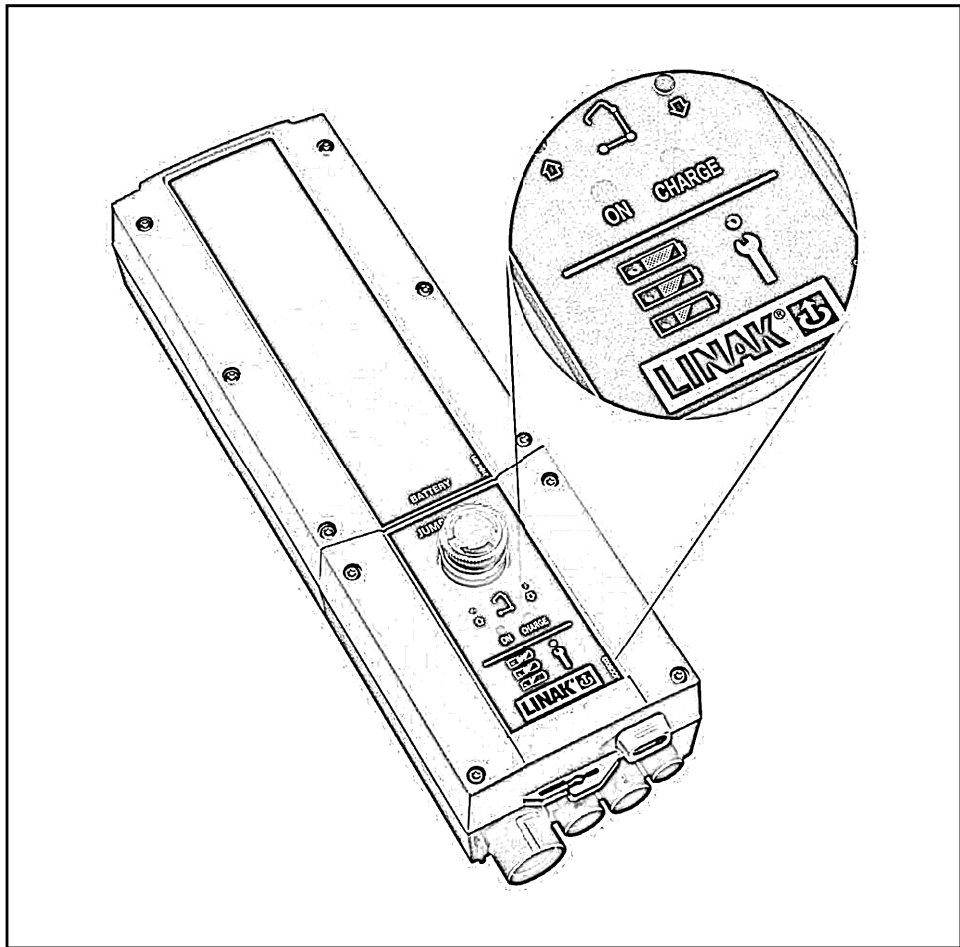


VANCARE®

We move body and mind

INTELLIPAC



Contact Vancare:

1.800.694.4525

www.vancare.com

LINAK® 
WE IMPROVE YOUR LIFE

Contents

Preface	4
Important information	5
Safety instructions	5
Before start-up	6
During operation	6
Maintenance	6
Manufacturer's declaration	7
IP Protection degree	8
Environmental conditions	9
Label	9
Key to symbols	10
System and compatibility	11
General description; control box	12
General description; external charger option CHJ2	13
General description; batteries BAJ1 or BAJ2	14
CBJ-Care versions	15
What to read out of the diodes	15
Service	15
Battery	15
What to read out on the display	15
Driving information	15
Battery	16
Charging of battery	16
Service	16
Overload	16
Service informaton read-out	17
Use of Service data tool with CBJ-Care	17
How to use the lowering/lifting function on the control box	17
Learn mode for current cut-off	17
Learn mode function	17
How to use learn mode	17
Procedure for registration of max weight	18
Precautions	18
Hand controls for CBJ-Care	19
Mounting of CBJ-Care	20
Mounting brackets available	21
Drawings	22
Repairs	23
Warranty and service life	23
Disposal of LINAK's products	23
Declaration of conformity	24
LINAK application policy	25
Addresses	28

Preface

We are delighted that you have chosen a product from LINAK®.

LINAK systems are high-tech products based on many years of experience in the manufacture and development of actuators, electric control boxes, controls and chargers.

This User Manual will tell you how to install, use and maintain your CBJ-Care.

We are sure that your LINAK system will give you many years of problem-free operation. Before our products leave the factory they undergo full function and quality testing. Should you nevertheless experience problems with your systems, you are always welcome to contact your local dealer.

LINAK subsidiaries and some distributors situated all over the world have authorized service centres, which are always ready to help you.

LINAK provides a warranty on all its products. This warranty, however, is subject to correct use in accordance with the specifications, maintenance being done correctly and any repairs being carried out at a service centre, which is authorized to repair LINAK products.

Changes in installation and use of LINAK systems can affect their operation and durability. The products are not to be opened by unauthorized personnel. The User Manual has been written on the basis of our present technical knowledge. We are constantly working on updating the information and we therefore reserve the right to carry out technical modifications.

LINAK A/S

Important information

Description of the various signs used in this manual.

Warning!



Failure to comply with these instructions may result in accidents involving serious personal injury.



Failing to follow these instructions can result in the product being damaged or destroyed.

Safety instructions



Safe use of the system is possible only when the operating instructions are read completely and the instructions contained are strictly observed.

Failure to comply with instructions marked with the "NOTE" symbol may result in serious damage to the system or one of its components.

Persons who do not have the necessary experience or knowledge of the product/products must not use the product/products. Besides, persons with reduced physical or mental abilities must not use the product/products, unless they are under surveillance or they have been thoroughly instructed in the use of the apparatus by a person who is responsible for the safety of these persons.

Moreover, children must be under surveillance to ensure that they do not play with the product.



It is important for everyone who is to connect, install, or use the systems to have the necessary information and access to this User Manual.



If there is visible damage to the product it must not be installed.



The appliance is not intended for use by young children or infirm persons without supervision.



Young children should be supervised to ensure that they do not play with the appliance.



The LINAK products cannot tolerate the influence of strong solvents, basic or alkaline liquids.



Residual risk

Some of the products contains software based components. LINAK has done various possible efforts to assure that the software is free of errors and that the software has been developed according to the rules of IEC 60601-1-4 (software in Medical products). That involves Risk Analysis which shows a small residual risk for unwanted/unintended movement of actuators under specific conditions.

According to the above rules it must be informed and if necessary considered in the Risk analysis of the final application - More details to residual risk can be provided by LINAK if necessary.



Warning!

The plastic parts in the system cannot tolerate cutting oil.



Warning!

LINAK's actuators and electronics are not constructed for use within the following fields:

- Planes and other aircrafts
- Explosive environments
- Nuclear power generation



Warning!

If faults are observed, the products must be replaced.

Before start-up

- Make sure that the system has been installed as instructed in the User Manual.
- Make sure that the voltage of the control box is correct before the system is connected to the mains.
- System connection. The individual parts must be connected before the control box is connected to the mains.

During operation

- Ensure that the cables are not damaged.
- Unplug the mains cable on mobile equipment before it is moved.

Maintenance

- The LINAK products must be cleaned at regular intervals to remove dust and dirt and inspected for mechanical damage, wear and breaks.
- The LINAK CBJ's are closed units and require no internal maintenance.
- Electronics must be inspected at attachment points, wires, cabinet and plugs.
- Inspect the connections, cables, cabinet and plugs and check for correct functioning.



DECLARATION OF INCORPORATION OF PARTLY COMPLETED MACHINERY

LINAK A/S
Smedevænget 8
DK - 6430 Nordborg

Name and address of the person authorized to compile the relevant technical documentation:
John Kling, Group Headquarters, Guderup, DK-6430 Nordborg, email jkl@linak.com

Herewith declares that LINAK Actuators and Actuator Systems comply with the following parts of the Machinery Directive 2006/42/EC, ANNEX I, *Essential health and safety requirements relating to the design and construction of machinery*:

1.5.1 Electricity supply: *Directive 2006/95/EC on the harmonization of the laws of Member States relating to electrical equipment designed for use within certain voltage limits.*

1.5.10 Radiation, 1.5.11 External radiation: *Directive 2004/108/EC on the approximation of the laws of the Member States relating to electromagnetic compatibility.*

The relevant technical documentation is compiled in accordance with part B of Annex VII and that this documentation or part hereof will be transmitted by post or electronically to a reasoned request by the national authorities.

This partly completed machinery must not be put into service until the final machinery into which it is to be incorporated has been declared in conformity with the provisions of this Directive, where appropriate.

Date: 2010-01-01

Signature:



John Kling
Certification and Regulatory Affairs

IP Protection degree

All LINAK products can be cleaned as followed according to their IP protection which is stated on the product label.

IP Protection	Cleaning instructions
IPX4	Clean with a damp cloth.

X can have a value of between 1 and 6.

The materials are resistant to the majority of cleaners and disinfectants used in the hospital and nursing home sector.

Cleaning with a steam cleaner, for example, is not permitted, as it will not be possible to maintain a minimum distance of 300 mm from the electrical parts. When cleaning note that:

- The handset and motor plug must be pushed right in.
- The water temperature must not exceed 65°C.
- Cooling with cold water is not permitted.

The following directions regarding cleaners and disinfectants must be complied with:

- They must not be highly alkaline or acidic (pH value 6-8).
- They must not contain caustic agents.
- Their contents must not be able to change the structure of the surface or adhesion of the plastic.
- They must not break down grease.

The following disinfectants/detergents are recommended:

- Neodischer Dekonta, dosage 1-3%, made by CHEMISCHE FABRIK Dr. WEIGERT
- CCOTRADE RW, dosage 0.5%, made by CCOTRADE GmbH.



Warning!

The systems must not be sprayed directly with a high-pressure cleaner.


Environmental conditions

Environment conditions	
Operating:	
Temperature	5°C to 40°C
Relative humidity	20% to 90% @ 30°C – not condensing
Atmospheric pressure	700 to 1060 hPa
Storage:	
Temperature	-10°C to +50°C
Relative humidity	20% to 90% @ 30°C – not condensing
Atmospheric pressure	700 to 1060 hPa

Valid where nothing otherwise is stated under the specific products in a later section.

Labels

CBJ-Care





LINAK[®]

WE IMPROVE YOUR LIFE
DESIGNED IN DENMARK

Item: CBJC0155C011014
Date: 2010.08.12 S.O.222222
P.O. :111111-0002
MADE BY LINAK A/S DENMARK

U In : 100 - 240 V~. 50-60 Hz,
I In : Max. 400 mA. 37-53-VA
U Out: 24 V=, max. 250 VA / IPX4
Int. : 10%, Max. 2min. / 18min.








C/N **120690**
Conforms to UL Std. 60601-1
US Certified to CAN/CSA Std. C22.2 No.5015

Key to symbols

The following symbols are used on the label on the LINAK products.

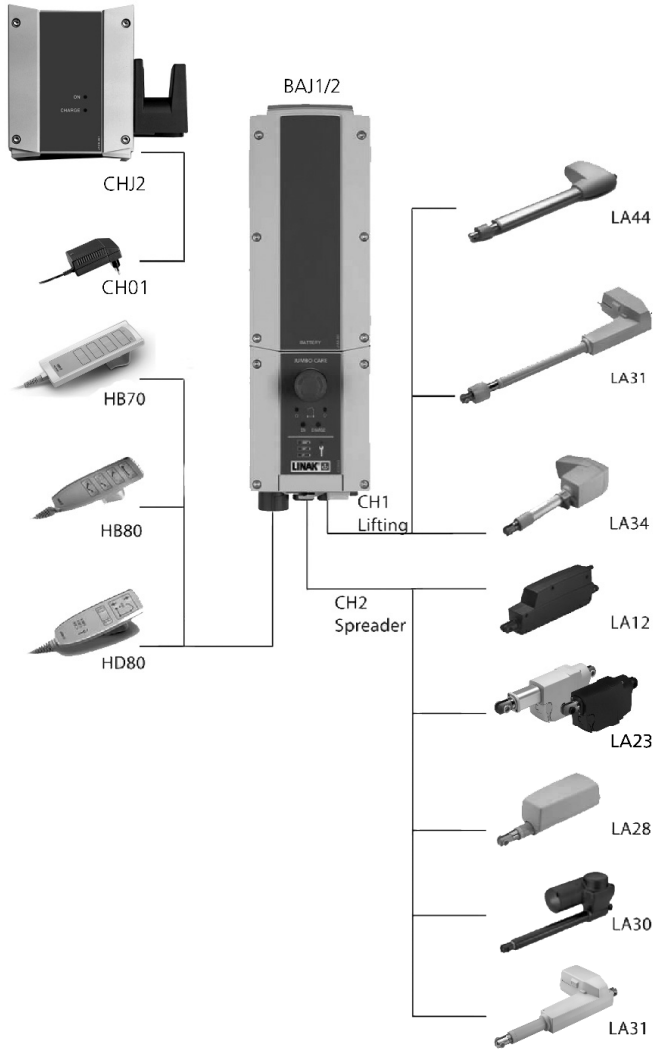
	Type B equipment, as per EN60601-1		ETL
IPXX	Protection against contact/foreign matter (first character) and water (second character) as per EN60529		C-ETL
	Class 2 equipment	CS95145V	
	For indoor use	LGA 	LGA
	Alternating Current		UL Listing Mark
	Direct current		C-UL Listing Mark
	Attention, consult accompanying documents		C-UL US Listing Mark
	Demko approval		UL Listing Mark
	Fimko approval	File E97199	UL file number
		File E175209	UL file number
		File E151104	UL file number
APPROVAL V94265	Australian approval mark		CSA
APPROVAL NO.:97122	Australian approval mark		PSE-Mark
	Recognised - Component Mark		Product with a thermofuse
	Canadian Recognised - Component Mark		Electronics scrap
	Recognised Component Mark for Canada and the United States		Equipment Kl.2 (Double square)
	T-Mark		CE Mark
	RW-Tüv approval		C-TICK
	Tüv. Produkt Service		China RoHS
	TÜV Rheinland		
			

System and compatibility

Channel 1: LA31, LA34, LA44

Channel 2: LA28 (Standard and fast motors 24V), LA31 (Standard and fast motors (24V)), LA12 (Standard motor), LA30 (Standard motor), LA23 (B Motor).

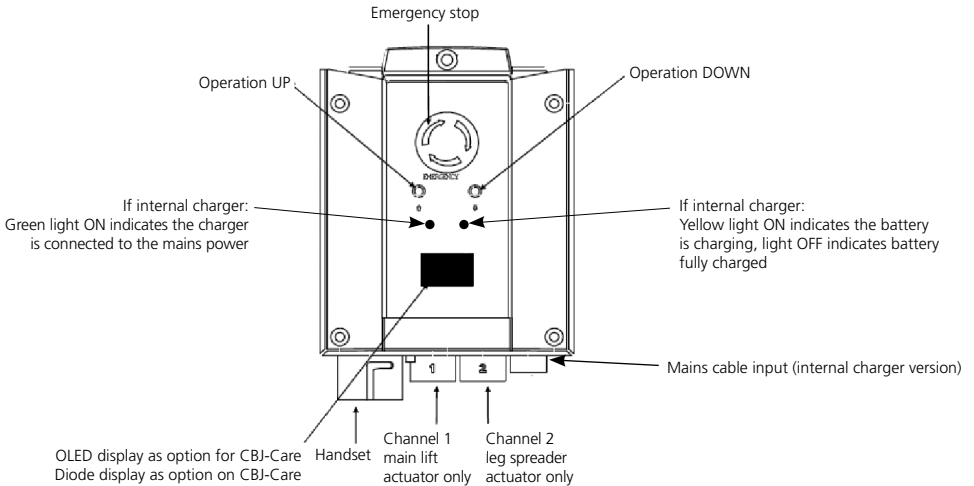
HB: HB70, HB80, HD80.



Precautions:

It is not possible to use other battery types than BAJ1/BAJ2 with the CBJ-Care.

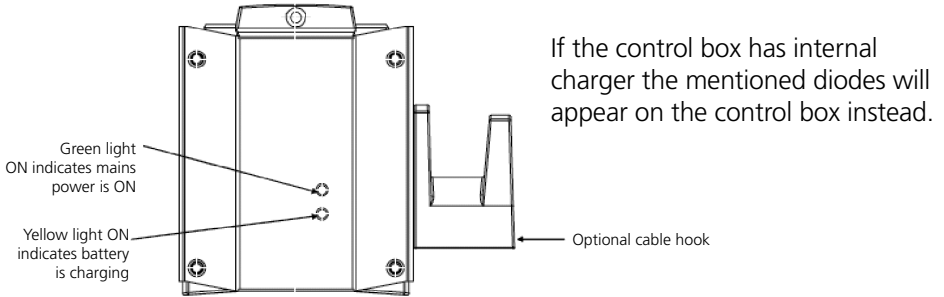
General description; control box



The CBJ-Care control box provides:

- Switching and direction control for each actuator function when a button on the handset is pushed.
- Two speed operation of the main lift actuator (special option).
- Current sensing electronic overload protection (EOP) to the actuators.
- Indication of low battery condition via a built in buzzer. When the buzzer sounds you need to charge the battery. The buzzer will only be active when the handset is operated.
- Option of OLED display or diode display showing battery condition.
- Soft-start/stop function on channel 1, which reduces any sudden jolt when the actuator is starting or stopping.
- Electrical emergency activation functions for up/down operation of the main lift actuator. In case of handset failure it is possible to operate the main lift actuator by using the point of a ball point pen in the positions marked on the front cover of the control box.
- Red Emergency Stop Button that disconnects battery power to the control box. Pushing the button activates the stop button. To reset rotate the stop button clockwise until it releases. Activation of the emergency stop interrupts all battery supply and prevents any functions from operating. When releasing the emergency stop button the system is ready for use without any need to reset.
- Connections for up to 2 actuators for main lift and leg spreader.

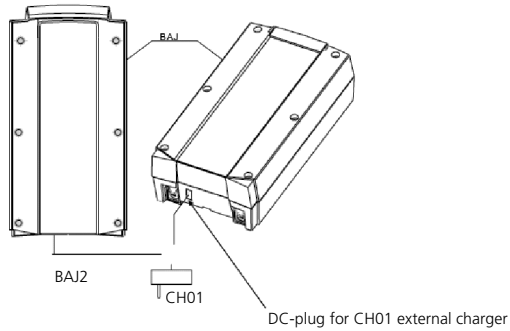
General description; external charger option CHJ2



The charger is either mounted between the control box and the battery on the patient lift or mounted separately on the wall or elsewhere. When the charger is mounted between the control box and the battery, the control box functions are disabled when mains power is supplied to the charger.

- The charger is of the SMPS (Switch Mode Power Supply) type, input voltage 100-240V AC
- Charging time: max. 4 hours for battery pack BAJ1/BAJ2
- Exchangeable mains cable with locking ring
- Green light ON indicates the charger is connected to the mains power
- Yellow light ON indicates the battery is charging, light OFF indicates battery fully charged
- Cable hook for storing the mains cable when the charger is not in use (option)
- Easy mounting of the charger on the JUMBO mounting brackets

General description; batteries BAJ1 or BAJ2



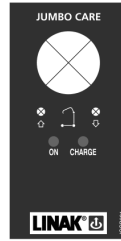
- By means of a snap in system the battery pack can easily be mounted on the CHJ2 charger or CBJ-Care control box.
- 24V, capacity providing 2,9 Ah between 20 - 50 lifts depending on load, actuator type and stroke.
- DC-plug for charging of the battery pack by means of the CH01 plug pack wall charger (BAJ2 only) or internal charger.

The batteries in the battery packs are of the lead-acid type, and require regular charging. BAJ1 is the standard battery pack. BAJ2 has a DC charging socket for connecting a plug pack charger, LINAK type CH01 or 3rd part charger.

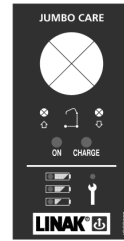
CBJ-Care versions

Different versions of CBJ-Care is available:

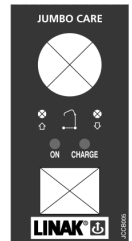
- No indicators on the front cover.
- Diodes on the front cover
- Display



No indicators on the front cover



Diodes on the front cover



Display

What to read out of the diodes

Service:

Service indicator will blink (yellow diode):

- Every 12 months (norm EN10535 recommendation)/ after 8000 Cycles (whichever comes first).

Via a Hand control it is possible to reprogramme and set other service intervals (see paragraph about hand controls for CBJ-Care).

The first time that the service symbol is show the control box will provide an acoustic signal. When it is time for service the service indicator will remain illuminated 2 minutes after use. Afterwards the control box will power down to save the battery. When the service indicator lights up, the system will still be functional and work as normal.



Battery:

3 light emitting diodes:

- Green; There is no need to charge the battery
- Yellow; Battery needs charging
- Yellow; Battery needs charging (Incl. acoustic signal when the hand control is activated). When one continues to use the application at the lowest battery level the diode will blink and continue to give an acoustic signal. At that time it will be possible to drive channel 1 (lifting arm) down (but not up, and leg spread is not possible).



What to read out on the display

Below you find information about what to read-out on the display version of CBJ-Care. Basically the functionality for the display version is the same as the diode version, but more information can be read out on the display.

Driving information:



As long as a hand control button is activated driving information will be shown on the display. Either lifting arm up, lifting arm down, legs in or legs out.



The only exception to this is when the battery is flat (stage 3 and 4 - see below). At that point the battery information will be show instead.



Battery:

The battery discharging will be shown in four stages:



Battery state 1: The battery is ok, no need for charging.



Battery state 2: Battery needs charging.



Battery state 3: Battery needs charging. Buzzer sound is provided when a button is pressed at this battery stage.



Battery state 4: The battery needs charging. At this stage some of the functionality of the lift is lost. At this battery stage it is only possible to drive the lifting arm down. Furthermore an audio signal will be provided when a control button is activated. The symbol will switch between the two pictures.

The battery symbol is shown when the box is awake until power down (2 minutes after use).

Charging of battery:



When the mains cable is plugged in and a control button is activated the symbol to the left is shown at the display. The purpose of the symbol is to tell the user that usage of the lift is not possible as the mains is plugged.

Service:



The control box will show the service symbol when it is time for service. The standard setting is after 12 months/8000 cycles. The first time that the service symbol is shown the control box will provide an audio sound (1 second) so that the user gets a note about checking the display. Even though it is time for service the system will still be functional and work as normal.

Overload:



When overload occurs (according to the pre defined current cut off limit) the overload symbol will be shown on the display. The 'MAX' text will blink 3 times and the overload symbol will be shown for 10 seconds in total.

Service information read-out:

Some basic service info can be read out on the display. To get the service information on the display please press the lifting arm up button (only ½ second press). The information will be shown for ½ minute or until other buttons are activated.



-> Total cycles done by the lifting actuator (channel 1)
-> Total work done by the lifting actuator (channel 1)
-> Total number of overloads (channel 1)
-> Days since last service/Days between services

One cycle is defined as driving upwards with load for minimum 6 seconds. The $A * S$ value (Amps * Seconds) is an expression of the amount of work the actuator has done.

Use of Service Data Tool with CBJ-Care

Please see the manual 'service readout and Service Data Tool with CBJ-Care' for information about use of Service Data Tool within CBJ-Care.

How to use the lowering/lifting function on the control box:

On the control box there are either buttons or holes.

The lifting arm can be lowered or lifted via pressing e.g. a pen in the hole.

This is a permitted method of lowering/ lifting.

The lowering/lifting "buttons" works as normal hand control buttons (you do not get extended functionality by using these when the battery is low).



Learn mode for current cut-off

When choosing a CBJ-Care it is possible to use the learn mode function to set the current cut-off value.

Learn mode function:

The patient hoist norm: EN10535 states that a patient hoist must not lift more than 1.5 times the max weight it is intended for. For example, if the lift is intended for max. 100 kg., it should not be able to lift more than 150 kg.

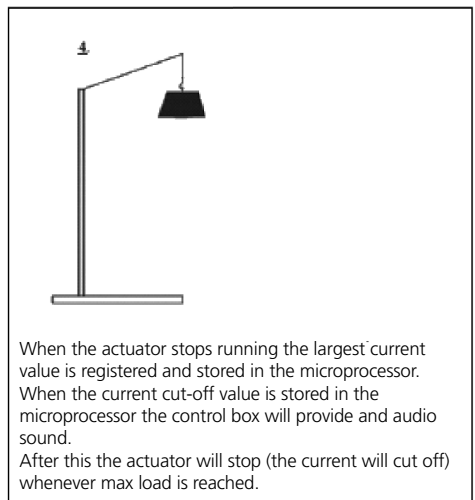
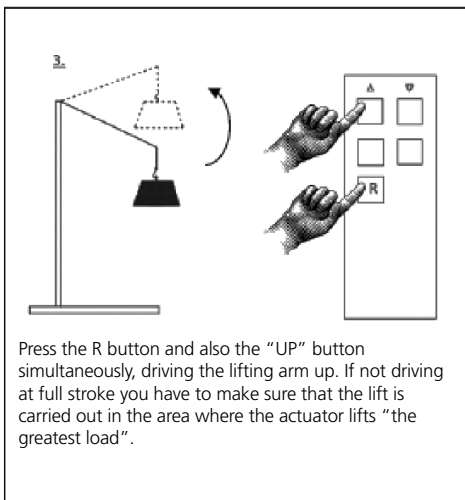
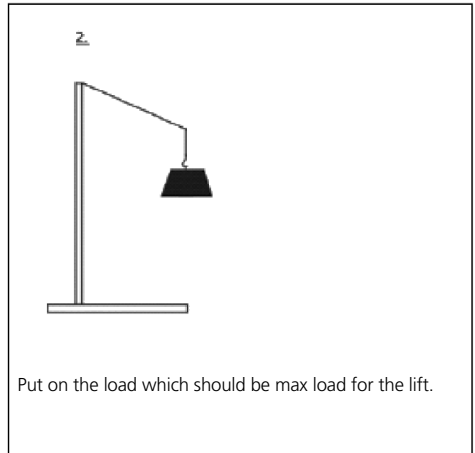
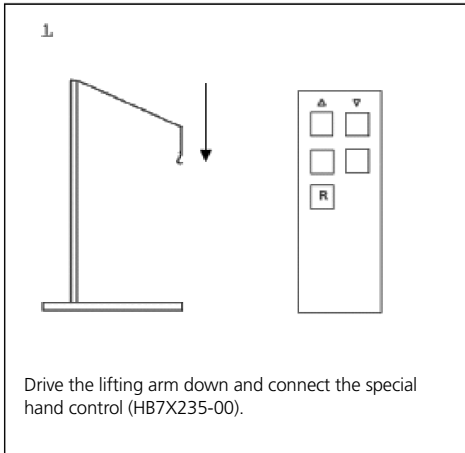
By using the learn mode function it is possible to programme the LINAK CBJ-Care so that the control box is able to lift max. load, but never more than 1.5 time max. load.

How to use learn mode:

Load your lift with max. load.

- Drive up using learn mode, see detailed explanation on next page
- Your lift is now adjusted according to the norm EN10535
- Your lift will always be able to lift max. load
- Your lift will never be able to lift more than 1.5 times max. load.

Procedure for registration of max. weight.

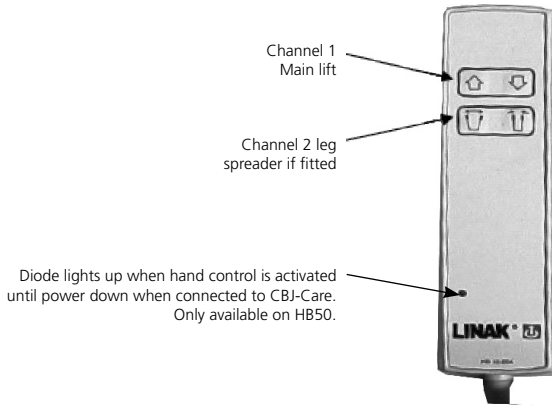


Precautions:

- The registration function can only be activated by using a specially produced handset (HB7x235-00). A standard handset cannot activate the function.
- If an actuator or CBJ-Care is exchanged it will be necessary to reset the max. load to work within the requirements of EN10535 for the new system as a whole.

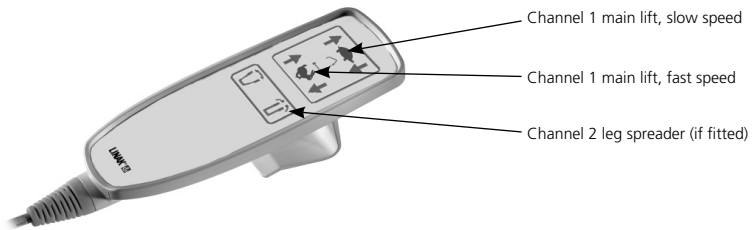
Hand controls for CBJ-Care

A CBJ-Care can be used with a normal hand control. That is HB50, HB70 or HB80. The general functionality for a hand control is seen below.



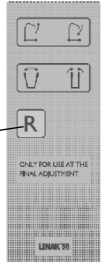
The CBJ-Care can also use OpenBus hand controls e.g.(HB80, OpenBus V0).

Two speed regulations of channel 1 is an option on CBJ-Care when using an OpenBus hand control. The two speed function of the lifting actuator is explained below.

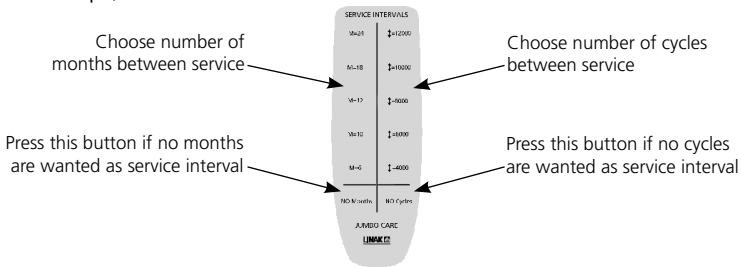


A special HB7x OpenBus hand control (*item number HB7x235-00*) has been created which must be used in order to activate the learn mode function.

Registration button.
To be activated while driving the lifting arm up with load (see paragraph about learn mode)

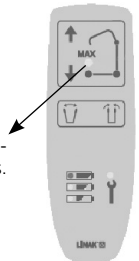


The service interval can be changed via a HB80 OpenBus (V2) handset (*Item number: HB8646V2010+71*). The hand control allows a service interval as number of months only, number of cycles only or number of months and/or cycles (whatever comes first). After having set a different service interval the control box will provide an audio sound (as a receipt).

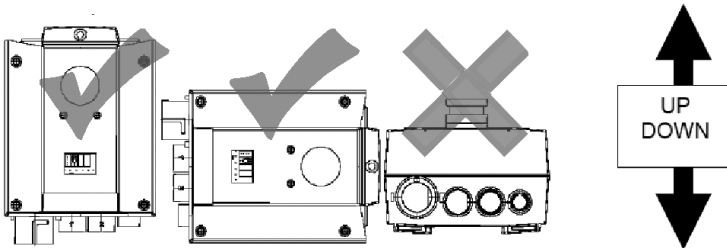


HD80 is another Hand control option for CBJ-Care. The diodes on HD80 have the same conditions for illumination as the CBJ-Care (please see the functionality paragraph).

Yellow diode at overload - blinks if overload occurs.

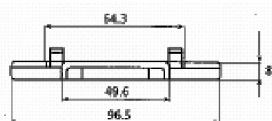
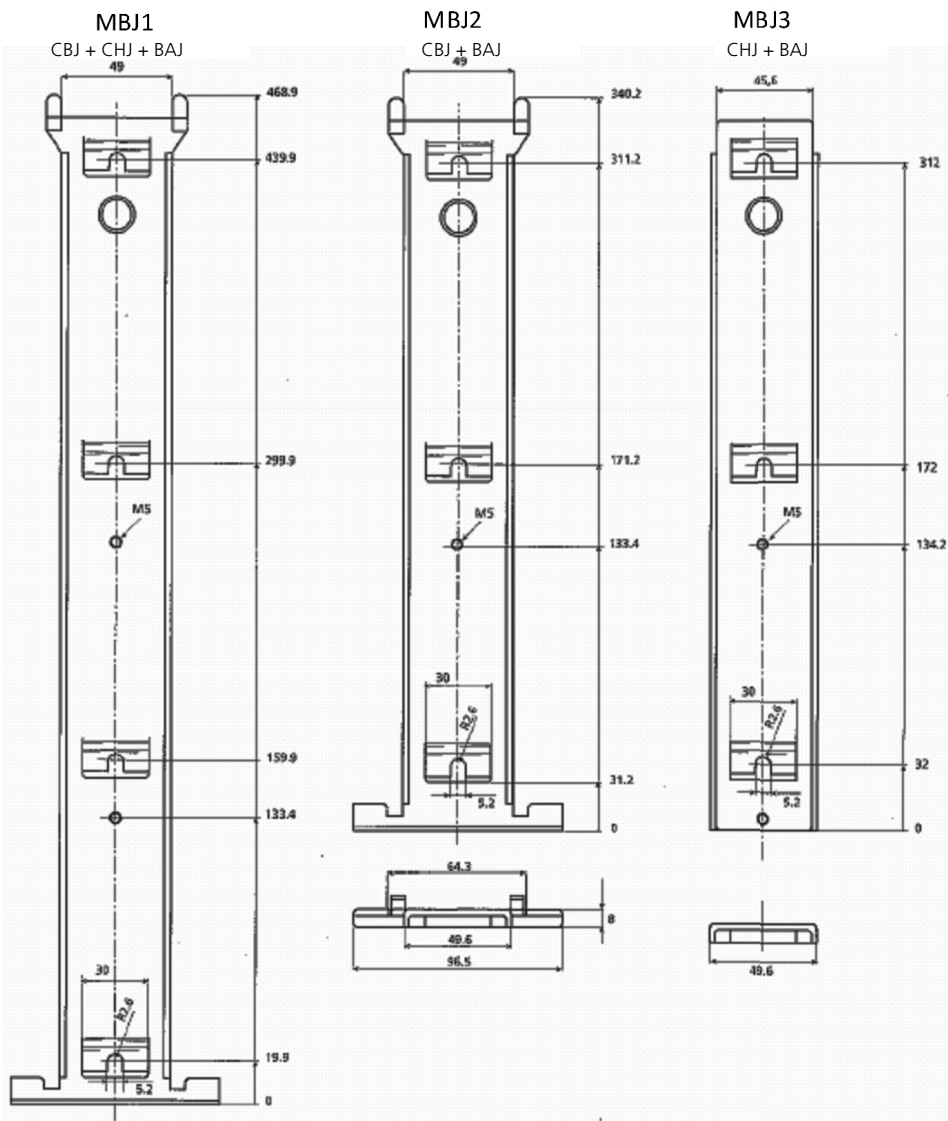


Mounting of CBJ-Care



CBJ-Care has to be mounted vertically to ensure the IP protection.

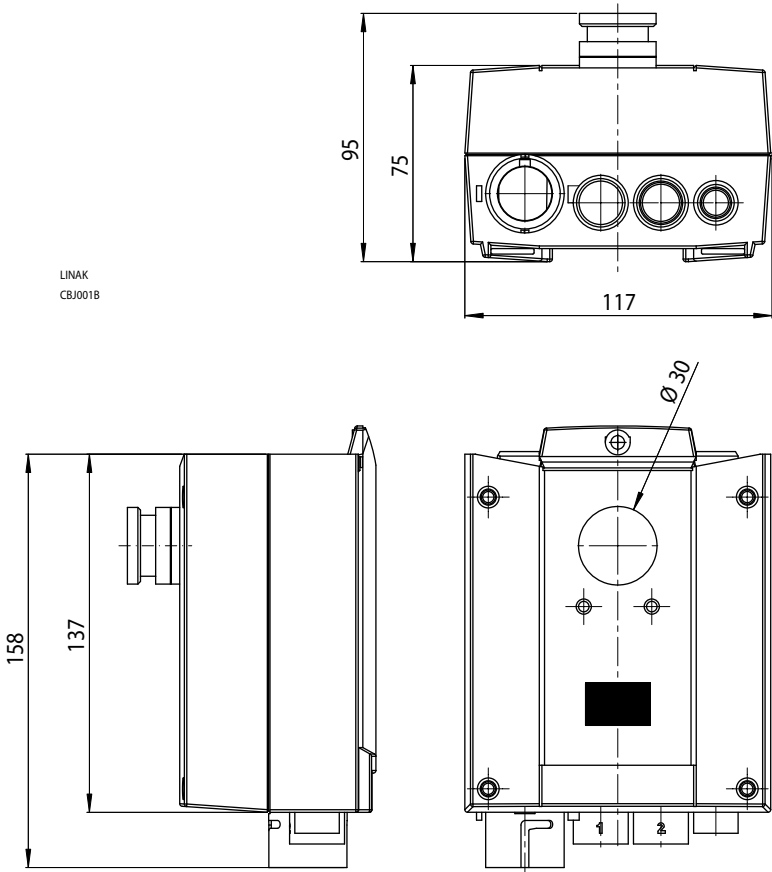
Mounting brackets available:



Note: Geometrical tolerance ± 0.2 to ± 0.5 mm

Drawing

LINAK
CBJ001B



Repairs

In order to avoid the risk of malfunction, all repairs must only be carried out by authorised LINAK workshops or repairers, as special tools must be used and special gaskets must be fitted. Products under warranty must also be returned to authorised LINAK workshops.



Warning!

If any of the LINAK products are opened, there will be a risk of subsequent malfunction.

Warranty and service life

The LINAK warranty covers manufacturing defects in the products, starting from the date of manufacture.

There is 18 months' for MEDLINE and CARELINE products. The warranty is limited to the value of the LINAK product.

There is 12 months' warranty for batteries from date of production, covering manufacturing defect.

LINAK's guarantee is only valid so far as the products have been used and maintained correctly and has not been tampered with. Furthermore, the products must not be exposed to violent treatment. In the event of this, the warranty will be ineffective / invalid. LINAK's warranty is only valid if the system is unopened and has been used correctly.

All LINAK products are designed to have an optimum service life as a matter of course, but the expected service life in a specific application is very dependent on how the products are used.

Disposal of LINAK's products

LINAK's products may be disposed of, possibly by dividing them into different waste groups for recycling or combustion.

We recommend that our product is disassembled as much as possible at the disposal and that you try to recycle it. As an example of main groups within sorting of waste we can mention the following:

Metal, plastic, cable scrap, combustible material and collection for recoverable resources.

Some of these main groups can be sub-divided into groups e.g. metal can be divided into iron, stainless steel and aluminium and alloy steel. Plastic can e.g. be divided into ABS, PA, PE and PP.

The CBJ can be disassembled and sorted into the following recycling groups:

CBJ	Plastic housing – Plastic recycling or combustion
	Cable – Cable scrap or combustion
	PC-board – Electronics Scrap

By now all our casted plastic units are provided with an interior code for plastic types and fiber contents, if any.

DECLARATION OF CONFORMITY

LINAK A/S
Smedevænget 8
DK - 6430 Nordborg

hereby declares that LINAK Actuator System composed of:

Control Box CBJC with/without internal charger

And

Linear Actuator(s)	LA28	and / or
Linear Actuator(s)	LA31	and / or
Linear Actuator(s)	LA34	and / or
Linear Actuator(s)	LA44	

And

Battery Box	BAJ1	and / or
Battery Box	BAJ2	

And

Handset	HB5X	and / or
Handset	HB7X	and / or
Handset	HB8X	

And

External Charger	CHJ2	and / or
External Charger	00CH01-xx	

complies with the EMC Directive: 2004/108/EC according to following standards:
EN60601-1-2:2007, EN 61000-3-2:2006 and EN 61000-3-3:2008

and complies with Low Voltage Directive 2006/95/EC according to the standard:
EN 60601-1:1990+A1:1993+A2:1995

Additional information:

The system does also comply with the standard EN ISO 10535:2007, Hoists for the transfer of disabled persons - Requirements and test methods, clause 4.3.1.23.

Date: 2010-01-27

Signature:



John Kling
Certification and Regulatory Affairs

LINAK application policy

The purpose of the application policy is to define areas of responsibilities in relation to applying a LINAK product defined as hardware, software, technical advice, etc. related to an existing or new customer application.

LINAK products as defined above are applicable for a wide range of applications within the Medical, Furniture, Desk and Industry areas. Yet, LINAK cannot know all the conditions under which LINAK products will be installed, used, and operated, as each individual application is unique.

The suitability and functionality of the LINAK product and its performance under varying conditions (application, vibration, load, humidity, temperature, frequency, etc.) can only be verified by testing, and shall ultimately be the responsibility of the LINAK customer using any LINAK product.

LINAK shall be responsible solely that the LINAK products comply with the specifications set out by LINAK and it shall be the responsibility of the LINAK customer to ensure that the specific LINAK product can be used for the application in question.

FACTORIES

CHINA

LINAK (Shenzhen) Actuator Systems, Ltd.
Phone: +86 755 8610 6656 · Fax: +86 755 8610 6990
E-mail: sales@linak.cn · www.linak.cn

DENMARK

LINAK A/S · Group Headquarters Guderup
Phone: +45 73 15 15 15 · Fax: +45 74 45 80 48
Fax (Sales): +45 73 15 16 13
E-mail: info@linak.com · www.linak.com

SLOVAKIA

LINAK Slovakia s.r.o.
Phone: +421 517563 414 · Fax: +421 517563 410
E-mail: jp@linak.sk · www.linak.com

USA

LINAK U.S. Inc.
North and South American Headquarters
Phone: +1 502 253 5595 · Fax: +1 502 253 5596
E-mail: info@linak-us.com · www.linak-us.com

SUBSIDIARIES

AUSTRALIA

LINAK Australia Pty. Ltd
Phone: +61 3 8796 9777 · Fax: +61 3 8796 9778
E-mail: sales@linak.com.au · www.linak.com.au

AUSTRIA

LINAK GmbH - Austria
Phone: +43 (0) 2746 210 36 · Fax: +43 (0) 2746 210 44
E-mail: info@linak.de · www.linak.at

BELGIUM & LUXEMBOURG

LINAK Actuator-Systems NV/SA
Phone: +32 (0)29 230 01 09 · Fax: +32 (0)29 230 88 80
E-mail: linak@linak.com.br · www.linak.be

BRAZIL

LINAK do Brasil Comércio de Atuadores Ltda.
Phone: +55 (11) 2832-7070 · Fax: +55 (11) 2832-7060
E-mail: info@linak.com.br · www.linak.com.br

CANADA

LINAK Canada Inc.
Phone: +1 905 821 7727 · Fax: +1 905 821 4281
E-mail: info@linak.ca · www.linak.ca

CZECH REPUBLIC

LINAK C&S S.R.O.
Phone: +420581741814 · Fax: +420581702452
E-mail: ponizi@linak.cz · www.linak.cz

DENMARK

LINAK DANMARK A/S
Phone: +45 86 80 36 11 · Fax: +45 86 82 90 51
E-mail: linak@linak-silkeborg.dk · www.linak.dk

FINLAND

LINAK OY
Phone: +358 10 841 8700 · Fax: +358 10 841 8729
E-mail: linak@linak.fi · www.linak.fi

FRANCE

LINAK FRANCE S.A.R.L.
Phone: +33 (0)2 4136 3434 · Fax: +33 (0)2 4136 3500
E-mail: linak@linak.fr · www.linak.fr

GERMANY

LINAK GmbH
Phone: +49 6043 9655 0 · Fax: +49 6043 9655 60
E-mail: info@linak.de · www.linak.de

INDIA

LINAK A/S India Liaison Office
Phone: +91 120 4273708 · Fax: +91 80 2224 3863
E-mail: info@linak.in · www.linak.in

IRELAND

LINAK UK Limited
Phone: +44(0)121 544 2211 · Fax: +44(0)121 544 2552
E-mail: sales@linak.co.uk · www.linak.co.uk

ITALY

LINAK ITALIA S.r.l.
Phone: +39 02 48 46 33 66 · Fax: +39 02 48 46 82 52
E-mail: info@linak.it · www.linak.it

JAPAN

LINAK K.K.
Phone: +81 45 533 0802 · Fax: +81 45 533 0803
E-mail: linak@linak.jp · www.linak.jp

MALAYSIA

LINAK A/S Asian Representative Office
Phone: +60 4 210 6500 · Fax: +60 4 226 8901
E-mail: info@linak-asia.com · www.linak-asia.com

NETHERLANDS

LINAK Actuator-Systems B.V.
Phone: +31 76 5 42 44 40 · Fax: +31 76 5 42 61 10
E-mail: info@linak.nl · www.linak.nl

NEW ZEALAND

LINAK New Zealand Ltd.
Phone: +64 9580 2071 · Fax: +64 9580 2072
E-mail: nzsales@linak.com.au · www.linak.co.nz

NORWAY

LINAK Norge AS
Phone: +47 32 82 90 90 · Fax: +47 32 82 90 98
E-mail: info@linak.no · www.linak.no

POLAND

LINAK Polska
Phone: +48 (22) 500 28 74 · Fax: +48 (22) 500 28 75
E-mail: dkreh@linak.dk · www.linak.pl

SPAIN

LINAK Actuadores S.L.
Phone: +34 93 588 27 77 · Fax: +34 93 588 27 85
E-mail: linakact@linak.es · www.linak.es

SWEDEN

LINAK Scandinavia AB
Phone: +46 8 732 20 00 · Fax: +46 8 732 20 50
E-mail: info@linak.se · www.linak.se

SWITZERLAND

LINAK AG
Phone: +41 43 388 31 88 · Fax: +41 43 388 31 87
E-mail: info@linak.ch · www.linak.ch

TAIWAN

LINAK A/S Taiwan Representative Office
Phone: +886 2 250 80296 · Fax: +886 2 2508 3604
E-mail: info@linak.com.tw · www.linak.com.tw

TURKEY

LINAK A/S Turkey Representative Office
Phone: +90 312 4726338-59 · Fax: +90 312 4726635
E-mail: vozen@linak.com.tr · www.linak.com.tr

UNITED KINGDOM

LINAK UK Limited
Phone: +44(0)121 544 2211 · Fax: +44(0)121 544 2552
E-mail: sales@linak.co.uk · www.linak.co.uk

DISTRIBUTORS

ARGENTINA

NOVOTEC ARGENTINA SRL
Phone: +[54] (11) 4303-8900/89 · Fax: +[54] (11) 4032-0184
E-mail: info@novotecargentina.com
www.novotecargentina.com

COLOMBIA

MEM Ltda
Phone: +[57] (11) 334-7666 · Fax: +[57] (11) 282-1684
E-mail: servicioalcliente@memltda.com.co
www.memltda.com.co

INDONESIA

PT. HIMALAYA EVEREST JAYA
Phone: +62 221 544 8956/65 · Fax: +62 221 619 4658/1925
E-mail: hejplastic-div@centrin.net.id · www.hej.co.id

IRAN

Bod Inc.
Phone: +98 21 2203 9435 · Fax: +98 21 2203 9430
E-mail: info@bod.ir · www.bod.ir

MEXICO

ILSA S.A. de C.V.
Phone: +[52] (55) 5388-3960 · Fax: +[52] (55) 5388-3966
E-mail: linak@ilsamexico.com · www.ilsamexico.com

RUSSIAN FEDERATION

000 FAM
Phone: +7 812 3319333 · Fax: +7 812 3271454
E-mail: purchase@fam-drive.ru · www.fam-drive.ru

SINGAPORE

SERVO DYNAMICS PTE. Ltd.
Phone: +65 6844 0288 · Fax: +65 6844 0070
E-mail: servodynamics@servo.com.sg · www.servo.com.sg

SOUTH AFRICA

Industrial Specialised Applications CC
Phone: +27 11 312 2292 or +27 11 2077600
Fax: +27 11 315 6999
E-mail: garth@isagroup.co.za · www.isaza.co.za

SOUTH KOREA

UNITEK ENG.
Phone: +82 2 567 0888 · Fax: +82 2 3453 1177
E-mail: unitekeng@unitekeng.co.kr · www.unitekeng.co.kr

UNITED ARAB EMIRATES

Mechtronics
Phone: +971 4 267 4311 · Fax: +971 4 267 4312
E-mail: mechtron@emirates.net.ae
www.mechtronics.ae

For contact details on other countries please visit
www.linak.com or contact:

LINAK INTERNATIONAL

Fax: +45 74 45 90 10
E-mail: info@linak.com · www.linak.com

Terms of use

The user is responsible for determining the suitability of LINAK products for specific application. LINAK takes great care in providing accurate and up-to-date information on its products.

However, due to continuous development in order to improve its products, LINAK products are subject to frequent modifications and changes without prior notice. Therefore, LINAK cannot guarantee the correct and actual status of said information on its products.

While LINAK uses its best efforts to fulfil orders, LINAK cannot, for the same reasons as mentioned above, guarantee the availability of any particular product. Therefore, LINAK reserves the right to discontinue the sale of any product displayed on its website or listed in its catalogues or other written material drawn up by LINAK. All sales are subject to the Standard Terms of Sale and Delivery for LINAK. For a copy hereof, please contact LINAK.



WE IMPROVE YOUR LIFE