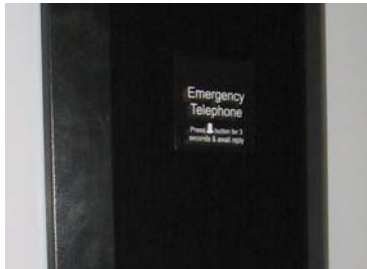


9.6 Lift autodial system

The lift autodial system will enable 2 way telephone communication between the lift cabin & a remote location. Up to 4 telephone numbers can be programmed into the autodialler. On initiating an emergency call, the numbers will be dialled in rotation until an answer is obtained. The numbers called are typically: caretaker’s residence, maintenance or security departments. A lift autodialler unit is particularly suited to lift installations where the lift is unattended or subject to use outside normal working hours.



Autodialler faceplate on Lift Control Panel

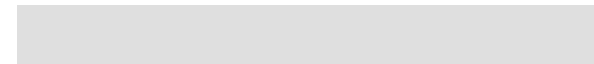
Operation of the unit is straightforward; the faceplate on the Lift Control Panel (see image) provides the necessary instruction: “Emergency telephone, Press <alarm> button for 3 seconds & await reply”

Once connected, persons in the lift cabin are able to speak with the connected party. Speaker & microphone devices are concealed in the lift cabin to enable easy conversation without the need for a handset in the lift.

MIDLIFT DL

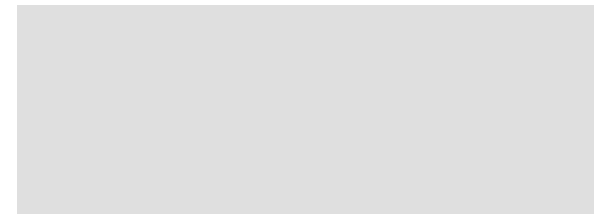
Make sure you understand the contents of this booklet. Keep it handy for reference.

Your Lift Number is:



Please quote this number on any correspondence

Your local Stannah Service Office



If your lift fails to operate and **BEFORE** contacting the Service Office, please read page 17 of this User Handbook.

This can save time and also save you the cost of an unnecessary service call.



Your Stannah Guarantee

Stannah Lifts Ltd are proud to have secured British Standards BS EN ISO 9001 Quality Assurance Certification and are pleased to guarantee the whole of our materials and workmanship for a period of twelve months from completion of installation and handover of the lift to you on the following conditions;

- That you enter into a proper service contract with our sister company Stannah Lifts Service Limited. As in the motor car industry, your lift must be properly serviced and maintained to keep it working at its very best.
- Should any defect in workmanship or material become evident within the twelve month period, we undertake to repair or replace the defective part, as soon as possible during our normal working hours (Monday to Thursday 8.00am to 4.45pm, Friday 8.00am to 3.45pm.).
- Should attendance be required outside normal working hours, it will be subject to a reasonable excess charge. The address and telephone number of your nearest Service Branch will be given on the "Completion Notice", which you should sign prior to handover of the lift to you.
- The guarantee does not cover repairs, replacements or adjustment which may be required as a result of ordinary wear and tear, wilful or accidental damage, misuse, neglect or any other cause beyond our control.
- That all outstanding monies have been paid to us.

STANNAH LIFTS LIMITED
Anton Mill, Andover, Hampshire SP10 2NX
Tel: 01264 339090 Fax: 01264 337942

9 OPTIONAL EXTRAS

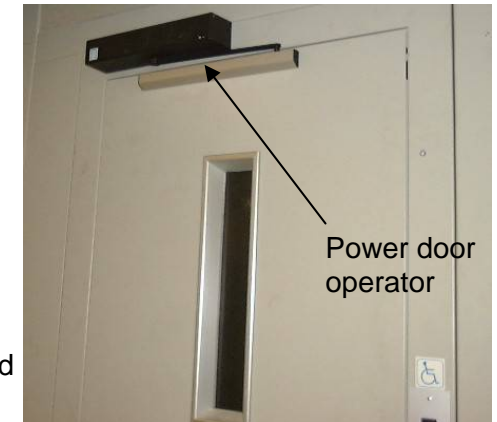
Stannah

Door opening obstructed

If the door is obstructed during an opening phase, it will immediately stop. After removal of the obstruction, the DOOR OPEN button should be pressed again. The door will slowly move to its fully open position. Subsequent closing of the door resumes as normal.

Door closing obstructed

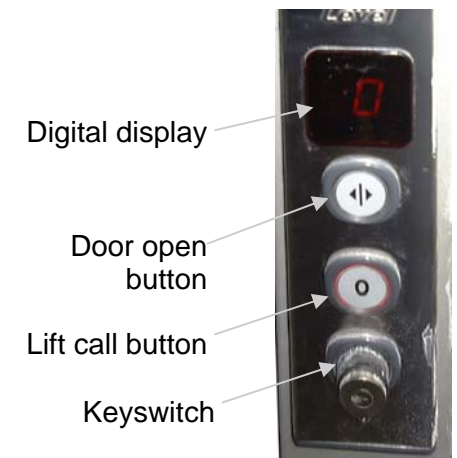
If the door is obstructed while it is moving to the closed position, it will automatically re-open to the fully open position. After 15 seconds the door will start to re-close. It will move at normal speed to the point the obstruction was encountered, then, assuming the obstruction has been removed, will proceed at a slower speed to the fully closed position. Subsequent opening of the door will be normal.



Powered door operator

9.5 Digital display units

The digital displays indicate the position of the lift. All display units show the same information simultaneously. Upon arrival of the lift at a landing, the displays at Landing Call Stations (see image below) & also inside the lift cabin will change to indicate the arrival floor number. A chime will be heard and a synthesised voice will announce the floor number that the lift has arrived at.



Landing Call Station with digital display

9.1 Intercom in the cabin

If provided, a user in the cabin can use the intercom system to summon help if difficulty arises or the lift malfunctions. The intercom system will allow verbal communication with a receptionist, caretaker or other person suitably trained to offer assistance or implement emergency procedures. To operate, simply press the ALARM button (see image on page 9) and await voice reply. Communication is facilitated by means of speaker & microphone units set into the Lift Control Panel, & a telephone style handset at the remote end.

9.2 Telephone in the cabin

If provided, a user in the cabin can use the telephone to summon help if difficulty arises or the lift malfunctions. Operation of the telephone will vary between applications depending on implementation. It is expected that in most installations, use of the telephone will be restricted to permit the dialling of specified numbers only. Providing instructions for use of the telephone will be the responsibility of the lift owner and should be posted on the Lift Control Panel.

9.3 Oil heater

In applications where the lift is likely to be exposed to excessively low temperatures (e.g. when installed outdoors), a heater may be specified to keep the oil above it's recommended operating temperature. The heater is thermostatically controlled and requires no user attention.

9.4 Powered door operator

The powered door allows automatic opening & closing of the door. It is particularly useful on installations where access to the lift entrance(s) is restricted.

Control of the powered door is explained in the relevant sections relating to use of the lift. Closing of the powered door is affected after expiry of a programmed time interval following opening of the door. The default setting for this time period is 15 seconds.

Opening of the door is initiated from push button controls at the landings & within the lift car.

The following paragraphs describe the process of events if the door encounters an obstruction while opening or closing.

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Your Stannah Guarantee	2
1 Introduction	4
2 Legal and Safety	5
3 Pictorial view	6
4 Operating instructions	7
5 Emergency Operation	9
6 Safety features	14
7 Lift care procedures	15
8 Trouble shooting guide	17
9 Optional extras	18



NOTE: Whilst every effort has been made to ensure the clarity and accuracy of this handbook, we cannot be held responsible for damage or injury resulting from negligence or misuse of this lift.

This User Handbook is to help provide an understanding of correct and safe use of the Midilift DL.

Application of the CE mark to your Midilift means that it complies with the Machinery Directive 89/392 CEE; this ensures that the installed equipment is intrinsically safe & fit for its intended purpose.

It is important that you arrange for the lift to receive regular inspection and servicing by a competent person at intervals not exceeding six months, after the 12 months guarantee period.

Failure to ensure servicing is carried out could lead to unreliable or unsafe operation.

For all enquiries regarding servicing, please contact your local Stannah Service branch.

A Service Log Card supplied by the service office will be completed after each service visit.

As requested by the European Legislation on Machinery Regulations, the maximum noise emission has been measured at 70dB at a distance of 1 metre from the lift control cabinet.

Owing to our policy of continual product development, we reserve the right to alter specifications and dimensions without prior notice. At the date of publication this manual was up-to-date and should there be any significant differences we will endeavour to advise you with an addendum.

If your Midilift fails to operate check the following table before contacting your service company - it could save you time and the cost of an unnecessary service visit.

FAULT	CURE
Mains power is in the OFF position	Switch mains power to ON position
(External) Circuit breaker has tripped (See Note below)	Reset by pressing the reset button. Note: If the circuit breaker repeatedly trips - call your service company.
Lift stops when travelling in either direction.	Check that all landing doors are fully closed.
Lift will not run	<ul style="list-style-type: none"> • Check that the landing doors are fully closed • Make sure that the key switch is in the ON position. • Check mains supply switch is on • Check that the fuse in the mains supply has not 'blown'. • Check circuit breaker has not tripped. • Check that the STOP button on the Lift Control Panel is not engaged.

7.3 Dismantling & removal of the lift

You should not attempt to dismantle any parts of the lift. Such work should be entrusted only to competent personnel with relevant expert knowledge and training.

7.4 Lift malfunction or abnormal operation

Some basic troubleshooting measures are described in the next section. If problems persist after carrying out these checks, or any abnormal operation of the lift is observed, then your service company should be advised immediately.

Legal Requirements:

When a lift is installed in a public building, the owner/occupier has to comply with legislation which includes:

- Health and Safety at work act 1974 (HSWA)
- Provision of Use of Work Equipment Regulations 1998 (PUWER)
- Lifting Operations & Lifting Equipment Regulations 1998 (LOLER)

Regulations require that you are obliged to keep your lift maintained in safe working order. If any repairs are necessary to render the equipment safe, a copy of the report must be sent to the local Factory Inspector or other appropriate authority within 28 days.

In addition to the above, it is a legal requirement that the lift undergoes a thorough examination by a competent person at least every six months. These examinations are detailed within a document LG1 which give guidelines prepared by the Safety Assessment Federation in full consultation with the Health and Safety Executive.

The building owner/occupier should make arrangements with a 'Competent Person' to undertake the examinations and should ensure that a copy of the report is kept in a safe place on site.

It is the responsibility of the owner/occupier to ensure at least two permanently based staff members receive training in the correct method of passenger evacuation from the lift in the event of breakdown.

Our service office will be please to assist with the completion of these statutory reports and any training required.



SERVICING

To ensure reliable & safe operation of the lift, please check the lift is covered by an appropriate service contract. Failure to ensure regular maintenance may result in the lift becoming unsafe for the user or others.



The external appearance of your Midilift may differ slightly from that shown below.



Typical Midilift DL

7.1 Cleaning

Painted finishes

These should be cleaned with a damp cloth using an aerosol type of furniture polish.

Lift door vision panels

Vision panels should be cleaned with a damp soft cloth and mild detergent. Ensure that excess water is squeezed out prior to cleaning.

Lift structure glass panels

Cleaning of the inside of lift car glass panels and also the outside of those glass panels forming cladding of the lift structure may be cleaned as described above for lift door vision panels. However, where such panels cannot be reached easily, then appropriate safety provisions will need to be arranged to permit safe access.

The inside of glass structure cladding panels and the outside of lift cabin panels made from glass must not be cleaned by the lift owner as to gain access for cleaning, entry inside the lift well is required. Entering the lift shaft requires special procedures in order to disable lift operation and guard against persons falling. The cleaning of these panels will be carried out as part of the lift service. If additional is needed, the operation should be contracted to your service company.

Cabin Flooring

This should be cleaned with a damp cloth and mild detergent. Ensure that excess water is squeezed out prior to cleaning.

7.2 Taking lift out of service

Before isolating the electrical power, move the lift cabin to the lowest floor. If the lift is to be unused for a period of time, mains power should be turned off at the isolator inside the control cabinet. If power is isolated at the spur, then the backup batteries will discharge over time. Subsequent emergency use of facilities using batteries will then not be restored until sufficient time has elapsed with power reconnect for the batteries to recharge.

Your Midilift has many built-in features to ensure safe and convenient use. Some of these are described below:

6.1 Floor level optical sensors

Optical sensors are fitted just above floor level at the entry and exit points to help prevent contact with the exposed structure. Activation of the sensors will automatically stop the lift if an object breaks the beam while the lift is moving.

6.2 Automatic re-levelling device

This ensures that if the lift creeps downwards when parked at either landing for an extended period of time, it will automatically re-level back up to that level.

6.3 Ultimate limit switch

Should any parts of the lift stopping or levelling controls fail, an additional switch incorporated into the safety circuit will be activated if the cabin passes its proper stopping position. Such over-run will prevent any further use of the lift. Resetting of this 'ultimate limit switch' will need to be carried out by a Service Engineer.



WARNING

Before using your Midilift, please ensure that you read and familiarise yourself with these instructions.

Intended use of the Midilift

- The platform must not be overloaded. The maximum rated load of the platform is dependant on model (displayed on the lift control panel, in the lift car). The rated load will be 250kg (39 stone) or 350kg (55 stone).
- The platform is only designed for the transportation of a person in a wheelchair with or without an attendant.
- The platform may be used by a persons with impaired mobility, with or without an attendant. The platform is not designed for carrying goods or animals of any kind. The exceptional use by trained guide dogs is permitted. The use of the lift by persons with a pushchair have not been considered in the design of the equipment. If the lift is to be used by people with pushchairs we are unable to accept any liability for personal injury or product failure. We strongly recommend you seek professional guidance and indemnity from your insurers.
- Children should not be allowed to tamper or play with the lift.
- Check that pets or any obstructions are not in the way before using the lift.



Typical rated load label



WARNING - Power Supply Failure

If people who cannot use the stairs unaided are likely to be alone in the premises, we recommend the installation of an autodial system (page 20), so that in the event of a power supply failure, help can be summoned.

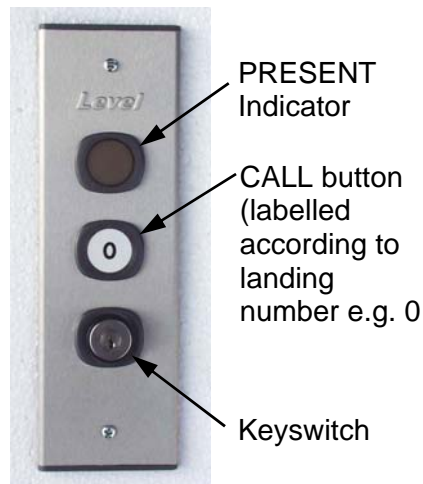
To operate the lift using the Landing Call Stations

As standard, the lift will be provided with self closing doors. As an optional extra, the lift may be provided with powered doors &/or digital landing displays. Operation of the lift varies depending on options fitted. The following descriptions cover all variations.

1. Unlock the Landing Call Station by inserting the key & turning 90 degrees clockwise. Each Landing Call Station is (un)locked in the same way and is independent of all others. This functionality is also the same for the Lift Control Panel - one key fits all.
2. Call the lift by continuing to press the CALL button on the Landing Call Station. The CALL button rim will illuminate while the lift car is in motion. If fitted, the PRESENT indicator will illuminate when the lift arrives and will remain illuminated while the lift remains at that floor.

Where digital displays (page 19) are fitted, the floor at which the lift platform is positioned will be indicated on the Landing Call Station. A synthesised voice will announce the lift arrival.

3. If the lift is at the required level, the PRESENT indicator on the Landing Call Station will be illuminated.
4. Open the door by hand (manual door) or press the DOOR OPEN button.
5. To stop the lift at any time, release the call button.
6. To recommence calling of the lift, re-press the CALL button.



Landing Call Station

Emergency release of door lock



WARNING

1. Only open the lowest level lift door using the method described following. Opening any other door may expose persons to falling down the shaft, resulting in serious injury.
2. Open the door only after the lift has been fully lowered.

If the door lock has failed to release when the lift is at the lowest floor level, proceed as follows:

1. Locate the hole in the door frame (see image).
2. Insert the triangular key provided and engage onto the spigot.
3. Turn the key and pull open the door to evacuate the person(s) from the lift. A powered door can also be pulled open manually if necessary.
4. **Ensure that the door is closed and re-locked.**
5. **Telephone the service company so that a Service Engineer can attend to the cause of the failure.**



4. Reassure the trapped person(s) and advise them you are about to lower the lift.
5. Turn the red emergency lowering knob anticlockwise on the pump unit. The lift will slowly begin to descend. (See Fig. 2).
6. To stop the lift at any time, release the red knob.
7. Continue to hold the emergency lowering knob in the anticlockwise release position until the lift has descended to the lower level. The lift door can then be opened in the normal way.
8. In the unlikely event that the door will not open, refer to procedure 'Emergency release of door lock'.
9. Close and lock the control cabinet door.
10. If the lift has been manually lowered, it must be checked by a Service Engineer before it is returned to use. Before calling the service company, ensure that no-one attempts to use the lift by:
 - Keep the power turned off.
 - Isolate all landing controls by the individual keyswitches.
 - Make and attach an "Out of service" notice to each landing door.



Fig. 1

Isolation switch

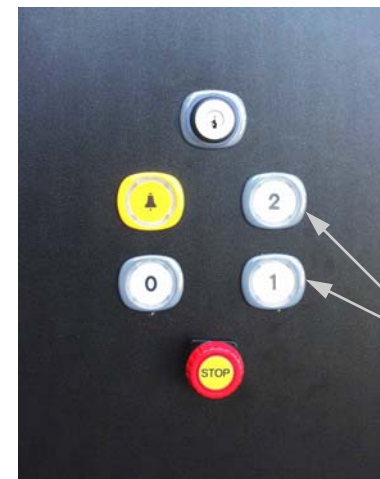


Fig. 2

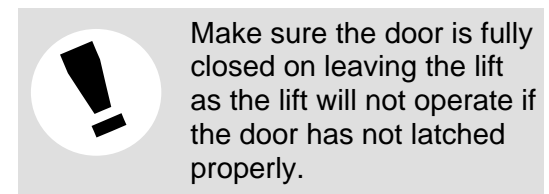
Red emergency lowering knob

To operate the lift using the Lift Control Panel

1. Move yourself into the lift; a manually operated door will then close under its own spring force. With a powered door, the door will automatically close after 15 seconds.
2. Unlock the Lift Control Panel by inserting the key into the lock and turning 90 degrees clockwise.
3. Press and keep pressed the appropriate button for the floor required on the Lift Control Panel.
4. The platform will ascend or descend and automatically stop at the required floor.
5. The landing door will automatically unlock. A manual door can then be pushed open by hand. With a powered door, press the DOOR OPEN button on the Lift Control Panel. See illustration of door open symbol below.



Lift Control Panel



Make sure the door is fully closed on leaving the lift as the lift will not operate if the door has not latched properly.

Floor number buttons

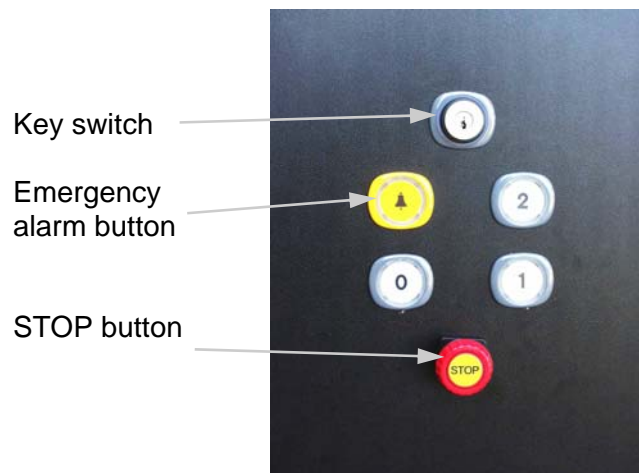


Door open symbol

To stop the lift from within the lift cabin

1. To stop the lift at any time, release the appropriate floor button or, press the STOP button on the Lift Control Panel.
2. To restart the lift after pressing the STOP button, the STOP button must firstly be released. This is affected by rotating the STOP button clockwise approximately a quarter turn.
3. The Lift Control Panel is provided with an emergency alarm button. When pressed the button operates an alarm siren to summon assistance. In the event of a mains power failure, the emergency alarm will still function by virtue of its backup battery. If either intercom (page 18) or autodial (page 20) units are fitted, the alarm button also serves to initiate voice communications.

Lift Control Panel



Power failure

In the event of mains power failure, operation of the lift to descend can be carried out in the same way as for normal operation. However, it will not be possible to ascend in the lift under such circumstances.

Provision of normal lift operation to descend when the power is cut is considered only to allow evacuation if someone is using the lift when the power fails. The lift should not be entered, even to descend, while the power is off in case the battery which supports emergency operation has become discharged.

Refer to the following section if the lift has malfunctioned and someone is trapped inside.

Manual lowering of the lift



WARNING - 240 Volts

The following procedures, if not followed, could expose live, unprotected metal parts or conductors.

Exercise extreme caution.

The following procedure allows manual release of a user trapped in the lift; execution of the process described will only be necessary in the unlikely event of lift malfunction or if the backup battery has failed. (It is recommended that power supply to the lift is always maintained in order to keep the backup battery charged):

1. Open the control cabinet door using the triangular key provided.
2. Turn off main power at the isolator as shown in Fig. 1 (over the page). This will ensure that there is no possibility of electric shock or inadvertent operation.
3. Ensure all lift landing doors are closed & locked. Check that they cannot be pulled open; to ensure that with the lift at the lowest floor, there is no possibility for person to fall down the shaft.