

RiseBasic300M/RiseBasic440M

SystemRoMedic™

Valid from serial number:

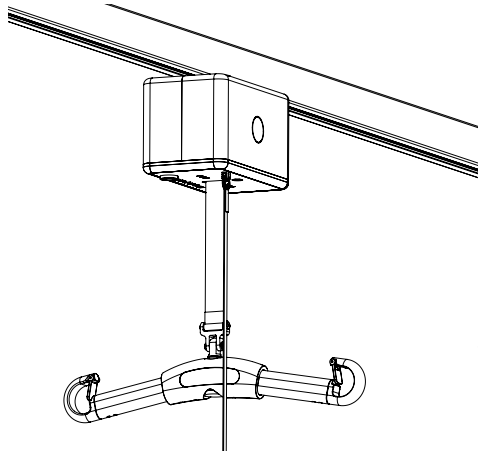
514020347

513920121

RiseBasic art. no.

50100039 (RiseBasic300M)

50100040 (RiseBasic440M)



SWL:

RiseBasic300M: 138 kg/300 lbs

RiseBasic440M: 200 kg/440 lbs

The lift unit RiseBasic has been developed, for use in combination with the appropriate lifting accessories, for transferring users conveniently between two locations. RiseBasic is installed on the appropriate rail system to cover lifting needs in the given situation. The rail system may consist of a straight rail, with or without rail curves, or a traverse system. It is also possible to transfer users between two rooms using RiseBasic. RiseBasic has a built-in carriage and is not available with a transfer motor.

This service manual is a technical document only to be used by trained and authorized service technicians.

The RiseBasic lifting unit must be installed and first-time inspected by authorized personnel, inspector or service technician, in accordance with the installation instructions provided by Handicare AB. Periodic inspection of the equipment should be done at least once a year. Original spare parts should be used and service/maintenance of the equipment should be in accordance with manual.



Keep the service manual where it is accessible.

The service manual is a document to be used by technicians in combination with training.

RiseBasic and accessories are made for indoor use and protection against water is IPX4.

It is strongly prohibited to change or modified the original RiseBasic product unless stated in this manual.

Table of Contents

1. Use of RiseBasic by user/attendant

- 1.1 Basic description
- 1.2 Basic product safety
- 1.3 Before use
- 1.4 Trouble-shooting
- 1.5 Emergency situation
- 1.6 Others

2. Installation, assembly, inspection, service and maintenance of RiseBasic by technicians

- 2.1 Basic product safety
- 2.2 Installation or assembly
- 2.3 Inspection
- 2.4 Service and maintenance
- 2.5 Warranty

3. Access inside RiseBasic

4. Main parts of RiseBasic

5. Advanced trouble-shooting of RiseBasic

6. Resetting the service indicator

7. Tool list

8. Spare part list

9. Changing spare parts RiseBasic

- 9.1 Test and/or replace hand control
- 9.2 Test and/or replace batteries
- 9.3 Replace main PCB
- 9.4 Replace cover complete
- 9.5 Replace lifting strap

10. Component list RiseBasic

11. Inspection RiseBasic

- 11.1 Inspection check list RiseBasic

12. Maintenance RiseBasic

13. Technical information RiseBasic

14. Logbook RiseBasic and installation certificate

1. Use of RiseBasic by user/attendant

1.1 Basic description

RiseBasic is a ceiling lift motor unit (stationary lift unit) that is intended to be used in combination with appropriate accessories, such as rail systems and slings, to lift disabled people. RiseBasic features a unique charging solution, with hand control as standard. The ceiling lift unit can be set to function either with end point charging or with in-rail charging and, if the rail system is modified or if the lift unit is moved to another system with different functionality, the settings for charging of the ceiling lift unit can easily be altered by changing DIP-switches on print circuit board and locking of connectors on trolley.

The unit, a medical device, shall be used by trained attendant in hospitals, care homes and in home care.

1.2 Basic Product Safety

Using of RiseBasic must be done by trained professionals with thorough understanding of the equipment and lifting techniques of disabled people.

Training is done by Handicare (or Handicare distributor) and user/attendant shall always read the manuals for all assistive devices before lifting /transfer.

- Products and accessories are made for indoor use and no direct contact with water is allowed.
- Under no circumstances may safe working load be exceeded.
- Lifting accessories must be properly fitted in relation to the patient's needs and functional ability and only approved accessories are to be used.
- Special care must be taken when using strong power sources, such as diathermy and similar so that for example diathermy cables are not placed on or near by the lift unit. If in doubt, contact person responsible for the equipment or the supplier.
- The lift unit shall not be used in areas where flammable material may exist, such as in areas where flammable material is stored.
- Only equipment installed, assembled, inspected, serviced and maintenance by authorized personnel shall be used by user/attendant.
- Never leave a patient unattended in a lifting situation.
- Always pay attention to strange noise or sound from the lift unit and cancel operation if appearance.

1.3 Before use

The user/attendant shall perform following inspections before use.

- Inspect the lift for signs of wear and damage.
- Check battery charge level.
- Check that correct accessories are used and correct attachment has been made.
- Ensure that lifting environment is safe.

Note!

If inspection reveals any effect, wear or other damage that jeopardizes the safety of RiseBasic, the owner should immediately be notified. In the event of immediate danger to safety, the RiseBasic should immediately be taken out of service. It may then not be used until the deficiency has been eliminated.

1.4 Trouble-shooting

If the lift is not working, check to ensure the following:

- Ensure ON-function by pressing ON button.
- Check that the emergency stop is not pulled out.
- Check that the battery charging is not in progress, only when RiseBasic is in charger station or end point charging.
- Check that the battery is charged.
- Check that the lift strap is pre-loaded.
- Check that all cables are properly and securely connected.
- Check that the lift strap is not twisted or wrong angle.

If no function, contact your service support.

1.5 Emergency situation

- If an emergency situation has occurred and the emergency stop has been activated by the operator, please call service support. Do not continue operation of the lift.

1.6 Others

- Warranty only applies if repairs or alternations are made by authorized technician and also of the use of original spare parts.
- To ensure optimal function, the lift must be inspected regularly by authorized technician.
- If there are issues not covered by this manual, please call service support.

2. Installation, assembly, inspection, service and maintenance of RiseBasic by technicians.

2.1 Basic Product Safety

Installation, assembly, inspection, service and maintenance of RiseBasic must be done by authorized personnel in accordance with instructions provided by Handicare AB.

An authorized person (service technician, inspector etc.) shall be trained by Handicare (or Handicare distributor) and shall be well acquainted with the design, use and care of the lift.

Upon receiving and unpacking of product or parts, ensure that:

- Content of package is in accordance with table of contents.
- Inspect that there are no signs of damage on product.
- Always read the manual and have a thorough understanding of product.
- Manuals and manual emergency lowering key are readily accessible near the product.

2.2 Installation or assembly

Installation or assembly of products shall be performed by authorized personnel if not stated otherwise in accompanying instructions. Installation or assembly must be done in accordance with instructions provided by Handicare AB.

- The product or accessory shall only be used on approved Handicare equipment.
- Remove any transportation devices before installation, e.g. emergency stop clip.
- Person responsible for Installation or assembly shall document the procedure in the product logbook.
- Ensure that product is installed in a safe environment with absence of water, strong power sources and flammable material.

First-time installation or first-time assembly shall be followed up by a first-time inspection.














Many products require first-time charging procedure and read charging chapter in attached manual.

2.3 Inspection

Inspection of RiseBasic shall be performed by authorized personnel and inspections are to be made at the following scenarios.

- First-time inspection – inspection that shall be performed when first-time installation or first-time assembly has been made to equipment.
- Periodic inspection – inspection that is performed annually at least every year on the equipment.
- Verification inspection – inspection to be performed when essential spare parts has been changed.

A checklist and more detailed description for the Inspection is presented in chapter 11. The different inspection categories contain:

- **Ocular inspection of RiseBasic**  
- **Functionality testing of RiseBasic**  
- **Safety testing of RiseBasic**  
- **Load testing and speed testing of RiseBasic**  
- **Overhead systems**     

Note!

Any observations, including defects and damage, of importance for the safety of the lift unit should be noted in the RiseBasic logbook which should be retained by the person responsible for the servicing/maintenance of the RiseBasic. Also the date when corrective actions are taken, in response to noted observations, should also be noted in the logbook.

Defects and damage should be reported back to the manufacturer for action and this feedback should be reported in the logbook.

Every inspection performed on the RiseBasic shall be noted in the RiseBasic logbook and a record, such as Inspection List chapter 11.1, shall be included. The inspection record should be retained safely for examination in the event of an incident.

If inspection reveals any effect, wear or other damage that jeopardizes the safety of RiseBasic, the owner should immediately be notified. In the event of immediate danger to safety, the RiseBasic should immediately be taken out of service. It may then not be used until the deficiency has been eliminated.

2.4 Service and maintenance

Service and maintenance shall be conducted by authorized personnel and in accordance with manuals. The lift should be inspected annually at which time service/maintenance can be performed. Every action taken on the equipment shall be noted in the logbook and logbook shall be kept, together with manual, readily accessible close to equipment. Estimated life length for equipment is at least 10 years.

2.5 Warranty

Warranty for Handicare equipment does not include wear and tear parts. Equipment shall be serviced and maintained according to manual.

3. Access inside RiseBasic

Only authorized technicians shall open the covers of RiseBasic in order to get access inside RiseBasic.
The two covers of RiseBasic are opened by removing four screws at the top by hand and pull the covers gently apart.

Closing the cover,

Close the two covers carefully and ensure that cables and wirings are not squeezed by covers. After covers are in place than attach screws by hand.



4. Main parts RiseBasic

In order to get access to the main parts, please see chapter 3.

The main parts of RiseBasic are:

1. Hand control

The RiseBasic is turned Off/On with the hand control and also the lift movement Up/Down is controlled by hand control.

Please see chapter 9.1 Test and/or replace hand control.



2. Electrical system

a. Main Print Circuit Board (PCB),

The PCB controls functionality of RiseBasic.

Please see chapter 9.3 Replace circuit board

b. Diagnostic circuit board,

The diagnostic card controls statistics of RiseBasic.

Part of bottom plate. Please see chapter 9.4 for replacement.

c. Wire harness motor,

The wire harness connects the different electrical components of RiseBasic.

Wire Harness Motor has component no.: 90002502

d. Micro switch up,

The micro switch up shuts off winding movement if carabiner hook hits the switch or if the lift strap twist or tilts.

Component no.: 90001167

e. Micro switch down,

The micro switch down shuts off winding movement when all lift strap is wound out and prevents the motor from winding the lift strap the wrong direction. Component no.: 90001430

f. Micro switch pre tension,

RiseBasic needs to be pre loaded in order to be maneuvered up or down and the switch secures that preloading is applied and located behind PCB. Component no.: 90001430

g. LED indicator,

LED-indicators shows battery status and service need. Integrated part of bottom plate. Please see chapter 9.4 for replacement.

h. Hand control input plug,

The hand control connects to the hand control input plug and it is a integrated part of bottom plate. Please see chapter 9.4 for replacement.

i. Emergency stop,

The Emergency stop device shuts off power between battery and PCB when activated. It also functions as an electrical emergency lowering when pulled out. See component list, chapter 10, for replacement.

j. Battery,

The battery of the RiseBasic is comprised of 2x12v2.9Ah capacity cells.

k. Fuse,

Bought separately, use only 10 A.

3. Mechanical system

a. Lift Strap w. Guiding,

Please see chapter 9.5 for replacement.

b. Motor w. Chassis,

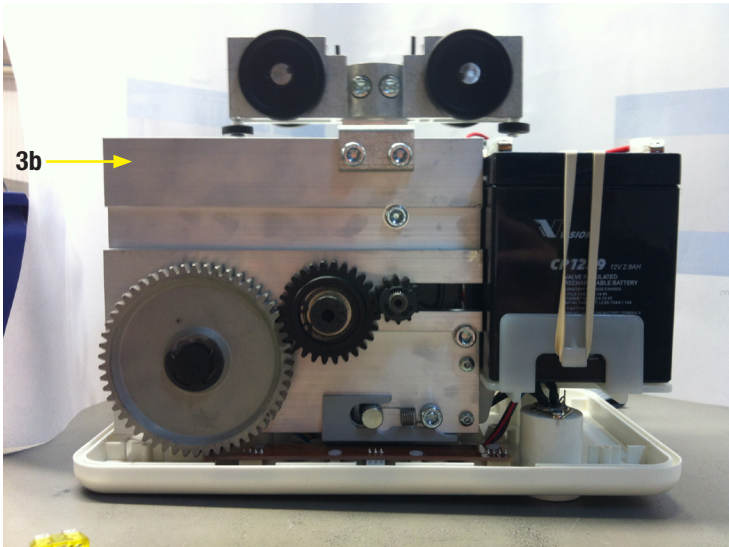
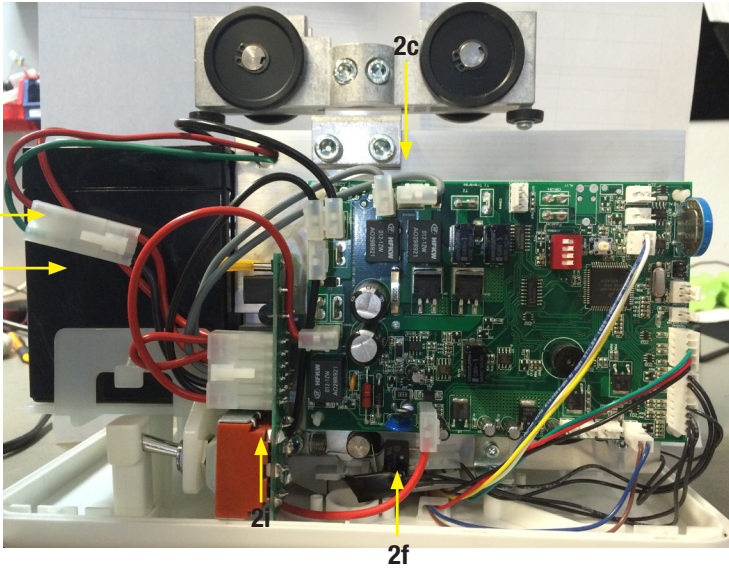
See component list, chapter 10, for replacement.

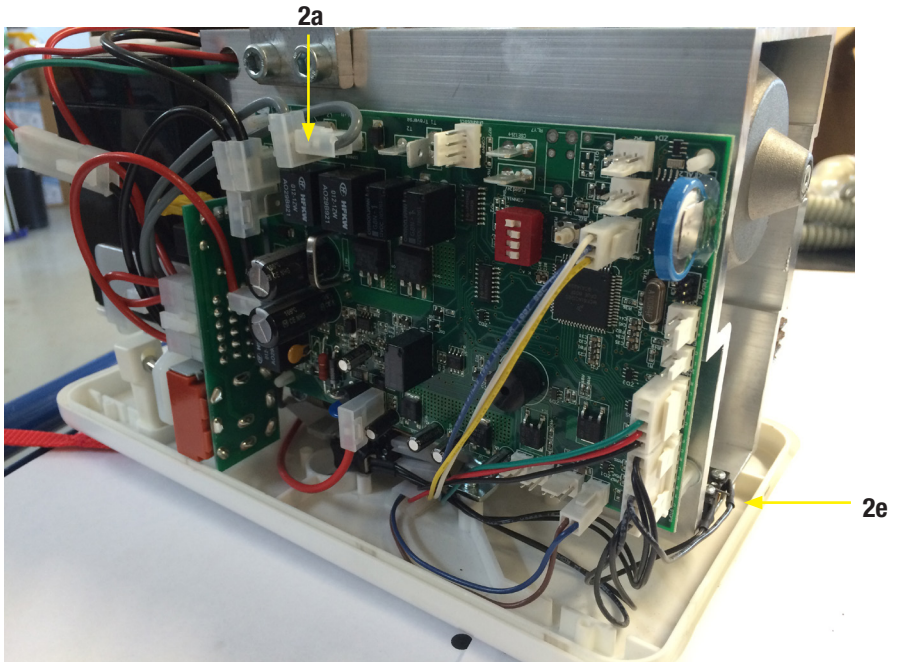
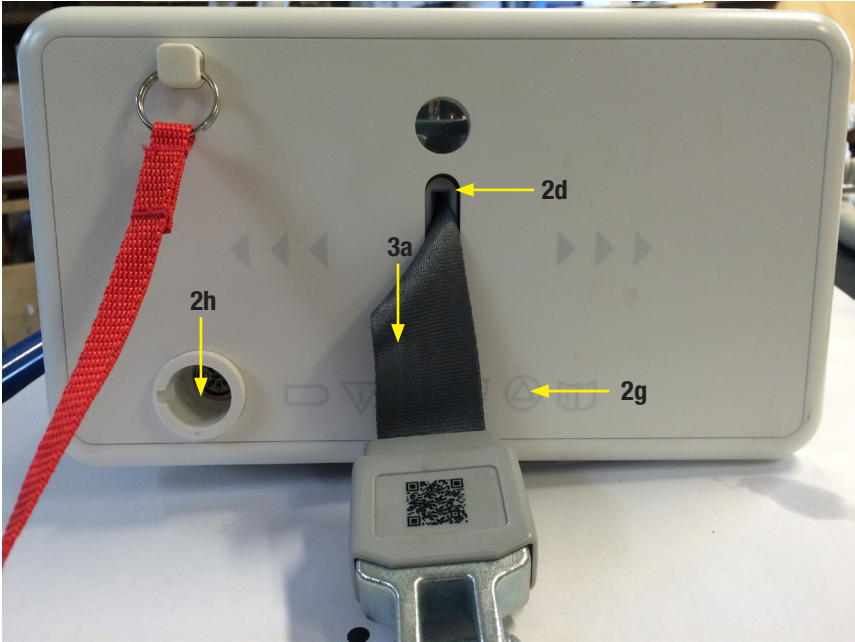
4. Charger

The charger is a separate item and detailed function is described on the back side of the charger.

Always delivered with the parts for hand control charging.







5. Advanced trouble-shooting RiseBasic

Only authorized technicians shall perform this operation on RiseBasic and thorough understanding of the product is a must. Access inside RiseBasic is described in chapter 3 and necessary tools are described in chapter 7.

It is understood that ordinary trouble-shooting, please see chapter 1.4, has been performed before the Advanced trouble-shooting starts.

Start the operation by Access inside RiseBasic, chapter 3.

A. Check that all wirings are properly connected and also check that there is no visible damage to wires.

- Improper connection shall be corrected.
- Damage wiring shall be replaced.

B. Check fuse (10 A) upon toggle switch.

- Bad fuse should be replaced and always use new 10 A fuse.
- Littelfuse 257 20/32V.

C. Check the PCB for:

- Burn marks or burn odors.
- o Bad PCB shall be replaced – see chapter 9.3.
- Check that all wiring connectors on the PCB are correct.
- o Improper connection shall be corrected.
- Check that the DIP-switches on the PCB are correct.
- o Improper DIP-switch positions are corrected.

End rail/Hand control charged (default setting)	
RiseBasic 300	RiseBasic440
no. 1: OFF	OFF
no. 2: ON	ON
no. 3: ON	ON
no. 4: OFF	ON

- no. 1:
- no. 2:
- no. 3:
- no. 4:

1: Dictates what kind of batteries
OFF: NiCd batteries

2: Dictates what kind of charging the unit needs
ON: End rail/hand control-charge
OFF: In rail charge

In rail charged	
RiseBasic 300	RiseBasic440
no. 1: OFF	OFF
no. 2: OFF	OFF
no. 3: ON	ON
no. 4: OFF	ON

- no. 1:
- no. 2:
- no. 3:
- no. 4:

3: What service interval the is unit preset on
ON: One year
OFF: Six months

4: What version of lift
ON: 10 amps (RiseBasic 440)
OFF: 6 amps (RiseBasic 300)

D. Check limit switches for functionality by using a finger and voltmeter.

- The micro switch up is normally open (no signal) and when activated, by hook or tilted band, it should give a signal (closing) and stop winding movement.
 - o Bad switch should be changed.
- The micro switches down is normally closed (signal) and when closed, by end of strap (no winding left on drum), it should give no signal and stop winding movement.
 - o Bad switch should be changed.
- The micro switch pre tension is normally open (no signal) and when activated, by tension on the lift strap, it should give a signal and allow winding.
 - o Bad switch should be replaced.

When checking switches there might also be need for adjustment, especially for the micro switch down. Ensure that there are at least 2 laps, overlapping, of strap on the drum before micro switch down breaks the winding movement. More laps results in decreased lifting height of RiseBasic.

Above actions and measurements covers most of any potential electronic issues.

Also check that emergency switch moves correctly.

Mechanical movements are checked by running the motor and check:

1. Motor
2. Transmission gears.
3. Single - Fault gear.

All screws and bolts should be tightened. If there is no positive result of the advanced trouble shooting, please contact service support.

6. Resetting the service indicator

Only authorized technicians shall perform this operation on RiseBasic and thorough understanding of the product is a must. Access inside RiseBasic is described in chapter 3 and necessary tools are described in chapter 7.

The service indicator can be reset via hand control or via PCB-card.

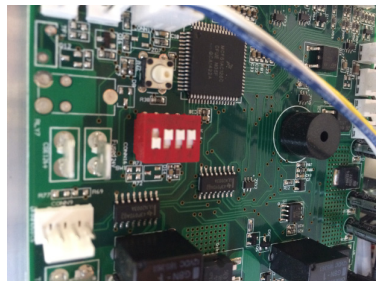
Resetting the service indicator via hand control (need for 6-button hand control),

Ensure that power of the RiseBasic is ON and then press simultaneously ON-button and both SIDE-buttons (all together 3 buttons) for 5 seconds. This will reset the service indicator.

Resetting the service indicator via PCB-card,

Start the operation by Access inside RiseBasic, chapter 3.

Ensure that power of the RiseBasic is ON and then press the white button for 11 seconds. This will reset the service indicator.



7. Tool list RiseBasic

These are the recommended tools to RiseBasic in order to perform basic service:

1. Torx key no.: 6 and 10.
2. Allen key size no.: 2, 2.5 and 5.
3. Pliers.
4. Circlip pliers.
5. Phillips screwdrivers, small.
6. Flat-bladed screwdriver, small.
7. Voltmeter.



8. Spare part list RiseBasic

Spare parts no.	Article	Unit	Components
80100057	Battery CBJ	1 pair	2 x batteries
81000034	Circuit board 300M	1 pce	1 x circuit board
81000035	Circuit board 440M	1 pce	1 x circuit board
81000036	Charger RiseBasic	1 pce	1 x charger CBJ 1 x charger adapter EU 1 x charger adapter UK 1 x charger adapter US 1 x charger adapter AU/NZ
81000037	Lift strap RiseBasic	1 pce	
81000032	Hand control 6-buttons	1 pce	1 x Hand control charger station
81000031	Hand control 4-buttons	1 pce	1 x Hand control charger station
80100130	Hand control Tester Linak	1 pce	
81000038	Cover complete	1 pce	2 x casing top half 4 x K65 M4x8 2 x label Handicare round
81000050	Bottom plate incl. display, RiseBasic	1 pce	



80100057



81000034/81000035



81000037



81000032

81000031

Spare parts no.	Article	Unit	Components
8100009	Wheels	1 pair	2 x circlip 2 x trolley wheel 2 x key DIN6855B 3x3x6
8100051	Hex key 2,5 mm	1 pce	1 x 6-Hex key
8100039	Graphite wheel	1 pair	2 x screw 2 x trolley charging wheel graphite 2 x trolley charging wheel bracket
8100041	Emergency stop indicator	1 set	1 x O-ring 1 x switch lever
8100044	Electrical emergency lowering Basic	1 set	
8100045	Emergency strap 2 m	1 pce	

9. Changing spare parts RiseBasic

9.1 Test and/or replace hand control, spare part no: 81000031

The test and/or replacement of hand control can be performed without opening the RiseBasic cover.

Unplug the hand control from the lift unit by pulling and wiggling the connection plug by hand.

- Check that the entire hand control cable is free from damage and that connection grommets are intact.
- Check that no pins are broken or bent in the connection plug.
- Make a functional test of the hand control using:
 - o Another RiseBasic lift unit or;
 - o Test box according to pictures.

A bad hand control should be replaced and spare part number is 81000031 for the 4-button.

Attach the new hand control by pressing it firmly into the lift unit and ensure that the connector reach the bottom.



A functional test, see chapter 2.3.2 shall be performed of RiseBasic to ensure proper function and notes of change should be presented in the lift unit log.

The bad hand control is recycled through nearest recycling station.



9.2 Test and/or replace battery, spare part no: 80100057

Before testing and/or replacing batteries, ensure that proper charging has been made according to manual. Correct charging should be indicated with LED on both display and charger unit when charger is attached and in end of point charging. Important is that emergency stop is out (not activated) and that charging procedure has been made for at least 30 minutes. RiseBasic shall be fully functional after charging and a green LED indication shall appear on the display. If RiseBasic after charging is indicating low voltage, an audible alarm sound together with orange LED indication on the display, the batteries of RiseBasic should be tested and/or replaced. If RiseBasic is in mode for in-rail-charging the display will signal flashing orange and please check charge connection to rail.

In order to test and/or replace batteries there is a need to open the RiseBasic cover, see chapter 3 Access Inside RiseBasic.

Handling of battery and other electronics shall be performed with caution and the use of ESD protection.

After removing the RiseBasic cover, check the following;

- All cables and connectors are correct attached.
 - o If loose connector is found, attach correctly and reassembly the RiseBasic covers.
 - o Disconnect the fuse before disconnecting the wiring.
- Disconnect the wiring of the battery and disassemble the batteries from the plastic brackets, see picture.
 - o Measure across the Black and Red wire on the battery side, should be 24 – 25 VDC if fully charged.
- Attach the charger to the RiseBasic unit and check charger voltage;
 - o Measure across the Black and Red wire, should be 24 – 29 VDC when the charger is attached.

If there is correct charger voltage and low battery voltage – replace the battery with new battery, spare part no: 81000057.

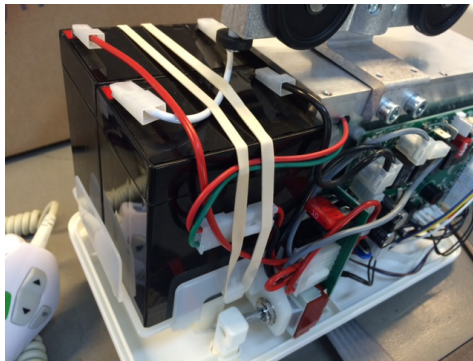
Attach the new battery according to picture and connect terminal. The old battery can be recycled at a recycling station as a lead acid battery, environmental friendly.

Before reassembly the RiseBasic covers, ensure that all connectors are correctly attached and that there are no obstacles.



Set RiseBasic on charge for at least 30 minutes and make a functional control of the lift unit according to chapter 2.3.2. Notes of change should be presented in the lift unit log.

Please contact customer service if there are further issues regarding the battery change.



9.3 Replace circuit board, spare part no: 81000034 or 81000035

The circuit board, spare part no: 81000034, 81000035 is used to **RiseBasic**.

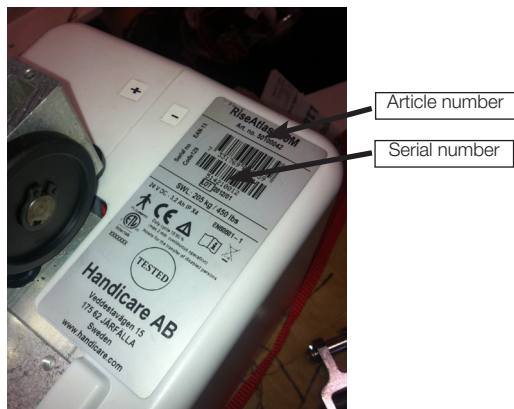
The board Flex-CTH_V2-05A.

9.3.1 Replace circuit board for RiseBasic,

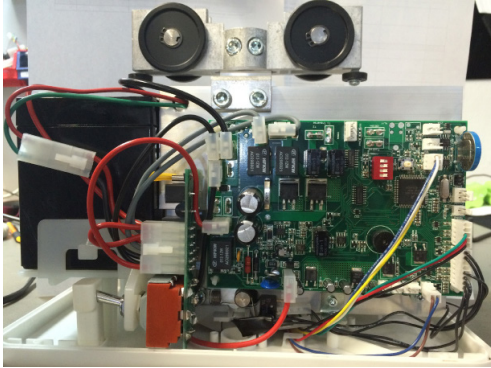
In order to replace circuit board the covers need to be open, see chapter 3 Access Inside RiseBasic of the service manual. Handling of all electronics shall be performed with caution and the use of ESD protection.

Identify your RiseBasic,

RiseBasic article number and serial number is printed on the cover of lift unit.



Change of circuit board RiseBasic,



The picture shows an example of RiseBasic circuit board. Important to disconnect and connect all wirings properly – use marking if necessary.

After removing the RiseBasic cover, please check and perform the following operations:

- Check if all cables and connectors are correct attached.
- If loose connector is found, attach correctly and reassembly the RiseBasic covers. Check functionality in order to establish if it is necessary to change PCB.
- Disconnect the battery or take away the fuse. Important that the power supply is disconnected.
- Remove the old PCB-card from the RiseBasic by:
 - disconnecting all wirings from PCB-card.
 - Take away the old PCB-card by pressing the plastic clips and leave the plastic clips.
- Attach the new PCB-card, spare part no: 81000034 or 81000035, by:
 - Use the existing plastic clips and ensure correct connection.
 - Attach wiring according to disassembly.
 - Ensure correct DIP-switch configuration.
- Attach the battery and make a functional check before closing the cover of lift unit.
- Before reassembly RiseBasic covers, ensure that all connections are correctly attached and that there are no obstacles.

A functional, safety and load test, according to 2.3.2, 2.3.3 and 2.3.4, shall be performed on RiseBasic to ensure proper function and notes of change should be presented in the lift logbook.

9.4 Replace bottom plate incl. display, RiseBasic. Spare part no: 81000050

In order to replace bottom plate there is a need to open the RiseBasic cover, see chapter 3 Access inside RiseBasic.

Handling of electronics shall be performed with caution and the use of ESD protection.

The bottom plate incl. display, spare part no: 81000050, is complete in its delivery.

Remove the bottom plate by:

1. Remove batteries.
2. Disconnect PCB cables to bottom plate.
3. Remove H-adapter from the strap.
4. Remove the inter face plate.
5. Unscrew the four screws that fasten chassies to bottom plate, see picture.
6. Disassemble the chassis from the bottom plate and check the emergency stop, to be reused, and also the end-of-strap limiting switch, to be reused, and make sure that no cables are squeezed.
7. Change the bottom plate and start by fitting the emergency stop and limit switch.
8. Tighten the chassis screws.
9. Connect the cables.
10. Assemble the batteries.

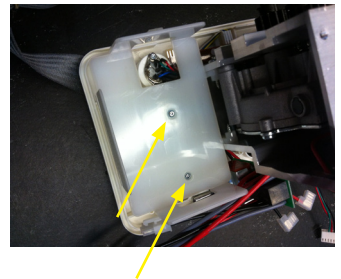
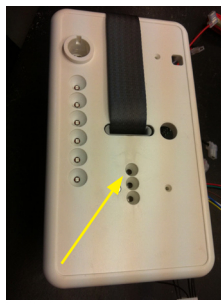
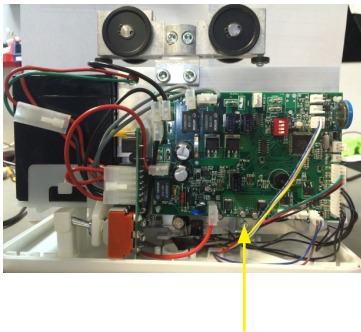
Make an initial function test before closing the cover.

Before reassembly the RiseBasic covers, ensure that all connectors are correctly attached and that there are no obstacles.



A functional, safety and load test, according to 2.3.2, 2.3.3 and 2.3.4, shall be performed of RiseBasic to ensure proper function and notes of change should be presented in the lift logbook.

The old parts can be recycled at the nearest recycling station

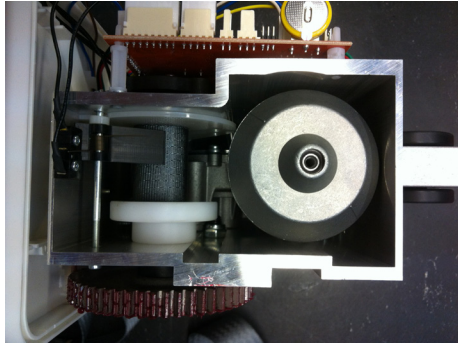


9.5 Replace Lifting Strap, RiseBasic. Spare part no: 81000037

In order to replace Lifting Strap there is a need to open the RiseBasic cover, see chapter 3 Access Inside RiseBasic.

Place the RiseBasic on a working table and use the DOWN button to run out as much strap as possible.

Check the lift strap drum from the side (should be winded) and run the drum, by pressing limit switch and DOWN button simultaneously, in order to get the last bit of strap out. A small gap will be visible when in position, see picture.



Remove the battery below the motor in order to access lift strap drum.

Remove the bottom plate to be able to unmount the strap steering and then pull out the strap.

Demount the old strap from the drum using a small screw driver and pliers and finally pull out the strap through the strap guide.

Assemble the new strap, spare part no: 81000037, by threading the end of the strap through the strap guide and through the strap drum shaft. Don't forget the safety pin!

Wind the strap to drum by pressing UP button.

Check the lower limit, end of drum, and ensure that there are at least 2 laps of strap on the drum before limit switch brakes winding movement.

Assemble the battery in the plastic bracket.

Before reassembly the RiseBasic covers, ensure that all connectors are correctly attached and that there are no obstacles.



A functional, safety and load test, according to 2.3.2, 2.3.3 and 2.3.4, shall be performed of RiseBasic to ensure proper function and notes of change should be presented in the lift logbook.

The old parts can be recycled at the nearest recycling station.

10. Component List - RiseBasic

REVISION HISTORY

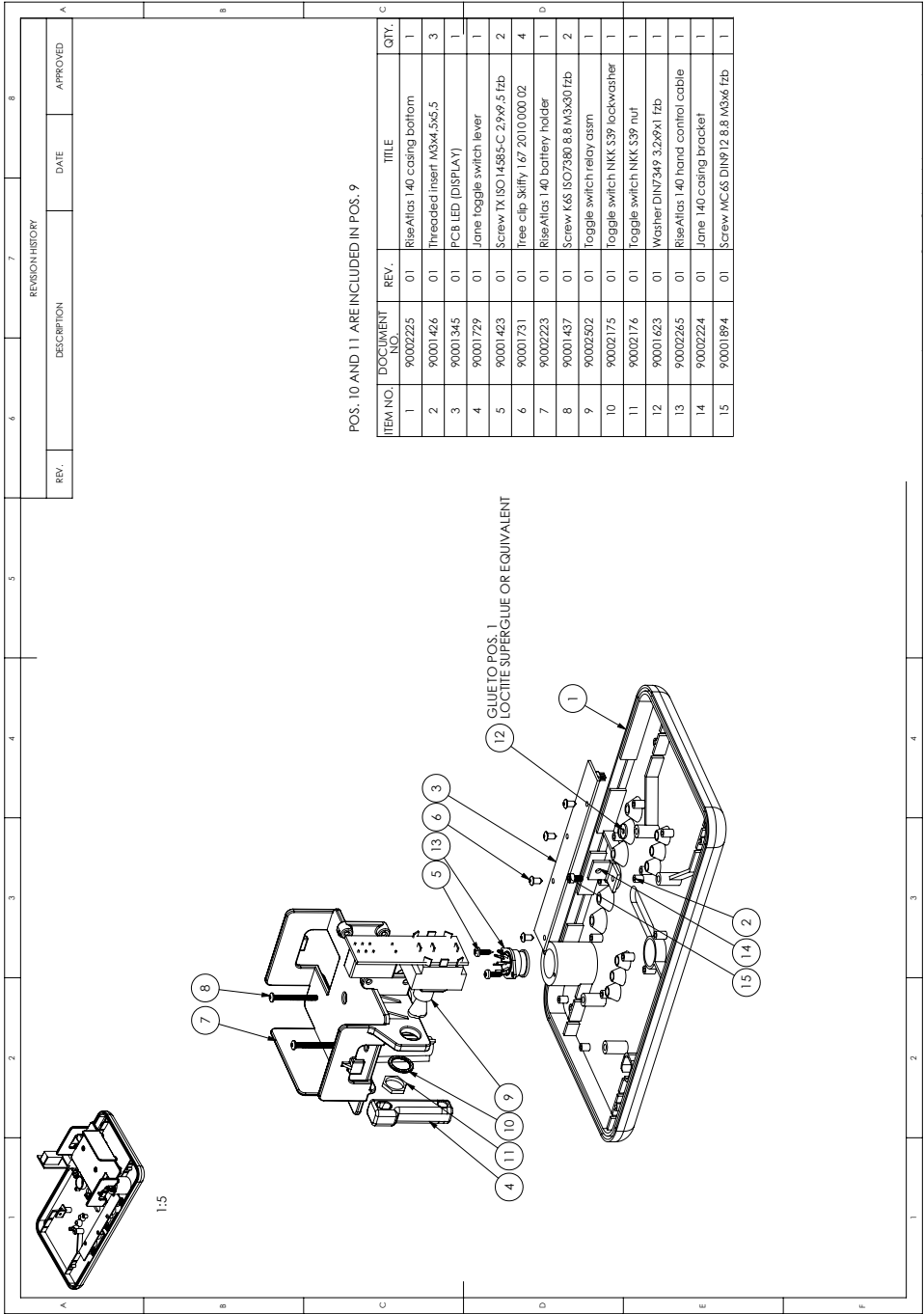
REV.	DESCRIPTION	DATE	APPROVED
02	Change to 19.002221-1.124.	2013.10.21	nc-5266

TRIAL NO.	DOCUMENT NO.	REV.	TITLE	QTY.
1	90001156	01	Screen membrane display panel.	1
2	90001440	01	Screen panel with 3.5" LCD panel mem.	1
3	90001535	01	Screen panel with 3.5" LCD panel mem.	1
4	90001535	02	Screen panel with 3.5" LCD panel mem.	1
5	90001735	01	Screen panel with 3.5" LCD panel mem.	1
6	90001735	02	Screen panel with 3.5" LCD panel mem.	1
7	90001735	03	Screen panel with 3.5" LCD panel mem.	1
8	90001735	04	Screen panel with 3.5" LCD panel mem.	1
9	90001735	05	Screen panel with 3.5" LCD panel mem.	1
10	90001152	01	Screen panel with 3.5" LCD panel mem.	1
11	90001152	02	Screen panel with 3.5" LCD panel mem.	1
12	90001152	03	Screen panel with 3.5" LCD panel mem.	1
13	90001152	04	Screen panel with 3.5" LCD panel mem.	1
14	90001364	01	Screen panel with 3.5" LCD panel mem.	1
15	90001364	02	Screen panel with 3.5" LCD panel mem.	1
16	90001364	03	Screen panel with 3.5" LCD panel mem.	1
17	90001152	01	Screen panel with 3.5" LCD panel mem.	1
18	90001152	02	Screen panel with 3.5" LCD panel mem.	1
19	90001152	03	Screen panel with 3.5" LCD panel mem.	1
20	90001152	04	Screen panel with 3.5" LCD panel mem.	1
21	90001440	01	Screen panel with 3.5" LCD panel mem.	1
22	90001440	02	Screen panel with 3.5" LCD panel mem.	1
23	90001440	03	Screen panel with 3.5" LCD panel mem.	1
24	90001440	04	Screen panel with 3.5" LCD panel mem.	1
25	90001440	05	Screen panel with 3.5" LCD panel mem.	1
26	90001440	06	Screen panel with 3.5" LCD panel mem.	1
27	90001440	07	Screen panel with 3.5" LCD panel mem.	1
28	90001440	08	Screen panel with 3.5" LCD panel mem.	1
29	90001440	09	Screen panel with 3.5" LCD panel mem.	1
30	90001440	10	Screen panel with 3.5" LCD panel mem.	1
31	90001440	11	Screen panel with 3.5" LCD panel mem.	1
32	90001440	12	Screen panel with 3.5" LCD panel mem.	1
33	90001440	13	Screen panel with 3.5" LCD panel mem.	1
34	90001440	14	Screen panel with 3.5" LCD panel mem.	1
35	90001440	15	Screen panel with 3.5" LCD panel mem.	1
36	90001440	16	Screen panel with 3.5" LCD panel mem.	1
37	90001440	17	Screen panel with 3.5" LCD panel mem.	1
38	90001440	18	Screen panel with 3.5" LCD panel mem.	1
39	90001440	19	Screen panel with 3.5" LCD panel mem.	1
40	90001440	20	Screen panel with 3.5" LCD panel mem.	1
41	90001440	21	Screen panel with 3.5" LCD panel mem.	1
42	90001440	22	Screen panel with 3.5" LCD panel mem.	1
43	90001440	23	Screen panel with 3.5" LCD panel mem.	1
44	90001440	24	Screen panel with 3.5" LCD panel mem.	1
45	90001440	25	Screen panel with 3.5" LCD panel mem.	1
46	90001440	26	Screen panel with 3.5" LCD panel mem.	1
47	90001440	27	Screen panel with 3.5" LCD panel mem.	1
48	90001440	28	Screen panel with 3.5" LCD panel mem.	1
49	90001440	29	Screen panel with 3.5" LCD panel mem.	1
50	90001440	30	Screen panel with 3.5" LCD panel mem.	1
51	90001440	31	Screen panel with 3.5" LCD panel mem.	1
52	90001440	32	Screen panel with 3.5" LCD panel mem.	1
53	90001440	33	Screen panel with 3.5" LCD panel mem.	1
54	90001440	34	Screen panel with 3.5" LCD panel mem.	1
55	90001440	35	Screen panel with 3.5" LCD panel mem.	1
56	90001440	36	Screen panel with 3.5" LCD panel mem.	1
57	90001440	37	Screen panel with 3.5" LCD panel mem.	1
58	90001440	38	Screen panel with 3.5" LCD panel mem.	1
59	90001440	39	Screen panel with 3.5" LCD panel mem.	1
60	90001440	40	Screen panel with 3.5" LCD panel mem.	1
61	90001440	41	Screen panel with 3.5" LCD panel mem.	1
62	90001440	42	Screen panel with 3.5" LCD panel mem.	1
63	90001440	43	Screen panel with 3.5" LCD panel mem.	1
64	90001440	44	Screen panel with 3.5" LCD panel mem.	1
65	90001440	45	Screen panel with 3.5" LCD panel mem.	1
66	90001440	46	Screen panel with 3.5" LCD panel mem.	1
67	90001440	47	Screen panel with 3.5" LCD panel mem.	1
68	90001440	48	Screen panel with 3.5" LCD panel mem.	1
69	90001440	49	Screen panel with 3.5" LCD panel mem.	1
70	90001440	50	Screen panel with 3.5" LCD panel mem.	1

1:5

LOCITITE 2701 OR EQ.

SECOND CASING HALF NOT VISIBLE



POS. 10 AND 11 ARE INCLUDED IN POS. 9

ITEM NO.	DOCUMENT NO.	REV.	TITLE	QTY.
1	90002225	01	Rise-Atlas 140 casing bottom	1
2	90001426	01	Threaded insert M3x4.5x5.5	3
3	90001345	01	PCB LED (DISPLAY)	1
4	90001729	01	Jane toggle switch lever	1
5	90001423	01	Screw IX ISO I4585-C 2.9x9.5 fzb	2
6	90001731	01	Tree clip Skiffy 1.67 2010.000.02	4
7	90002223	01	Rise-Atlas 140 battery holder	1
8	90001437	01	Screw K6S ISO7380.8.8 M3x30 fzb	2
9	90002302	01	Toggle switch relay asstm	1
10	90002175	01	Toggle switch NKK S39 lockwasher	1
11	90002176	01	Toggle switch NKK S39 nut	1
12	90001623	01	Washer DIN7349 3.2x9x1 fzb	1
13	90002265	01	Rise-Atlas 140 hand control cable	1
14	90002224	01	Jane 140 casing bracket	1
15	90001894	01	Screw MC6S DIN912 8.8 M3x6 fzb	1

11. Inspection RiseBasic

Inspection of shall be performed by authorized personnel and inspections are to be made at the following scenarios.

- **First-time inspection** – inspection to be performed when first-time installation or first-time assembly has been made to equipment. Inspection includes all categories below.
- **Periodic inspection** – inspection to be performed annually at least every year on the equipment. Inspection includes all categories below.
- **Verification inspection** – inspection to be performed when essential spare parts have been changed and necessary inspection is stated in chapter 9.

Note!

Any observations, including defects and damage, of importance for the safety of the lift unit should be noted in the RiseBasic logbook which should be retained by the person responsible for the servicing/maintenance of the RiseBasic. Also the date when corrective actions are taken, in response to noted observations, should also be noted in the logbook.

Defects and damage should be reported back to the manufacturer for action and this feedback should be reported in the logbook.

Every inspection performed on the RiseBasic shall be noted in the RiseBasic logbook and a record, such as Inspection List chapter 11.1, shall be included. The inspection record should be retained safely for examination in the event of an incident.

If inspection reveals any effect, wear or other damage that jeopardizes the safety of RiseBasic, the owner should immediately be notified. In the event of immediate danger to safety, the RiseBasic should immediately be taken out of service. It may then not be used until the deficiency has been eliminated.

A checklist for the Inspection is presented in section 11.1 The different inspection categories contain.

A. Visual Inspection of RiseBasic,



0. Inspect the lift for signs of wear and damage.
1. Check the entire length of the strap for signs of damage and inspect seams for wear.
2. Check cables and connections for signs of any wear and correct connection.
3. Check any user notes regarding reported errors in logbook.
4. Check correct labelling and marking of equipment.
5. Check that necessary documentation, manual and service manual and logbook, is available for the lift.
6. Check that the lift works in a correct environment, absence of water and no flammable area.

B. Functionality testing of RiseBasic,



0. Check start and stop functions.
1. Check charge level and charging function.
2. Check to ensure that hand control markings are consistent with lift functions.
3. Check up/down function and transfer movement (if applicable).
4. Check movement in overhead system.
5. Check limit switch functions.

C. Safety testing of RiseBasic,



0. Emergency stop device.
1. Emergency lowering, mechanical and electrical.
2. Check all connection points, both H-adapter and sling bar safety latches.

D. Load and speed testing of RiseBasic (performance),



0. Every first-time and periodic inspection shall include a working load test (safe working load) of one (1) lifting cycle with the maximum load.
1. Check that maximum speed up/down of the lift is not exceeded. Maximum 0,25 m/s unloaded and maximum 0,15 m/s loaded.

E. Overhead systems,



1. Check that there are no signs of wear or damage on the overhead system structure (ceiling, wall mounted, upright supports) and particularly load bearing structure.
2. Check screws, bolts and nuts that they are correctly assembled and attached according to Installation manual.
3. Check functionality and movement of system, traverse or single rail.
4. Check to ensure that the rail system is equipped with functional end stops.
5. Check labelling of equipment.
6. Check that overhead system documentation, Installation manual, is available.
7. Check functionality and safety of other accessories, such as gates and switches.
8. Customer has received a training in operation and charging routines.
9. Photograph all installations and the areas surrounding the installations.
10. Clean the overhead system and working area.
11. Accessories
12. Every first-time installation and periodic inspection of an overhead system structure shall include a load test according to (Weight testing procedure).

Overhead systems shall be installed, separate operation, according to installation manual and copy of installation certificate shall be found in logbook.

11.1 Inspection check list RiseBasic

Lift type:

Contract no.:

s/n:

Name:

Version:

Address:

Prod. year:

Type of inspection: First-Time Inspection
 Periodic Inspection
 Verification Inspection

	A. Ocular inspection of		D. Load and speed testing of (performance)
0	Wear and damage.	0	Test load
1	Strap	1	Speed up/down
2	Cables and connections		
3	Reported errors		E. Overhead systems
4	Correct labelling	1	Wear or damage
5	Documentation	2	Screws, bolts
6	Environment	3	Functionality
		4	End stops
	B. Functionality testing of	5	Trolley
0	Start and stop	6	Labelling
1	Charge	7	Installation Manual
2	Hand Control	8	Operation and charging routines
3	Up/down function	9	Photograph
4	Movement	10	Cleaning
5	Limit switch	11	Accessories
		12	Weight testing procedure
	C. Safety testing of		
0	Emergency stop		
1	Mechanical and electrical.		
2	Connection points		

In accordance with ISO 10535:2006 Annex A-Periodic inspection

Date of inspection: _____

Test-loaded with: _____

Sign installer: _____

Sign Customer: _____

Maintenance

The lift must undergo thorough inspection at least once per year. Inspection must be performed by authorized personnel and in accordance with Handicare's service manual.

Repairs and maintenance may only be done by authorized personnel using original spare parts.



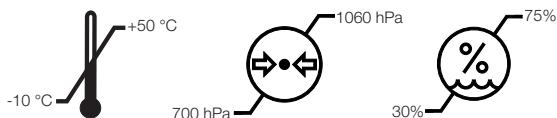
Used batteries are to be left at the nearest recycling station. Spent batteries can also be returned to Handicare or a Handicare dealer for recycling.

Cleaning/disinfection

If necessary, clean the lift with warm water or a soap solution and check that the castors are free from dirt and hair. Do not use cleaning agents containing phenol or chlorine, as this could damage the aluminium and the plastic materials. If disinfection is needed, 70 % ethanol, 45 % isopropanol or similar should be used.

Storage and transportation

If the lift is not to be used for some time or e.g., during transport, we recommend that the emergency stop button be pressed in. The lift should be transported and stored in -10 ° C to + 50 ° C and in normal humidity, 30% -75 %. The air pressure should be between 700 and 1060 hPa. Let the lift reach room temperature before the batteries are charged or the lift is used.



Service agreements

Handicare offers service agreements for maintenance and regular testing of your lift unit. Contact your local Handicare representative.

Serial number



Technical Information

Lift motor	24 V DC
Lifting speed	2,0 cm/s (3,0 cm/s), 1.5 inch/s (2.0 imch/s) with (without) load
Charger IN	Mascot 2240 100-240 V AC/ 50-60 Hz Max 0,55 A. FW7218M/24: 100-240 V~/50-60 Hz/250 mA/25 VA
Charger OUT	24 V DC \pm 0,3 Max 0,5 A, FW7218M/24: 24 V---/0,5A/12 VA
Batteries	24 V DC (2 st 12 V DC) 2,9 Ah.
Motor cover	Flame-resistant ABS plastic
Hand control	Electronic
Emergency lowering	Manual and electrical
Lift weight	6,8 kg, 14.99 lbs
Lifting range	200 cm, 78,7 inch
SWL RiseBasic440M	200 kg, 440 lbs
SWL RiseBasic300M	138 kg, 300 lbs
Sound level, with load	Upwards: 50 dB, Downwards: 51 dB
Operating forces buttons on hand control	4N
Lift measurements	26,6 x 15,1 x 15,6 cm, 10.5 x 5.9 x 6.1 inch
Intermittent operation	Op 10/90, active op. max. 2 min. Out of a time of 100, active time must be less than 10, though not more than 2 min.
IP class, lift unit	IP20
IP class, hand control	IPX4
Expected service life	10 years



The device is intended for indoor use.



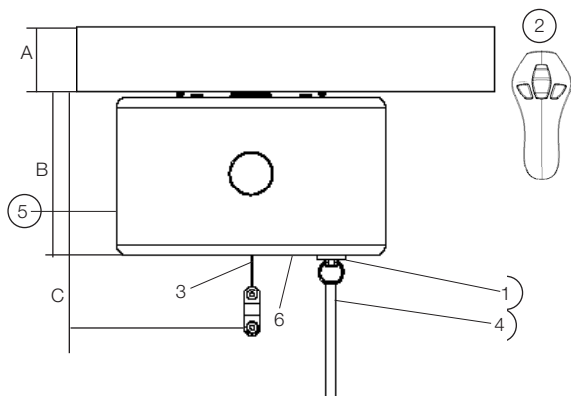
Type B, according to the degree of protection against electric shock.



Class II equipment

Medical Device Class I. The product complies with the requirements of the Medical Devices Directive 93/42/EEC.

Detailed description



1. Outlet for hand control
 2. Hand control
 3. Lift strap
 4. Emergency stop and electrical emergency lowering
 5. Manual emergency lowering/raising
 6. Control panel
- A. Rail 6.4-16.0 cm
B. Lift unit overall height 16.0 cm
C. Installation height 23.0 cm

Installation height on SlingBar M, 327 mm

14. Logbook RiseBasic

- RiseBasic300M 50100039
- RiseBasic440M 50100040

Start by filling in the Installation Certificate Overhead Systems as soon as the equipment is installed and important is that the installer/service technician signs the document.

Detailed descriptions for service, maintenance and inspections can be found in the User Manual and Service Manual.

Note!

Any observations, including defects and damage, of importance for the safety of the hoist should be noted in the RiseBasic logbook which should be retained by the person responsible for the servicing/maintenance of the RiseBasic. Also the date when corrective actions are taken, in response to noted observations, should also be noted in the logbook.

Defects and damage should be reported back to the manufacturer for action and this feedback should be reported in the logbook.

Every inspection performed on the RiseBasic shall be noted in the RiseBasic logbook and a record, such as Inspection List chapter 11.1, shall be included. The inspection record should be retained safely for examination in the event of an incident.

If inspection reveals any effect, wear or other damage that jeopardizes the safety of RiseBasic, the owner should immediately be notified. In the event of immediate danger to safety, the RiseBasic should immediately be taken out of service. It may then not be used until the deficiency has been eliminated.

Installation Certificate Overhead Systems

Installation date:..... Order.no: Sign installer:..... Sign customer:.....

Installation address:

Customer :Telephone:.....Date/Year:.....

Address:.....

	RiseBasic 300M	RiseBasic 440M	Serial.no.	Delivery date	Test Load (X)kg
<i>Liift</i>					
<i>Other</i>					
<i>Railsystem: MilkyWay</i>	<i>In concrete ceiling</i>	<i>With wall brackets</i>	<i>With Vertical Support</i>	<i>Other</i>	<i>Test Load (X)kg</i>
<i>Railsystem: Other</i>	<i>With wooden beams</i>				
<i>Straight Rail</i>					
<i>Straight Rail with Curve</i>					
<i>Traverse system</i>					

As responsible installer I hereby declare that this object is installed with EN ISO10535: 2006 certified products . The installation is made with Handicare certified partners for MilkyWay railsystem. Every First-time installation and Periodic inspection of an overhead system structure shall include a load test according to (Weight testing procedure). The system has been approved (Yes)

Logbook:

Observation (by the user or technician):
Corrective action (service or maintenance):
Inspection: First-time Inspection Periodic Inspection Verification Inspection

Date:..... Custom.no: Order.no: Equip.no:

Lift has been approved (Yes/No) _____ Remarks: _____

Performed by:..... Sign customer:.....

Logbook:

Observation (by the user or technician):
Corrective action (service or maintenance):
Inspection: First-time Inspection Periodic Inspection Verification Inspection

Date:..... Custom.no: Order.no: Equip.no:

Lift has been approved (Yes/No) _____ Remarks: _____

Performed by:..... Sign customer:.....

Logbook:

Observation (by the user or technician):
Corrective action (service or maintenance):
Inspection: First-time Inspection Periodic Inspection Verification Inspection

Date:..... Custom.no: Order.no: Equip.no:

Lift has been approved (Yes/No) _____ Remarks: _____

Performed by:..... Sign customer:.....

Logbook:

Observation (by the user or technician):
Corrective action (service or maintenance):
Inspection: First-time Inspection Periodic Inspection Verification Inspection

Date:..... Custom.no: Order.no: Equip.no:

Lift has been approved (Yes/No) _____ Remarks: _____

Performed by:..... Sign customer:.....

Logbook:

Observation (by the user or technician):

Corrective action (service or maintenance):

Inspection: First-time Inspection Periodic Inspection Verification Inspection

Date:..... Custom.no: Order.no: Equip.no:

Lift has been approved (Yes/No) _____ Remarks: _____

Performed by:.....Sign customer:.....

Logbook:

Observation (by the user or technician):

Corrective action (service or maintenance):

Inspection: First-time Inspection Periodic Inspection Verification Inspection

Date:..... Custom.no: Order.no: Equip.no:

Lift has been approved (Yes/No) _____ Remarks: _____

Performed by:.....Sign customer:.....

Logbook:

Observation (by the user or technician):

Corrective action (service or maintenance):

Inspection: First-time Inspection Periodic Inspection Verification Inspection

Date:..... Custom.no: Order.no: Equip.no:

Lift has been approved (Yes/No) _____ Remarks: _____

Performed by:.....Sign customer:.....

Logbook:

Observation (by the user or technician):

Corrective action (service or maintenance):

Inspection: First-time Inspection Periodic Inspection Verification Inspection

Date:..... Custom.no: Order.no: Equip.no:

Lift has been approved (Yes/No) _____ Remarks: _____

Performed by:.....Sign customer:.....

Simple solutions for great results

SystemRoMedic™ is the name of Handicare's unique easy transfer concept, the market's widest and most comprehensive range of clever, easy-to-use and safe transfer and lifting aids designed to make life easier, both for the user and for the caregiver. SystemRoMedic™ is a complete solution that provides for the majority of patient transfer or manual handling requirements. From the simplest to the most complex scenarios, from the lightest to the heaviest. The concept encompasses assistive devices for four different categories of transfers:

- Transfer, assistive devices for manual transfers of users between two locations.
- Positioning, assistive devices for manual repositioning of users within the same location.
- Support, assistive devices for mobility support e.g., during sit-to-stand or gait training.
- Lifting, assistive devices for manual and mechanical lifting of users.

Improved work environment, improved quality of care and cost savings

The philosophy behind SystemRoMedic™ is focused on the prevention and reduction of occupational injuries while allowing users to experience a greater sense of independence and dignity. Through a unique combination of training and a complete range of efficient transfer aids, SystemRoMedic™ offers improvement of both work environment and quality of care and, at the same time, achieves significant cost savings.

Always make sure that you have the correct version of the manual

The most recent version of all manuals are available for downloading at/from our website; www.handicare.com.

For questions about the product and its use

Please contact your local Handicare and SystemRoMedic™ representative. A complete list of all our partners with their contact details can be found on our website; www.handicare.com.

Handicare offers solutions and support to increase the independence of disabled or elderly people as well as to improve the convenience of those who are caring for them.

The Handicare Group is one of the leading healthcare companies in Europe with its own manufacturing organizations and sales companies in Norway, Sweden, Denmark, Germany, the Netherlands, Great Britain, France, China, Canada and the USA. Handicare's products are also distributed by partners in more than 40 countries worldwide. Our wide range of high-quality products includes a complete easy transfer system and other patient handling aids, stairlifts, car adaptations and bathing and toileting products.



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