

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
- Possible 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 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
	Internal	1	Yes		3	00JCCB003
	Internal	2		1 Row	9	00JCCB009
	Internal	2		2 Rows	13	00JCCB013
	Internal	2		2 Rows	17	00JCCB017
	Internal	2	Yes		5	00JCCB005

*Light grey

*Light grey

Colour of bottom part

1 = 2nd gen., RAL7016, dark grey

2 = 2nd gen., RAL7035, light grey

3 = 3rd gen., RAL7016, dark grey

4 = 3rd 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

CJB 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:

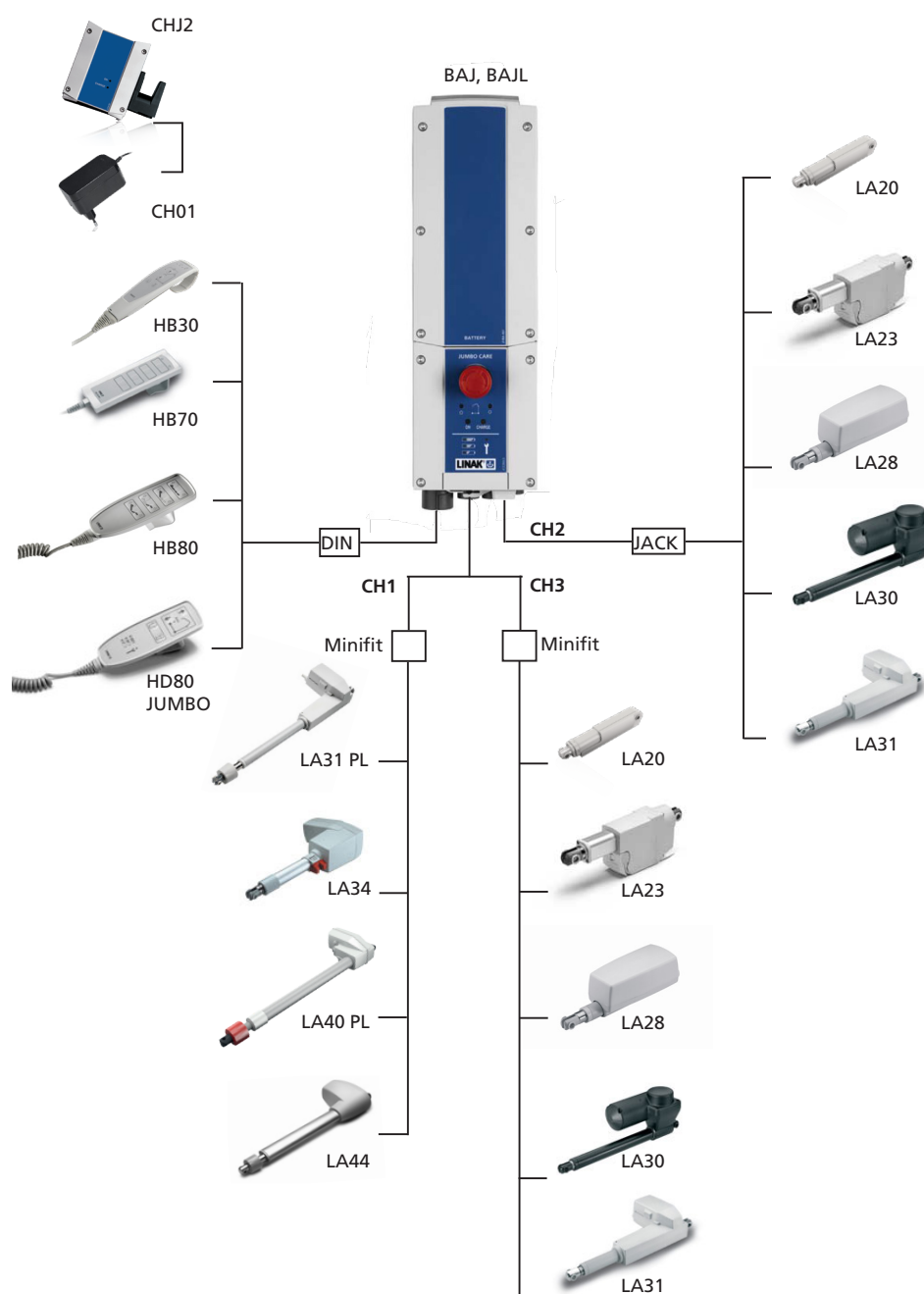
Channel 1: LA31, LA31 PL, LA34, LA40 PL, LA44, Standard and fast motors (24V), for all actuators.

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

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

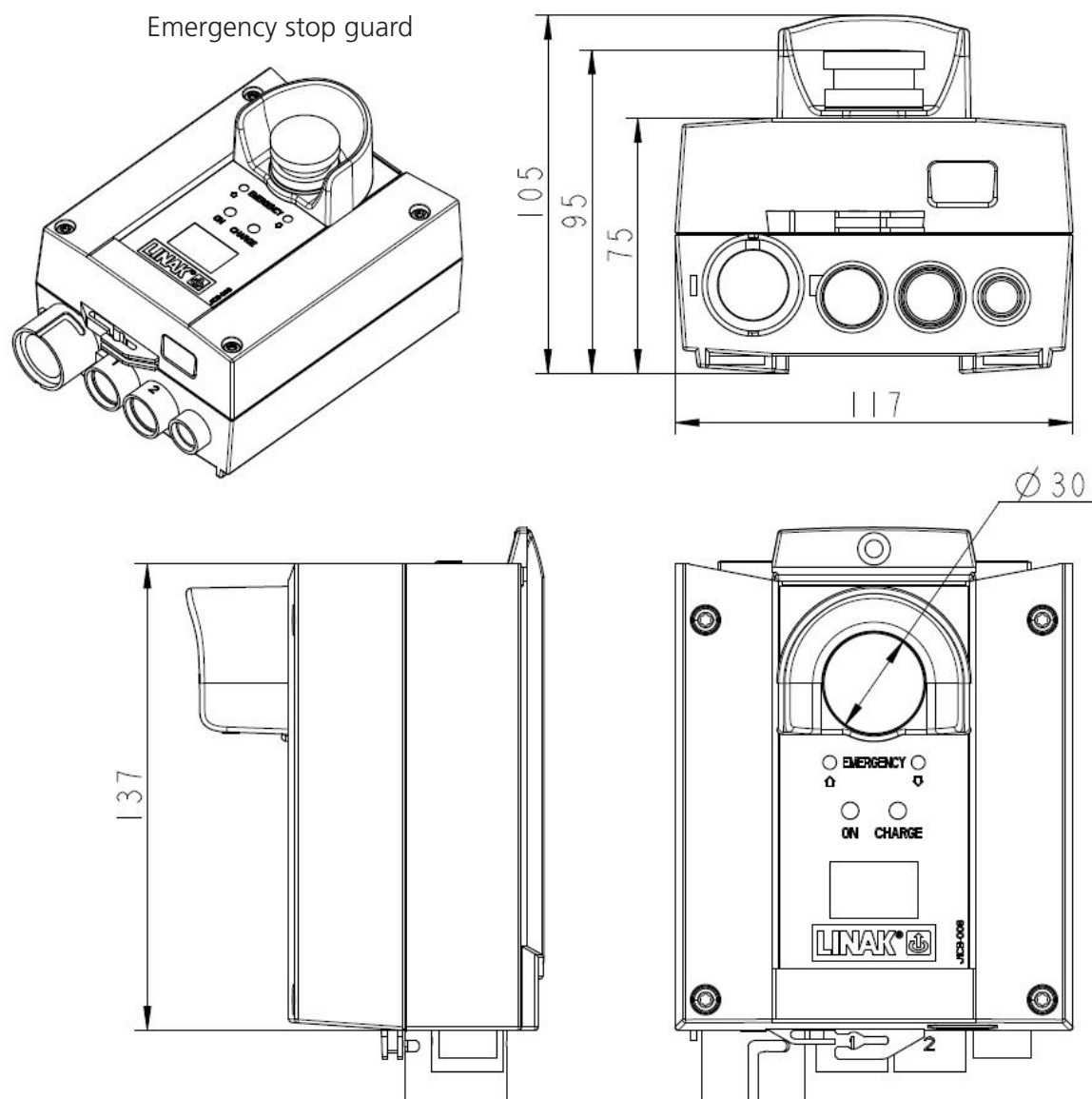
HB: HB30, HB70, HB80, HD80 JUMBO.

Charger: CH01, CHJ2 (see separate data sheet)



T-cable item number (channels one and three): 0964549-C

Dimensions

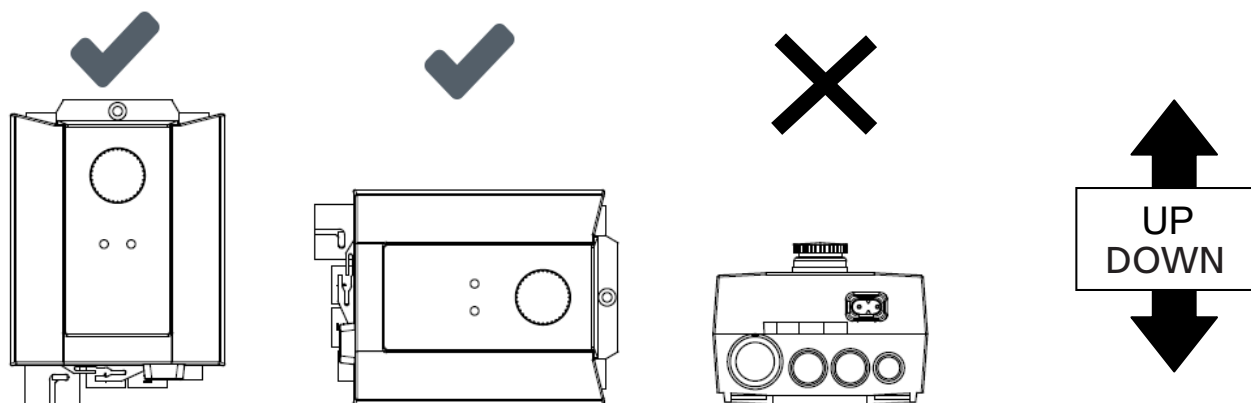


Drawing no: CBJ001

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.

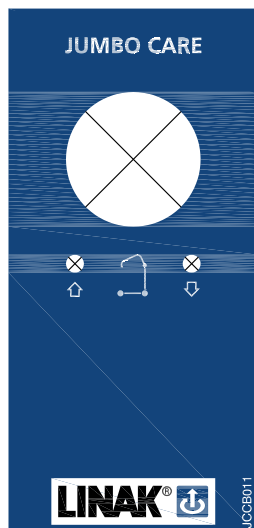
If the CBJ Care is fitted with external charger option (DC power connector), the protection plug ex. 00918174 must always be inserted to ensure IP protection, if the port is not used.

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

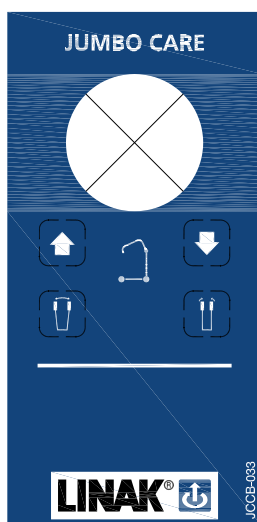
Standard front covers

For version without internal charger

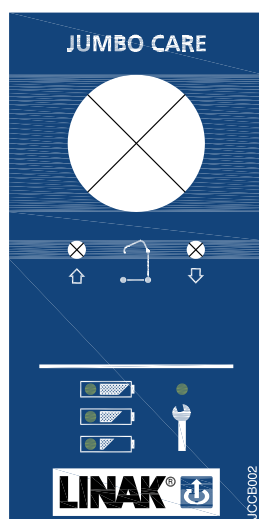
Supply option: 1-8 see ordering example



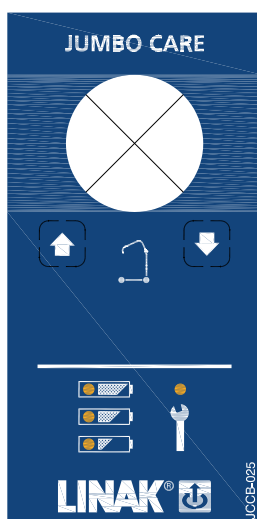
00JCCB011
Indicator option: 0



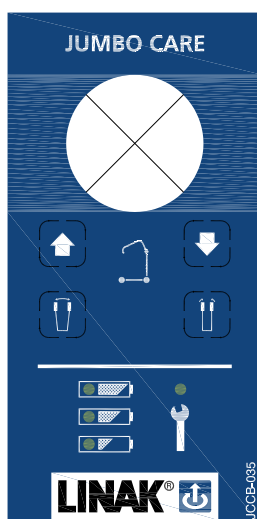
00JCCB033
Indicator option: 0



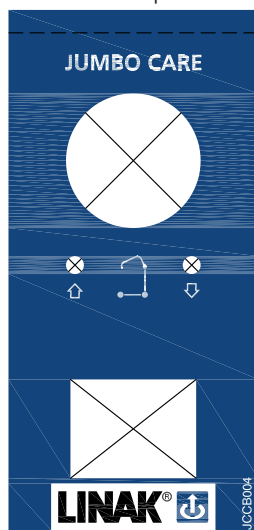
00JCCB002
Indicator option:1



00JCCB025
Indicator option:1



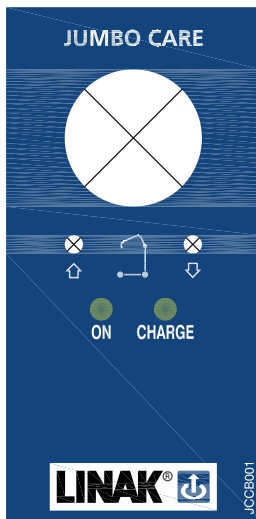
00JCCB035
Indicator option:1



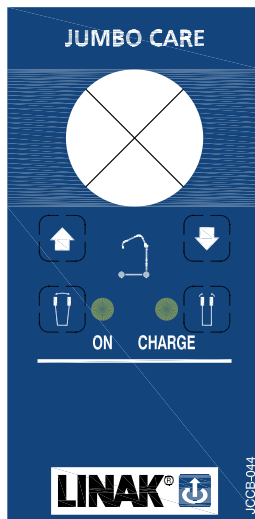
00JCCB004
Indicator option:2

For version with internal charger

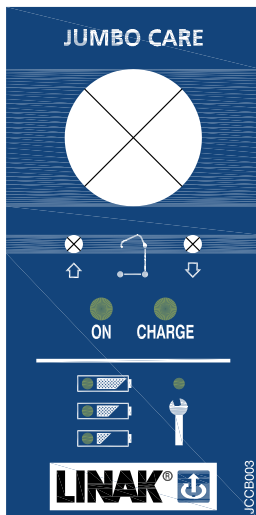
Supply option: A-H see ordering example



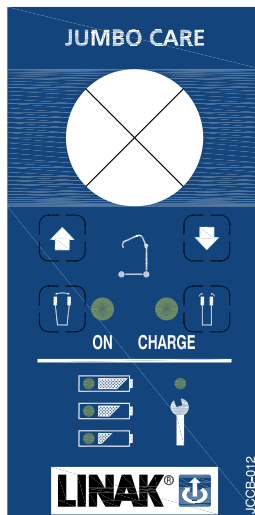
00JCCB001
Indicator option: 0



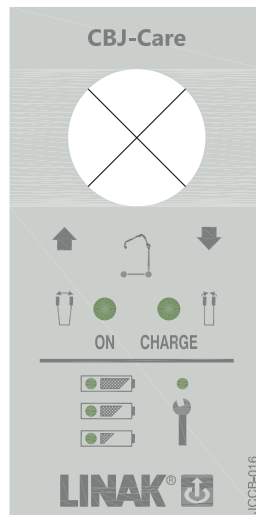
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Indicator option: 0



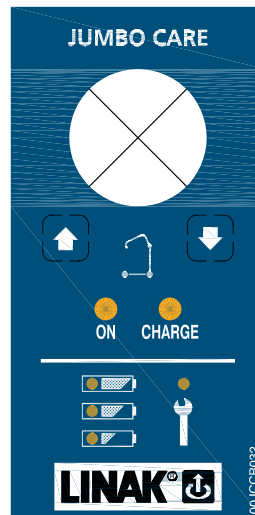
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Indicator option: 1



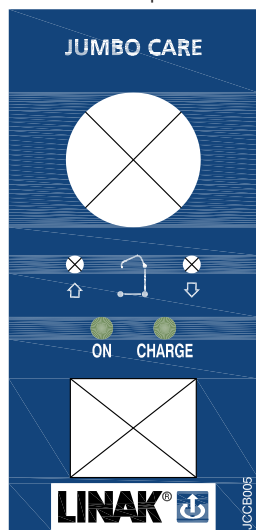
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Indicator option: 1



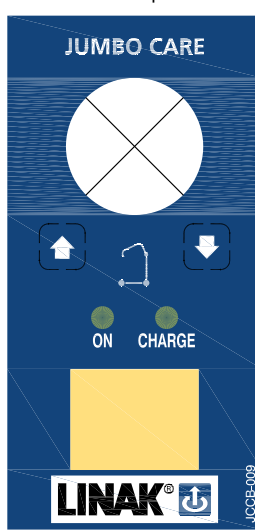
00JCCB016
Indicator option: 1



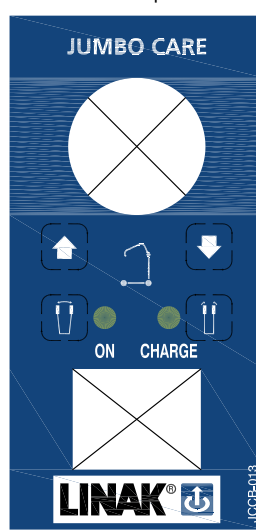
00JCCB032
Indicator option: 1



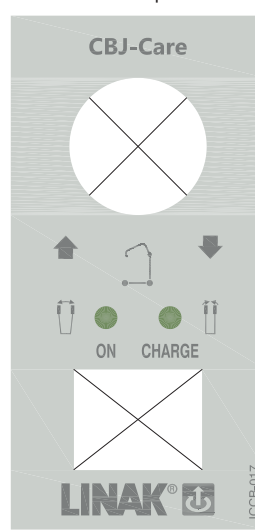
00JCCB005
Indicator option: 2



00JCCB009
Indicator option: 2



00JCCB013
Indicator option: 2



00JCCB017
Indicator option: 2

Contacts

FACTORIES

DENMARK - HEADQUARTERS

LINAK A/S
PHONE: +45 73 15 15 15
FAX: +45 74 45 80 48
FAX (SALES): +45 73 15 16 13
WWW.LINAK.COM

CHINA

LINAK (SHENZHEN) ACTUATOR SYSTEMS, LTD.
PHONE: +86 755 8610 6656
PHONE: +86 755 8610 6990
WWW.LINAK.CN

SLOVAKIA

LINAK SLOVAKIA S.R.O.
PHONE: +421 51 7563 444
WWW.LINAK.SK

THAILAND

LINAK APAC LTD.
PHONE: +66 33 265 400
WWW.LINAK.COM

USA

LINAK U.S. INC.
AMERICAS HEADQUARTERS
PHONE: +1 502 253 5595
FAX: +1 502 253 5596
WWW.LINAK-US.COM
WWW.LINAK-LATINAMERICA.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 Zweigniederlassung - Österreich (Wien)
Phone: +43 (1) 890 7446
Fax: +43 (1) 890 744615
E-mail: info@linak.de
www.linak.at - www.linak.hu

Belgium

LINAK Actuator-Systems NV/SA
(Belgium & Luxembourg)
Phone: +32 (0)9 230 01 09
E-mail: beinfo@linak.be
www.linak.be - www.fr.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: +1 502 253 5595
Fax: +1 416 255 7720
E-mail: info@linak.ca
www.linak-us.com

Czech Republic

LINAK C&S s.r.o.
Phone: +42 058 174 1814
Fax: +42 058 170 2452
E-mail: info@linak.cz
www.linak.cz - www.linak.sk

Denmark - International

LINAK International
Phone: +45 73 15 15 15
E-mail: info@linak.com
www.linak.com

Denmark - Sales

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
E-mail: linak@linak.fi
www.linak.fi

France

LINAK FRANCE E.U.R.L.
Phone: +33 (0) 2 41 36 34 34
Fax: +33 (0) 2 41 36 35 00
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 4531797
Fax: +91 120 4786428
E-mail: info@linak.in
www.linak.in

Ireland

LINAK UK Limited (Ireland)
Phone: +44 (0)121 544 2211
Fax: +44 (0)121 544 2552
+44 (0)796 855 1606 (UK Mobile)
+35 387 634 6554
(Republic of Ireland Mobile)
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 Actuators Sdn. Bhd.
Phone: +60 4 210 6500
Fax: +60 4 226 8901
E-mail: info@linak-asia.com
www.linak.my

Netherlands

LINAK Actuator-Systems B.V.
Phone: +31 76 5 42 44 40 /
+31 76 200 11 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.com.au

Norway

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

Poland

LINAK Polska
LINAK Danmark A/S (Spółka Akcyjna)
Phone: +48 22 295 09 70 /
+48 22 295 09 71
E-mail: info@linak.pl
www.linak.pl

Republic of Korea

LINAK Korea Ltd.
Phone: +82 2 6231 1515
Fax: +82 2 6231 1516
E-mail: info@linak.kr
www.linak.kr

Slovakia

LINAK SLOVAKIA S.R.O.
Phone: +421 51 7563 444
www.linak.sk

Spain

LINAK Actuadores, S.L.u
Phone: +34 93 588 27 77
Fax: +34 93 588 27 85
E-mail: esma@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 - www.fr.linak.ch
www.it.linak.ch

Taiwan

LINAK (Shenzhen) Actuator systems Ltd.
Taiwan Representative office
Phone: +886 2 272 90068
Fax: +886 2 272 90096
E-mail: sales@linak.com.tw
www.linak.com.tw

Turkey

LINAK İth. İhr. San. ve Tic. A.Ş.
Phone: +90 312 4726338
Fax: +90 312 4726635
E-mail: info@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: 011-4303-8989 / 8900
Fax: 011-4032-0184
E-mail: info@novotecargentina.com
www.novotecargentina.com

Colombia

MEM Ltda
Phone: +[57] (1) 334-7666
Fax: +[57] (1) 282-1684
E-mail: servicioalcliente@memitda.com.co
www.mem.net.co

India

Mechatronics Control Equipments India Pvt Ltd
Phone: +91-44-28558484, 85
E-mail: bala@mechatronicscontrol.com
www.mechatronicscontrol.com

Indonesia

PT. HIMALAYA EVEREST JAYA
Phone: +6 221 544 8956,
+6 221 544 8965
Fax: +6 221 619 1925
Fax (Sales): +6 221 619 4658
E-mail: hejplastic-div@centrin.net.id
www.hej.co.id

Israel

NetivTech LTD
Phone: +972 55-2266-535
Fax: +972 2-9900-560
Email: info@NetivTech.com
www.netivtech.com

Singapore

Servo Dynamics Pte Ltd
Phone: +65 6844 0288
Fax: +65 6844 0070
E-mail: servodynamics@servo.com.sg

South Africa

Industrial Specialised Applications CC
Phone: +27 011 466 0346
E-mail: gartht@isagroup.co.za
www.isaza.co.za

United Arab Emirates

Mechatronics
Phone: +971 4 267 4311
Fax: +971 4 267 4312
E-mail: mechtron@emirates.net.ae

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