 6.21 Door Release

6.3. Emergency Lowering (Using In-Car Controls).

If your Homelift has been rendered inoperable due to a power failure, it can be lowered using the emergency lowering button inside the car. This can be achieved by following the procedure below: -

- Ensure the ground floor is clear of any obstructions, if you are unsure you may need someone to check for you.
- When the floor area is clear press and release the emergency lowering button. (**Figure 6.3**) The lift will descend to the ground level and automatically stop. You can now vacate the lift car.

Note: All safety devices are still operational.



Fig 6.3 - Emergency Lower Button

6.4. Manual Emergency Lowering at the Powerpack

This procedure below must be carried out by a trained and competent person and only used if the procedure given above in 6.3 fails to work. **Note: This procedure will only work if the lift is at least 50mm below the upper level.**

- Ensure both the ground floor area underneath the lift and upper floor level around the lift is kept clear from any children, pets or other obstructions.
- The lift must be under constant surveillance whilst this procedure is carried out.
- Ensure the electrical supply to the lift is switched off.
- Open the lid of the powerpack using the key provided with the lift. (**See Fig 6.4**)
- Pull the red knob as shown (**See Fig 6.41**) and the lift will begin to lower, releasing the valve will stop the lift.
- When the lift has reached the ground level the door can be opened and the user can vacate the lift.



Fig 6.4 – Powerpack



Fig 6.41 - Lowering Valve

WARNING! Safety features will not work when manual emergency lowering is used.

Safety Note:

Important before starting any of the procedures mentioned above, ensure the area beneath the lift is clear of any obstructions



7. SERVICING & INSPECTION

When installed your lift would have been commissioned and inspected to ensure safety and reliability. The Wessex Homelift should give you many years of service as long as regular maintenance is correctly carried out. Failure to do this could lead to unreliable or unsafe operation.

The Homelift is guaranteed for 12 months, unless you have purchased an extended warranty at the same time as purchasing your Homelift. Alternatively, you may wish to establish a maintenance agreement that will provide for routine servicing for a period of time thereafter.

Wessex Lift Co Ltd, recommend that the Homelift is checked and serviced every 6 months. Safety-related components must only be adjusted and reset by a competent person.

The lift must be serviced to the BS 5900 schedule, in addition to this Wessex Lift Co Ltd have routine check lists and lubrication schedules which includes checks on the following: -

- Suspension member checks.
- Safety-interlock checks.
- Electrical integrity checks.
- Hydraulic safety valve checks.
- Hydraulic leakage checks – (e.g. hoses and fittings etc.).
- Lubrication.
- Screws and Nuts (as applicable).

For all enquiries regarding service please contact the Wessex Customer Care Team at

Wessex Lift Co Ltd,
Budds Lane,
Romsey,
Hampshire,
SO51 0HA.

Tel: +44 (01794) 830303

Fax: +44 (01794) 512621

E-mail: repairs@wessexlifts.co.uk

Web: www.wessexlifts.co.uk



8. ROUTINE CARE AND MAINTENANCE

To ensure that your Homelift continues to offer reliable service and continues to keep its appearance it is recommended that routine cleaning of the unit is carried out as required. The Homelift can be treated as any other normal household appliance.

Before carrying out any cleaning work it is important that the main supply is switched off to the lift. This is located adjacent to the lift.

- A variety of household cleaners can be used to clean your Homelift, but please be sure that you **do not use abrasive cleaners** of any form and that the cloth used is damp and **not soaking wet**. Please read the cleaning product label before applying to the Homelift.
- It is important that the aperture 'in fill' or trap-board is **not made wet** in any way as this may change the strength characteristics of the board and cause a potential hazard. A weakened trap board will need to be replaced.
- Transparent vision panels can be cleaned with a household glass cleaning product. **Do not use abrasive cleaners** and again please read the product label before applying to the Homelift.

Important safety note

Do not under any circumstance paint the lift or the guide tracks as this could seriously impede the sliding mechanism and therefore the running of the lift. Additionally, any such action will render the warranty void.



9. EMERGENCY BREAKDOWN SERVICE

Contact your service provider if the lift is outside the warranty period and is different from Wessex Lift Co Ltd.

Wessex customer service department is manned between 8.15am to 5.15pm, Monday to Friday (except public holidays) and field service engineers operate during the same hours.

An engineer will normally visit site within 24 hours (Monday to Friday) to attend a breakdown call, provided the equipment is covered by the warranty or the user (or any agency responsible for the maintenance of the equipment) agrees they will cover any costs incurred.

Calls for assistance outside normal office hours will be handled by our emergency cover service, and every effort will be made to attend such calls within a reasonable time scale (i.e. within 24 hours) – however there is no guarantee an engineer will be available during these hours.

During normal office hours telephone: 01794 830303. A member of staff will record the details of your request and initiate the necessary actions to resolve the problem.

Outside normal office hours telephone: 01794 830303. The operator will take your details and pass this information to the supervisor, who will then contact you by telephone to fully assess the problem, and to offer a suitable level of technical assistance to minimise the immediate difficulties being experienced. Where necessary and feasible the supervisor will make suitable arrangements for an engineer to attend site as soon as possible to effect repairs.

The supervisor will ensure contact with an engineer is always available outside normal office hours. The operator has facilities to contact all of these people as appropriate.

For further information on breakdown cover and servicing please contact Wessex Lift Co Ltd or your service company.



10. CHANGE OF USE

During the useable life of the Wessex Homelift it may be possible that circumstances change and hence the function of the lift may not be suitable to the new situation. Examples of this are: -

- A change of type and weight of wheelchair.
- A change in the user's ability.
- A change in user.
- An installation at another site.
- A change in duty cycle (number of journeys per hour).

Any such changes to the use of the lift must be discussed with Wessex Lift Co Ltd who will be best able to advise whether any alterations to the installation will be required.

10.1 Dismantling

If dismantling of the Wessex Homelift is required, this should be done by a competent person who has been fully trained in its installation and is qualified to provide safe disconnection from the mains terminal.

Personnel dismantling the Wessex Homelift must wear appropriate personal protective equipment and have a spill kit to hand as a precaution. Waste items and fluids must be disposed of in an environmentally safe manner.

11. SAFETY INSTRUCTIONS FOR MAINTENANCE PERSONNEL

The Wessex Homelift is a combination of electrical, mechanical and hydraulic systems. All maintenance activities, including the adjustment and resetting of safety-related components, must be carried out by a trained and competent person.

Before commencing any maintenance you must adhere to the following instructions. Under no circumstances must the lift be operated with the rear panel removed or any safety device inoperative.

1. Refer to the installation manual for health and safety guidelines.
2. Switch off the 230Vac lift power supply.
3. Close the hydraulic shut-off valve located in the powerpack (see Fig. 11.1).
4. Ensure the powerpack lid is secured and locked.
5. Switch on the lift power supply to fault find as necessary.

It is safety critical that any parts replaced are correct. Use of incorrect parts may affect the safety of the lift. Spare parts must be sourced from Wessex Lift Co. Ltd. Waste items and fluids must be disposed of in an environmentally safe manner.

Be aware that other people could inadvertently operate the lift during maintenance. Before starting any maintenance activity, make others in the building aware. Where there is a risk to yourself or the public, isolate the lift area using safety barriers.

Make use of the relevant personal protective equipment for the task, e.g. safety footwear, safety glasses, protective gloves, ear protection. Observe safe practise when manual handling or working at height.

Plan your work. Make yourself aware of the potential risks before proceeding with any maintenance activity. Take suitable precautions to avoid or minimise the risks.

11.1 Mechanical Safety

Before commencing any maintenance you must adhere to the following instructions. Under no circumstances must the lift be operated with the rear panel removed or any safety device inoperative.

1. Refer to the installation manual for health and safety guidelines.
2. Switch off the 230Vac lift power supply.
3. Close the hydraulic shut-off valve located in the powerpack (see Fig. 11.1).
4. Ensure the powerpack lid is secured and locked.
5. Switch on the lift power supply to fault find as necessary.



Fig 11.1 – Shut-off valve shown in ‘Closed’ position (circled)



11.2 Electrical Safety

The lift operates on a 230Vac dedicated supply and a 24Vdc control circuit. A mains isolator switch is fitted adjacent to the lift. The powerpack and the power supply unit (reference page 7) both contain 230Vac. Warning labels are fitted to each. Isolate the lift, and disconnect the batteries, where appropriate, when carrying out maintenance to avoid the risk of electrocution or unintentional movement.

11.3 Hydraulic Safety

The hydraulic system on the Wessex Homelift operates under high pressure. The hydraulic oil is mineral-based. Fluid released from a pressurised hydraulic system can penetrate skin and lead to injury. **Before examining or working on the hydraulic system, ensure there is no pressure in the system.** Wear appropriate personal protective equipment and have a spill kit to hand as a precaution.



12. TECHNICAL INFORMATION

12.1 Anchorage and Forces

12.1.1 Mid-Floor - The main force applied to the building structure by the lift is a shear force through a steel structural beam onto two mid-floor joists either side of the lift. The maximum force applied to each of the two joists is 3150N. The structural beam is anchored to the two joists by eight M8 x 60 coach screws.

12.1.2 Lower Level - A maximum horizontal force of 1740N is applied to the lower floor level of the building via the floor track plate. The floor track plate is anchored to the building using No.12 x 1½" screws.

12.1.3 Upper Level A maximum horizontal force of 1580N is applied to the building via the fixings at the top of the tracks.

Where a **ceiling patch** is used, this is anchored to the ceiling joists using No.12 x 3 ½" screws. The load is spread across a minimum of three joists. The track fixing plate is anchored to the ceiling patch using No.12 x 1½" screws. Where a **wall bracket** is used, this is anchored to the wall using M8 or M10 fixings depending on the wall material.

12.2 Electrical Connection

A dedicated power supply of 230Vac is provided for the lift. The dedicated supply is protected by a double pole control switch rated at 20A and fused at 10A. The supply is wired back to the main distribution board where protection of 16A is provided.

12.3 Noise emission

The emission sound pressure level at the user's position is not expected to exceed 70 db(A).



APPENDICES & QUICK START GUIDE

Note:

The following appendices are designed to be a step by step guide and can be removed from this manual if required. The pages can be laminated and placed at the upper and lower locations for reference purposes.

Appendix A – ‘Calling the Lift’ & travelling up (with lift at upper floor level, and user at ground floor level) step by step guide.

1. If the controls are not working check the key-switch is on (if fitted). **See Figure 1.**
Note: The ON position will change, as both upper and lower call stations can be turned on & off.

2. Press & release the **Green** down direction arrow button.



3. Allow the lift to descend and stop at the lower floor level.

4. Press & release the **Blue** door button. Note: For a manual door press down the safety edge & pull the door open.



5. Enter the lift by reversing your wheelchair into the car, or use the seat if fitted. **Figure 3**

6. Press & release the **Blue** door button to close the door. (Pull close if manual door)



7. Press & release the **Green** up direction arrow button on the control console. **Figure 4**



8. The lift will now travel to the upper floor level and stop.

9. When the lift has stopped, press and release the **Blue** door button. (Push open if manual door)



10. Exit the lift and close the door, by pressing the **Blue** door button. (Push close if manual door)



Figure 1 – Wall Mounted Call Station

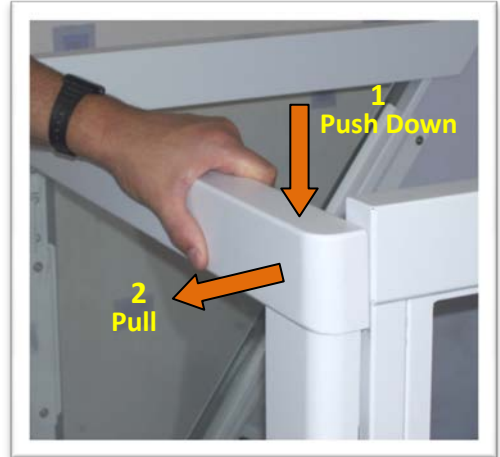


Figure 2 – Manually Open the Door



Figure 3 – Entering/Exiting the Car



Figure 4 – In-car Control Console

Appendix B – ‘Calling the Lift’ & travelling down (with lift at lower floor level, and user at upper floor level) - step by step guide.

1. If the controls are not working check the key-switch is on (if fitted). *See Figure 1.*

Note: The ON position will change, as both upper and lower call stations can be turned on & off.

2. Press & release the **Green Up** direction arrow Button.



3. Wait for the lift to rise to the Upper floor level and stop.

4. Press & release the **Blue** door button.
(Push open if manual door)



5. Enter the lift by reversing your wheelchair into the car, or use the seat if fitted. *Figure 3*

6. Press & release the **Blue** door button to close the door.
(Pull close if manual door)



7. Press & release the **Green down** direction arrow button on the control console. *Figure 4*



8. The lift will now travel to the lower floor level and stop.

9. When the lift has stopped, press and release the **Blue** door button.
(Push open if a manual door)



10. Exit the lift and close the door, by pressing the **Blue** door button.
(Push close if manual door)



Figure 1 – Wall Mounted Call Station

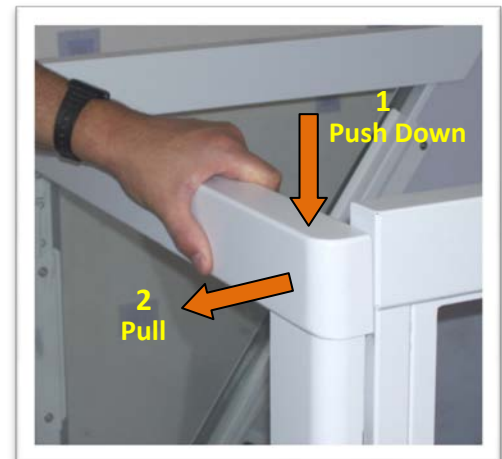


Figure 2 – Manually Open the Door



Figure 3 – Entering/Exiting the Car



Figure 4 – In-car Control Console

Appendix C – Changing direction during travel - step by step guide.

DURING TRAVEL IN ANY DIRECTION

1. Press and release the **Stop** Button on the control console.

2. Wait for 3 seconds.

3. Press and release either **Green** direction arrow button

Note:

You can reverse your direction of travel or carry on with the original direction of travel. This is indicated by the fact that both **Green** arrow buttons are illuminated on the control console.



Figure 1 – In-car Control Console



EC Declaration of Conformity (Original)

The manufacturer of the products covered by this declaration is: -

**'Wessex Lift Co Ltd', Budds Lane, Romsey, Hampshire,
SO51 0HA, United Kingdom**

Declare that under sole responsibility that the products
Vertical Platform Lift **'Homelift'**
Known as Model(s) **VM Range**
Serial No(s) _____

are in conformity with the provisions of the following EC directives(s) when installed in accordance with the installation instructions.

Directive(s):

Machinery Directive: 2006/42/EC
Low Voltage Directive: 2006/95/EC
Electromagnetic Compatibility Directive: 2004/108/EC

Conformity Assessment Procedure

As defined in Regulation 13 of Supply of Machinery (Safety) Regulations 2008.

Conformance of a type sample with the regulations from the EC directives has been certified by the notified body TÜV Rheinland and through the manufacturer.

Approved by the notified body - *TÜV Rheinland Industrie Service GmbH, Alboinstraße 56, 12103 Berlin.*
(Notified Body 0035)

The technical documentation required to demonstrate that the product meets the requirements of the above directives has been compiled by the signatory below and is available for inspection (at the manufacturers premises) by the relevant enforcement authorities.

The CE mark was first applied at the manufacturers' premises in 2009.

The products described above comply with the essential requirements of the directives specified.

Signed:

Authority: Managing Director

Date: 29/12/2009

