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CBJ Care
Data Sheet



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Introduction



The CBJ Care is an advanced control box for patient lifts, which is part of the battery-driven modular JUMBO system that consists of a control box (CBJ Care), a battery either based on lead acid or Li-Ion technology (BAJ/BAJL).

CBJ Care is available in two versions, offering easy control - one with LEDs and another with display and LEDs. A third variant is available without display and LEDs.

It is possible to have control buttons on the front cover for easy operation if the hand control is missing.

Benefits of using CBJ Care include:

- Available setting of maximum weight (in accordance with EN10535)
- Intelligent service data in the control box with optional read-out via Service Data Tool
- Soft start/stop and emergency button for increased safety

Features and options

- Output voltage: 24 V DC
- Soft stop on channels 1, 2 and 3
- Soft start on channels 1, 2 and 3 if it is not a "buffer" type actuator
- Emergency operation for lifting/lowering. Acoustic battery alarm when approx. 25% battery capacity remaining.
- Bayonet lock for locking the hand control plug (DIN-plug)
- Protection class: IPX4
- Learn mode for current cut-off - easy adjustment of max weight according to EN 10535
- Matching hand control HB30, HB70 and HB80, HD80 JUMBO
- Emergency stop button
- External charger possible CH01, (No IP).
- 2 speed operation of the actuator on channel 1
- Internal charger possible
- Colours:

  Top part: Light grey (RAL 7035)

  Bottom part: Dark grey (standard) (RAL 7016) or Light grey (RAL 7035)
- Customised front covers
- LED indicators, optional
- Display, optional
- 3rd channel via T-cable
- Posssible to mount an Emergency Stop Guard

Usage

CBJ Care with internal charger:	Nominal current draw max. 400 mA • Power consumption (standby) max. 2.5 W • Power consumption (charging) max. 19 W
Operation temperature:	+5 °C to +40 °C
Storage temperature:	-10 °C to +50 °C
Duty cycle:	Max. 10% or 2 min. continuous use then 18 min. without use
Relative humidity:	20% to 80% – non-condensing
Atmospheric pressure:	700 to 1060 hPa
Meters above sea level:	Max. 3000 meters

Mains supply grid should be limited to the highest prospective short circuit current of 35 A.
Demands to mains supply safety for the application in accordance with IEC 60601-1 ed. 3.2, § 8.11.5

Approvals:	IEC60601-1 IEC60601-1-6 ES60601-1 ANSI/AAMI ES60601-1 CAN/CSA-22.2 No 60601-1

Ordering example

(JUMBO Care 2nd generation compatible with new graphics on Service Data Tool views)

CBJ xx yy zz A 1 1 1 xx 4

IP protection
4 = IPX4

Frontplate no.
See the front cover table for details
xx (last 2 digits) 01-99
01, 02, 03, 04, 05,11 (without control buttons)
09, 12, 13, 16, 17, 25, 30, 31, 32, 33, 35, 44 (with control buttons)

Type	Charger	Display	E-lowering	Controls	Front cover no.	Front cover	
CBJ Care		0		1 Row	None	-	
		0		2 Rows	33	00JCCB033	
		0	Yes		11	00JCCB011	
		1		1 Row	25	00JCCB025	
		1		2 Rows	35	00JCCB035	
		1	Yes		2	00JCCB002	
		2		1 Row	30	00JCCB030	
		2		2 Rows	31	00JCCB031	
		2	Yes		4	00JCCB004	
	Internal	0		1 Row	None	-	
	Internal	0		2 Rows	44	00JCCB044	
	Internal	0	Yes		1	00JCCB001	
	Internal	1		1 Row	32	00JCCB032	
	Internal	1		2 Rows	12	00JCCB012	
	Internal	1		2 Rows	16	00JCCB016	*Light grey
	Internal	1	Yes		3	00JCCB003	
	Internal	2		1 Row	9	00JCCB009	
	Internal	2		2 Rows	13	00JCCB013	
	Internal	2		2 Rows	17	00JCCB017	*Light grey
	Internal	2	Yes		5	00JCCB005	

Colour of bottom part
1 = 2nd gen., RAL7016, dark grey
2 = 2nd gen., RAL7035, light grey

Emergency stop
1 = With emergency stop
3 = With emergency stop and emergency stop guard

Indicator options
0 = None
1 = LED indicators
2 = O-LED display

Options
LINAK battery BAJ (without internal charger)
0 = Customised SW
1 = SW01000x03: LA44 LA23 LA23 — For x=0: gen. 2
2 = SW01000x10: LA44 LA31 LA23 — For x=1: gen. 3
3 = SW01000x11: LA34 LA23 LA23
4 = SW01000x12: LA34 LA31 LA23
5 = SW01000x13: LA44 LA28S/LA30L LA23
6 = SW01000x14: LA34 LA28S/LA30L LA23
7 = SW01000x17: LA44 LA28S/LA30L LA28S/LA30L
8 = SW01000x19: LA43 LA23 LA23

LINAK battery BAJ with internal charger (Max. IPx4)
X = Customised SW
A = SW01000x03: LA44 LA23 LA23 — For x=0: gen. 2
B = SW01000x10: LA44 LA31 LA23 — For x=1: gen. 3
C = SW01000x11: LA34 LA23 LA23
D = SW01000x12: LA34 LA31 LA23
E = SW01000x13: LA44 LA28S/LA30L LA23
F = SW01000x14: LA34 LA28S/LA30L LA23
G = SW01000x17: LA44 LA28S/LA30L LA28S/LA30L
H = SW01000x19: LA43 LA23 LA23

Current CH3
00 = One or two channel version, CH3 not available
zz = Value between 2.0A & 5.5A in 0.5A increments (4.0A is displayed as “40” and 5.5A will be “55”)
Remember to order T-cable: 0964549-C

Current CH2
00 = One channel version, CH2 not available
yy = Value between 2.0A & 5.5A in 0.5A 'increments (4.0A is displayed as “40” and 5.5A will be “55”)

Current CH1
01 = Learn mode (current cut-off maximum registered 11 Amp)
xx = Value between 3.0A & 9.5A in 0.5A increments (4.0A is displayed as “40” and 5.5A will be “55”) (Incl. learn mode function).

CBJ CARE

* Configuring current settings of a channel only relates to outward direction. Current settings of inward direction as per standard software settings. Special software to be chosen for all other customisations.

Internal battery charger

CBJ Care is available with and without internal charger.

The internal charger is a Switch Mode Power Supply (SMPS) version which makes charging of the batteries more efficient.

The internal charger is compatible with all LINAK lead acid and Li-ion batteries from the JUMBO series.

The charging time depends on the battery capacity and typically the charging time of BAJ or BAJL (standard) is approx. 5 hours.

Mains voltage from 100-240VAC (50/60 Hz) is possible on same charger.

The charger indicates whether the charger is connected to the mains (green LED) or whether the battery is being charged (yellow LED).

Medically approved.



When connected to AC and full battery



When connected to AC and charging battery

Recommendations

- To reduce strain on mains cable, it is always recommended to use cable relief when mains is connected. Alternatively, use extension cable CAB0015579.

System overview

CBJ Care is compatible with:

Channel 1: LA31, LA31 PL, LA34, LA40 PL, LA44, Standard and fast motors (24V), for all actuators.

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

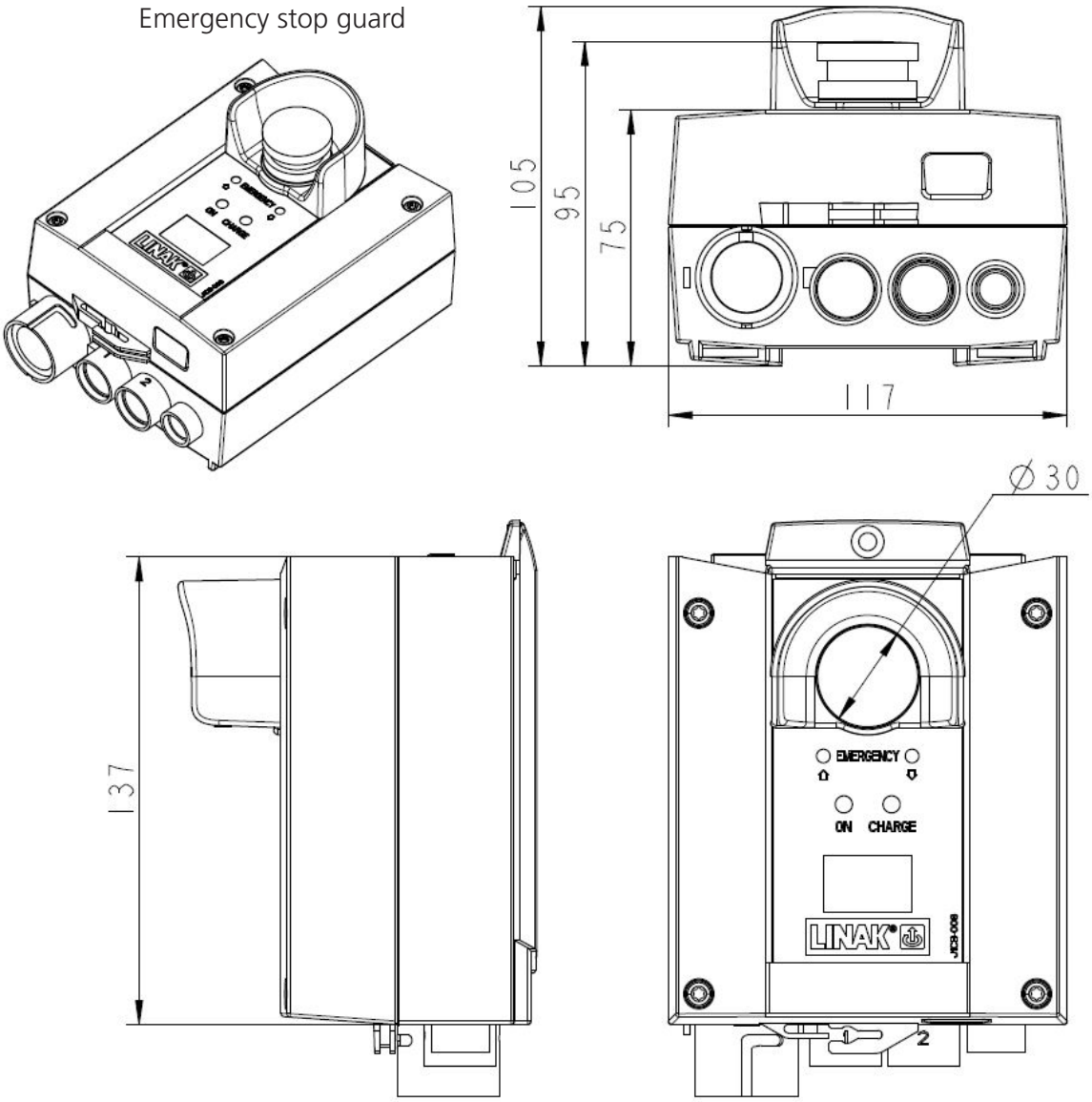
Channel 3: LA20, LA23, LA28, LA30 and LA31.

HB: HB30, HB70, HB80, HD80 JUMBO.

Charger: CH01, CHJ2 (see separate data sheet)

Dimensions

Emergency stop guard

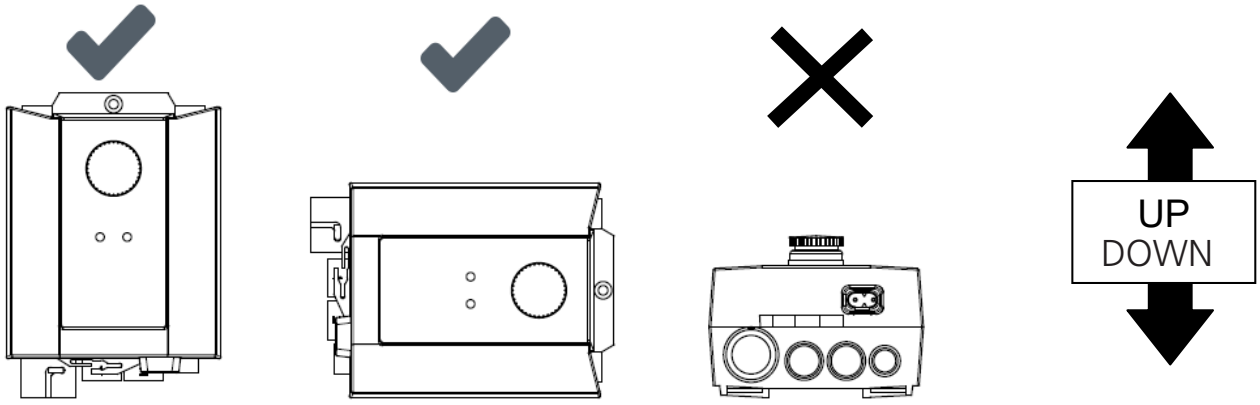


Drawing no: CBJ001

Available blind plugs for JUMBO products

Item number	Colour	Ports
032046	Black	Actuator port
032210	Grey	Actuator port
00918175	Black	DC port
00918174	Grey	DC port
00912204	Grey	Hand control port

Mounting



Recommendations

Special care should be taken when mounting the CBJ Care.

As long as the the CBJ Care is mounted correctly then the CBJ Care complies to IPX4. If the CBJ Care is mounted incorrectly then water will gather around the screw holes resulting in non-compliance with IPX4!

If the control box is equipped with emergency stop, the stop button must be activated in cleaning situations in order to comply with IPX4.

The battery pack BAJ or BAJL must NOT be removed in cleaning situations, doing so could result in non-compliance with IPX4.

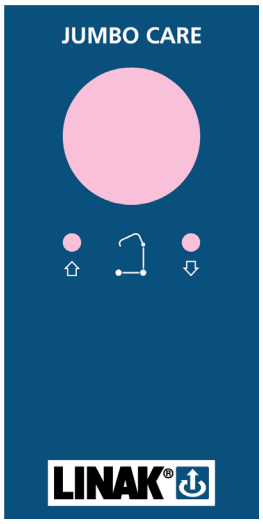
If the CBJ Care is fitted with external charger option (DC power connector), the protection plug ex. 00918174 must always be inserted to ensure IP protection, if the port is not used.

IP rating only applies when the battery is connected to the control box.

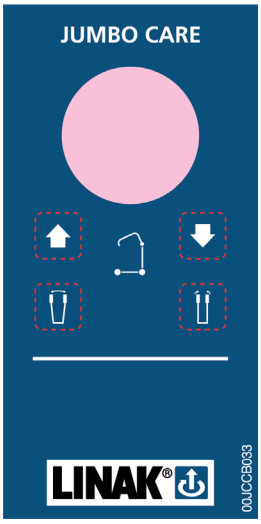
Standard front covers

For version without internal charger

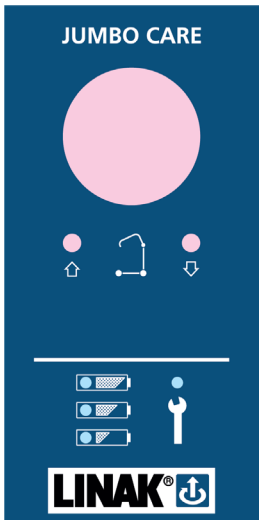
Supply option: 1-8 see ordering example



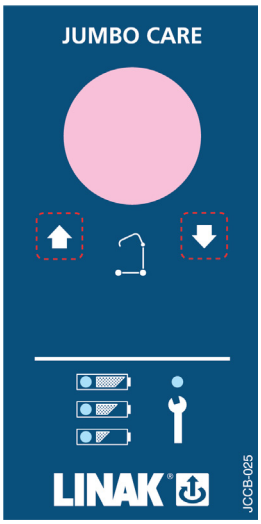
00JCCB011
Indicator option: 0



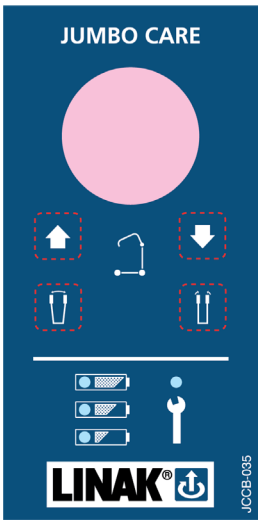
00JCCB033
Indicator option: 0



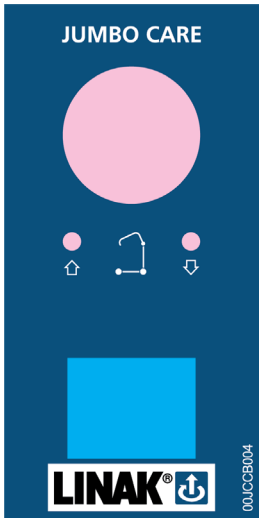
00JCCB002
Indicator option:1



00JCCB025
Indicator option:1



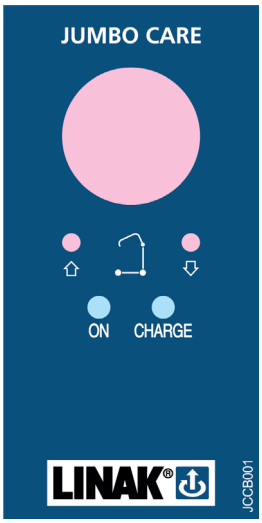
00JCCB035
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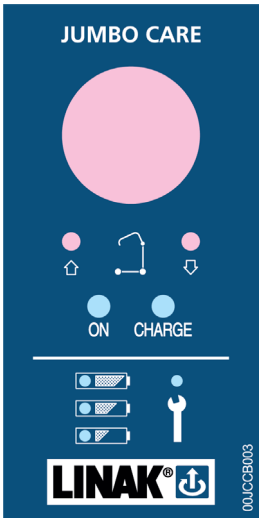
00JCCB004
Indicator option:2

For version with internal charger

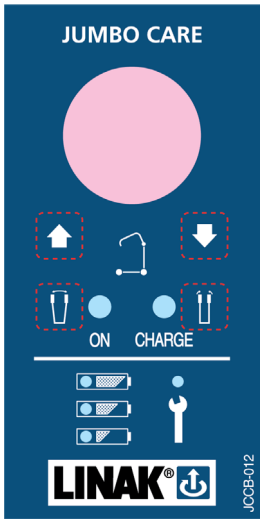
Supply option: A-H see ordering example



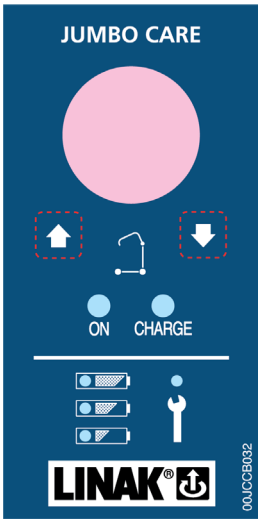
00JCCB001
Indicator option: 0



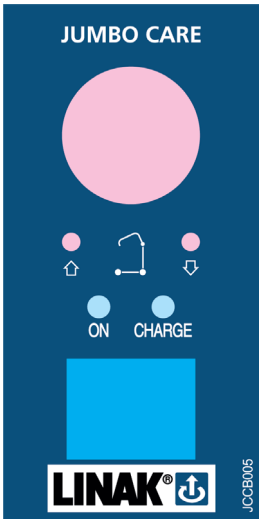
00JCCB003
Indicator option: 1



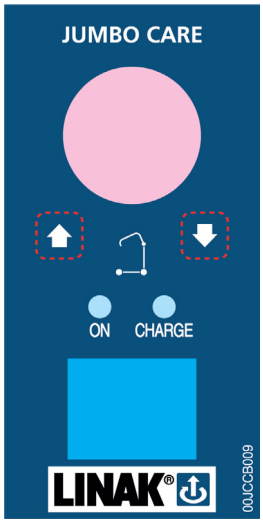
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Indicator option: 1



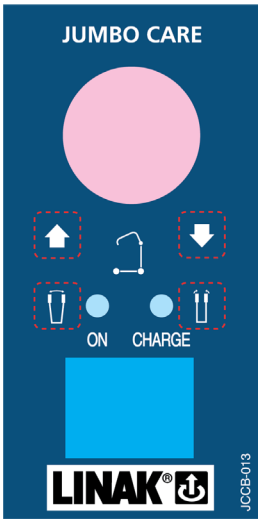
00JCCB032
Indicator option: 1



00JCCB005
Indicator option: 2



00JCCB009
Indicator option: 2



00JCCB013
Indicator option: 2

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