

# MIDLIFT DL

## USER HANDBOOK

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

Your Stannah lift number is:

*Please quote this number in any correspondence*

Your local Stannah Service Office is:

If your Midilift fails to operate & **BEFORE** contacting your service company, please read page 17 of this User Handbook.

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



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### NOTE

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



## Your Stannah Guarantee

Stannah Lifts Ltd are proud to have secured British Standards BS EN ISO 9001 Quality Assurance Certification & are pleased to guarantee the whole of our materials & workmanship for a period of twelve months from completion of installation & 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 new lift must be properly serviced & 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 be requested, it will be subject to a reasonable excess charge. The address & 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. (Stannah Service Office contact details repeated on the front cover of this manual).
- The guarantee does not cover repairs, replacements or adjustment which may be required as a result of ordinary wear & tear, wilful or accidental damage, misuse, neglect or any other cause beyond our control.
- That all outstanding monies have been paid to us.

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### 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.

This User Handbook is to help provide an understanding of correct & 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 & 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 Office at the address given on the front page of this booklet.

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.



#### NOTE

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

### Legal Requirements

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

- Health & 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 & Safety Executive.

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

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

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

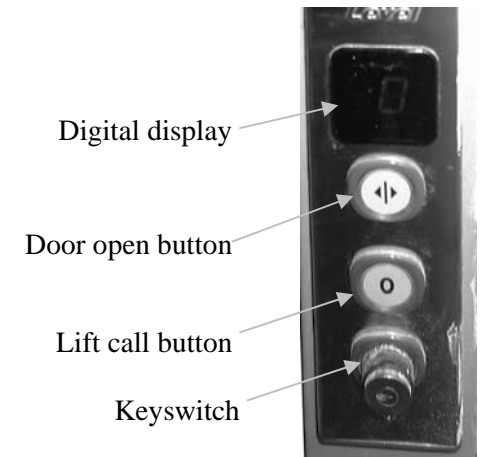
#### SERVICING

To ensure reliable & safe operation of the lift, please check that 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.



### 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 also be heard & a synthesised voice will announce the floor number that the lift has arrived at.



**Landing Call Station  
with digital display**

### 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.

#### ***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.



**Powered door operator**

#### ***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.



### NOTE

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



**Typical Midilift DL**

## 4 OPERATING INSTRUCTIONS



### WARNING

Before using your Midilift, please ensure that you read & 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, & will be displayed on a label attached to the Lift Control Panel, inside the lift car. The rated load will be either 250kg (39 stone) or 350kg (55 stone). An example of a label showing rated load, together with other important information is shown in the image.
- The platform is designed only for the transportation of a person in a wheelchair with or without an attendant.
- The platform may also 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 & indemnity from your insurers.
- Children should not be allowed to tamper or play with the lift. Joyriding can be dangerous.
- 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 (see page 22), so that in the event of a power supply failure, help can be summoned.

## 9 OPTIONAL EXTRAS

### 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) & 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 though that in most installations, use of the telephone will be restricted to permit the dialling of certain specified numbers only. The provision of instructions for use of the telephone will be the responsibility of the lift owner & 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 (for example, when installed outdoors), a heater may be specified to keep the oil above it's minimum recommended operating temperature. The heater is thermostatically controlled & requires no user attention.

FAULT	CURE
Lift will not run	<ul style="list-style-type: none"> <li>• Check that the landing doors are fully closed</li> <li>• Make sure that the key switch is in the ON position.</li> <li>• Check mains supply switch is on</li> <li>• Check that the fuse in the mains supply has not 'blown'. See 'Note' on page 17</li> <li>• Check circuit breaker has not tripped. See 'Note' on page 17</li> <li>• Check that the STOP button on the Lift Control Panel is <b>not</b> engaged</li> </ul>

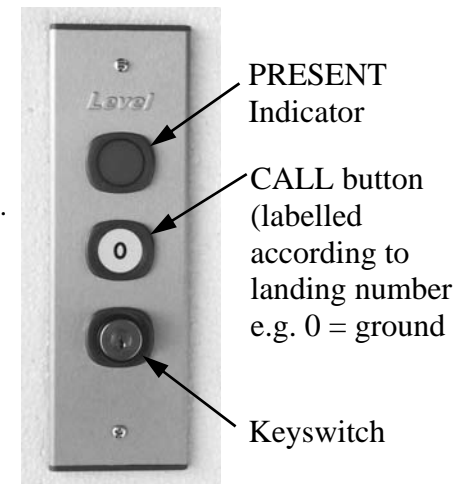
### To operate the lift using the Landing Call Stations

As standard, the lift will be provided with self closing doors. As optional extras, the lift may be provided with powered doors & / or digital landing displays. Operation of the lift varies slightly depending on options fitted. The following descriptions cover all variations. For further information on optional extras, see page 19.

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 & 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 pressing, & keeping pressed, 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 & will remain illuminated while the lift remains at that floor.

Where digital displays (see page 21) are fitted, the floor at which the lift platform is positioned will be indicated on the Landing Call Station. A synthesised voice will announce when the lift arrives.

3. If the lift is already 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 (see illustration of button symbol over page).
5. To stop the lift at any time, release the call button.
6. To recommence calling of the lift, re-press the CALL button.

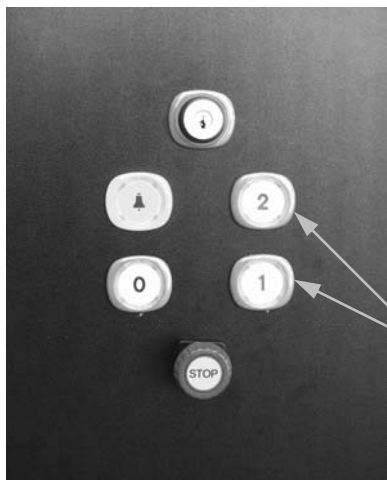


**Landing Call Station**

## 4 OPERATING INSTRUCTIONS

### 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 & turning 90 degrees clockwise.
3. Press & keep pressed the appropriate button for the floor required on the Lift Control Panel.
4. The platform will ascend or descend & 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.

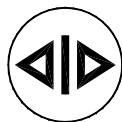


Floor number buttons



#### NOTE

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



Door open symbol

## 8 TROUBLE SHOOTING GUIDE

If your Midilift fails to operate check the following table before contacting your service company - it could save you time & 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.



#### NOTE

This refers only to a circuit breaker/fuse external to the lift control cabinet - do not open the electrical box inside the control cabinet as hazardous live terminals will be exposed.

## 7 GENERAL LIFT CARE PROCEDURES

### 7.2 Taking lift out of service

Before isolating the electrical power, move the lift cabin to the lowest floor.

If it is planned that 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.

### 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 & training.

### 7.4 Lift malfunction or abnormal operation

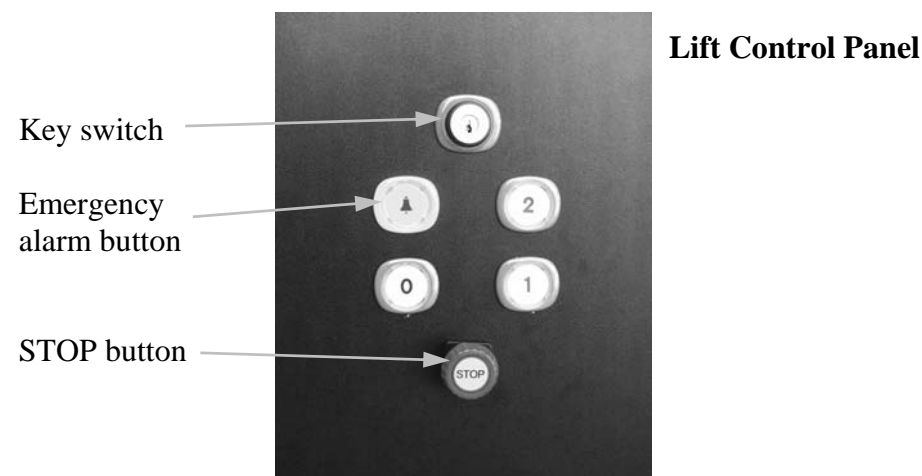
Some basic troubleshooting measures as described in the next section.

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.

## 4 OPERATING INSTRUCTIONS

### 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 (see page 19) or autodial (see page 22) units are fitted, the alarm button also serves to initiate voice communications.



### **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 & someone is trapped inside.

### **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 & 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 & 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 & the *outside* of lift cabin panels made from glass shall not be attempted to be cleaned by the lift owner. The reason for this is that to gain access for cleaning, entry inside the lift well is required. Entering the lift shaft requires the execution of special procedures in order to disable lift operation & guard against persons falling. It is recommended therefore that the cleaning of these panels is contracted to your service company.

#### ***Cabin Flooring***

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

Your Midilift has many built-in features to ensure safe & 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 & 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.

### 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 door of the control cabinet 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 that all lift landing doors are closed & locked. Check that they cannot be pulled open; this is to ensure that with the lift at the lowest floor, there will be no possibility for person to fall down the shaft.
4. Reassure the trapped person(s) & advise them that 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 over page).

## 5 EMERGENCY OPERATION

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 on the next page 'Emergency release of door lock'.
9. Close & 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 means of the individual keyswitches.
  - Make & attach an "Out of service" notice to each landing door.



Fig. 1



Fig. 2

Red emergency lowering knob

Isolation switch

## 5 EMERGENCY OPERATION

### 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 & engage onto the spigot.
3. Turn the key & 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 & re-locked.**
5. **Telephone the service company so that a Service Engineer can attend to the cause of the failure.**

