

# 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 <ul style="list-style-type: none"> <li>• Power consumption (standby) max. 2.5 W</li> <li>• Power consumption (charging) max. 19 W</li> </ul>
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 2<sup>nd</sup> 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	
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

**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.

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## 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.

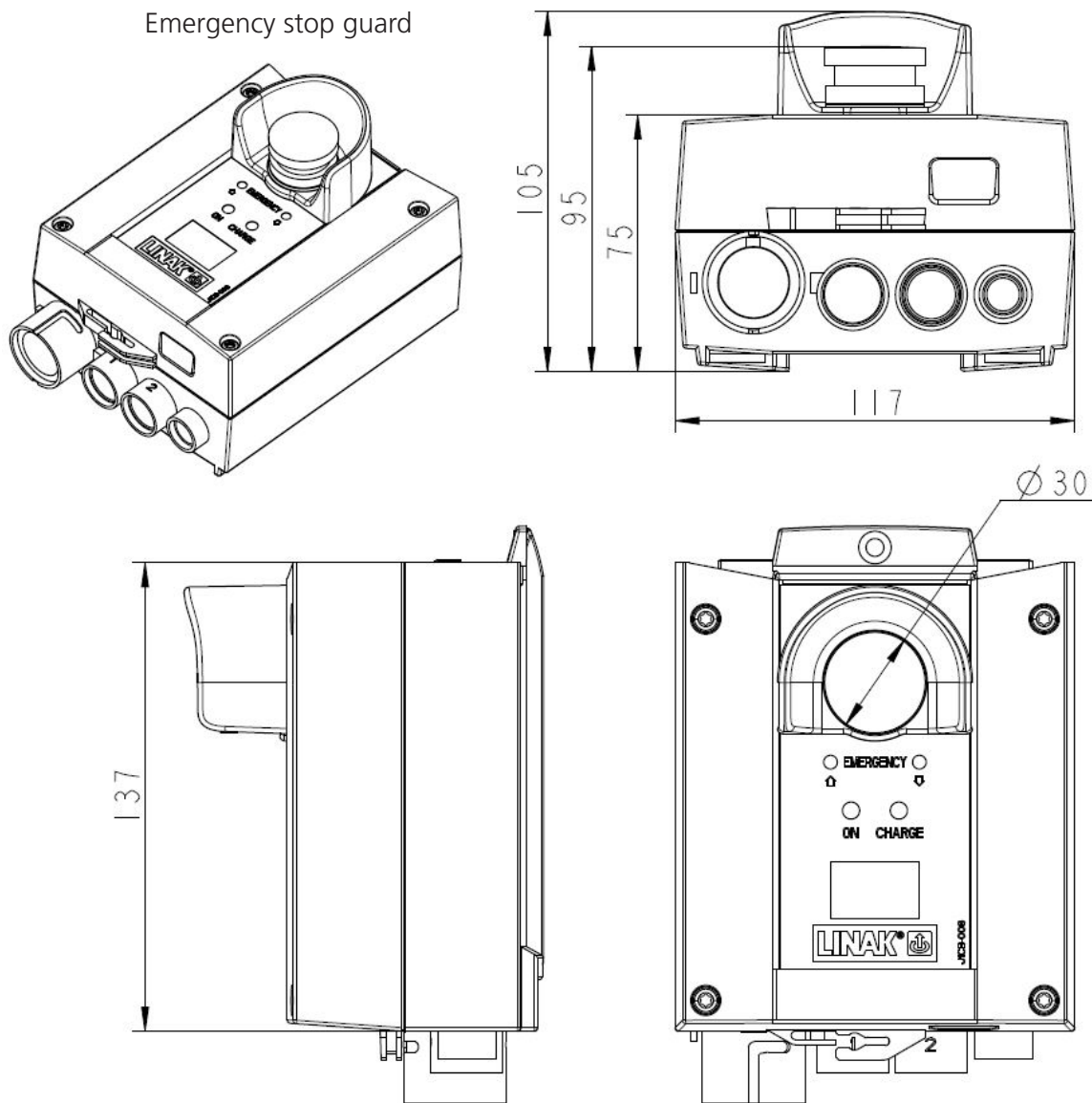
Channel 3: LA20, LA23, LA28, LA30 and LA31.

HB: HB30, HB70, HB80, HD80 JUMBO.

Charger: CH01, CHJ2 (see separate data sheet)

## Dimensions

Emergency stop guard

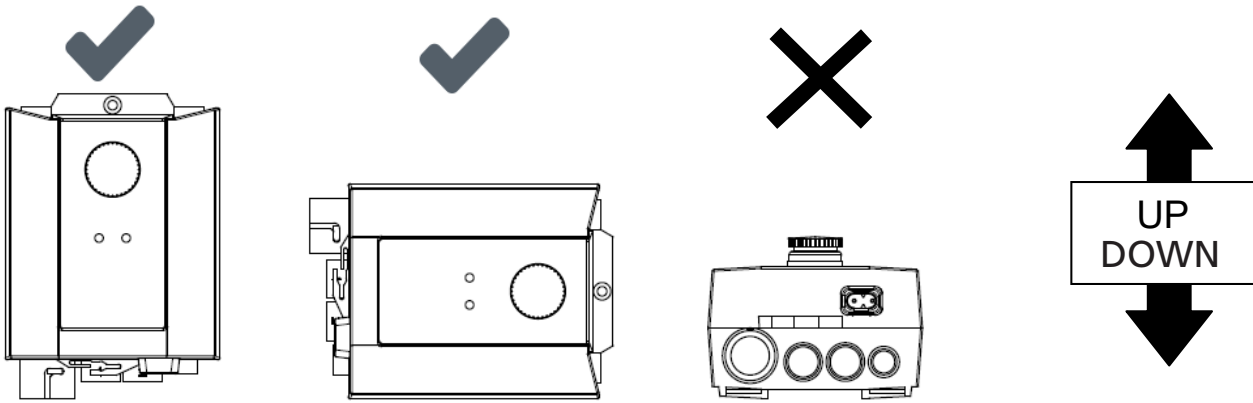


Drawing no: CBJ001

### 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.

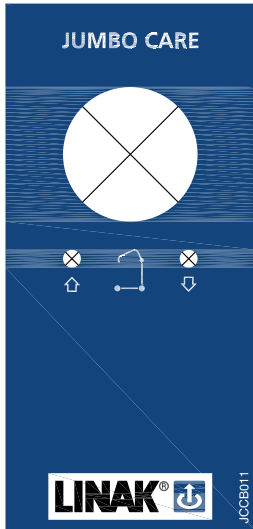
If the CBJ Care is fitted with external charger option (DC power connector), the protection plug ex. 00918174 must always be inserted to ensure IP protection, if the port is not used.

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

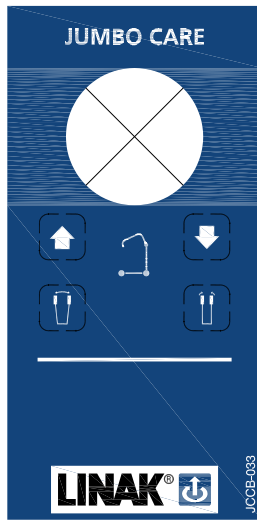
## Standard front covers

### For version without internal charger

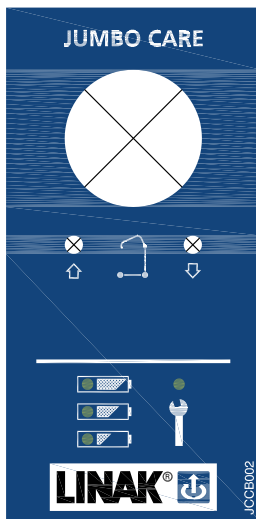
Supply option: 1-8 see ordering example



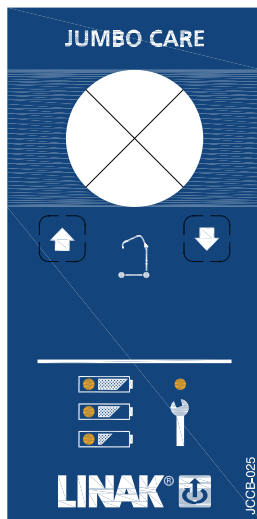
00JCCB011  
Indicator option: 0



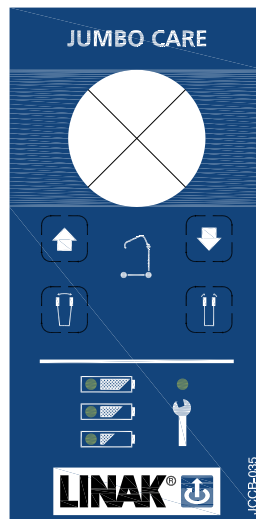
00JCCB033  
Indicator option: 0



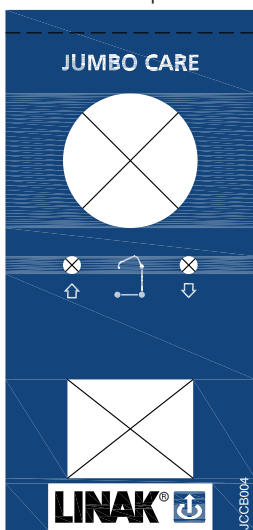
00JCCB002  
Indicator option: 1



00JCCB025  
Indicator option: 1



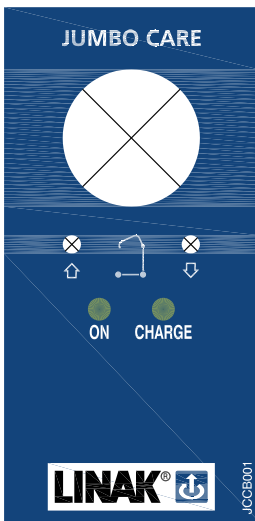
00JCCB035  
Indicator option: 1



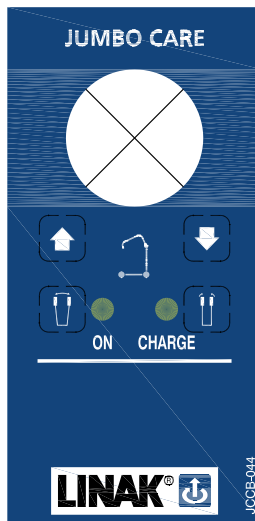
00JCCB004  
Indicator option: 2

**For version with internal charger**

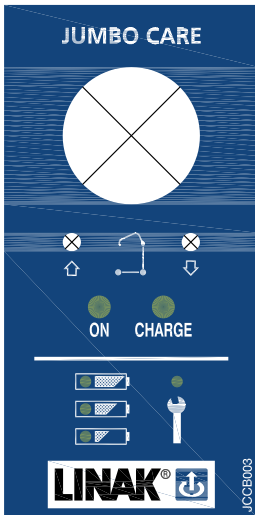
Supply option: A-H see ordering example



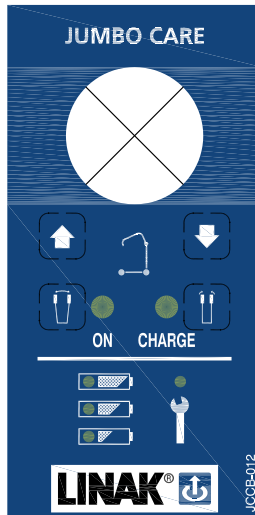
00JCCB001  
Indicator option: 0



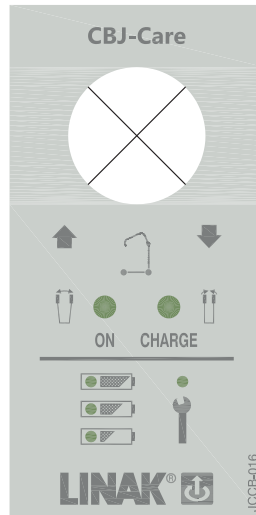
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Indicator option: 0



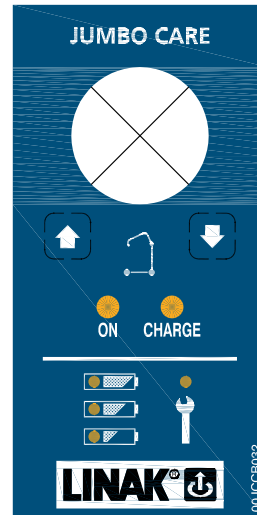
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Indicator option: 1



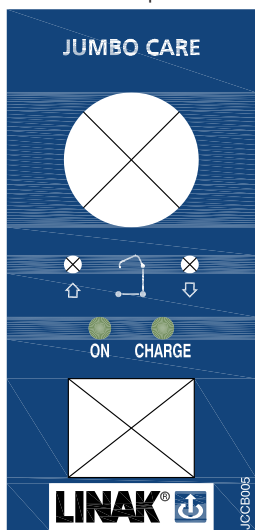
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Indicator option: 1



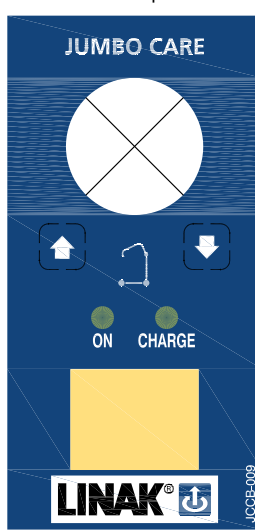
00JCCB016  
Indicator option: 1



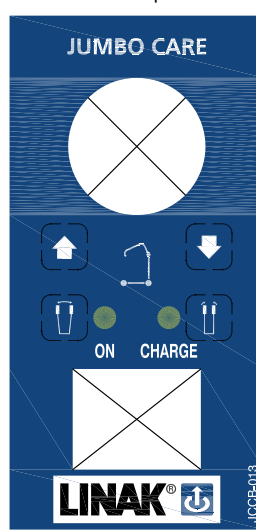
00JCCB032  
Indicator option: 1



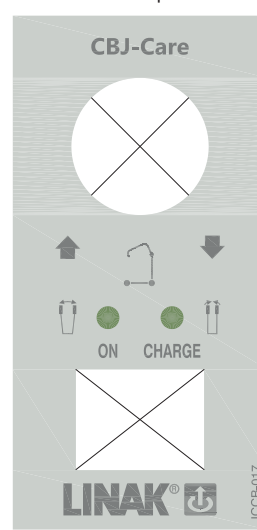
00JCCB005  
Indicator option: 2



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  
Web: www.linak.com

China  
LINAK (Shenzhen) Actuator Systems, Ltd.  
Phone: +86 755 8610 6656  
Phone: +86 755 8610 6990  
Web: www.linak.cn

Slovakia  
LINAK Slovakia s.r.o.  
Phone: +421 51 7563 444  
Web: www.linak.sk

Thailand  
LINAK APAC Ltd.  
Phone: +66 33 265 400  
Web: www.linak.com

USA  
LINAK U.S. Inc.  
Americas Headquarters  
Phone: +1 502 253 5595  
Fax: +1 502 253 5596  
Web: 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  
Web: www.linak.com.au

Austria  
LINAK Zweigniederlassung - Österreich (Wien)  
Phone: +43 (1) 890 7446  
Fax: +43 (1) 890 744615  
E-mail: info@linak.de  
Web: 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  
Web: 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  
Web: www.linak.com.br

Canada  
LINAK Canada Inc.  
Phone: +1 502 253 5595  
Fax: +1 416 255 7720  
E-mail: info@linak.ca  
Web: 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  
Web: www.linak.cz - www.linak.sk

Denmark - International  
LINAK International  
Phone: +45 73 15 15 15  
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Web: 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  
Web: www.linak.dk

Finland  
LINAK OY  
Phone: +358 10 841 8700  
E-mail: linak@linak.fi  
Web: 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  
Web: www.linak.fr

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

India  
LINAK A/S India Liaison Office  
Phone: +91 120 4531797  
Fax: +91 120 4786428  
E-mail: info@linak.in  
Web: 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 (Rep.of Ireland Mobile)  
E-mail: sales@linak.co.uk  
Web: 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  
Web: www.linak.it

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

Malaysia  
LINAK Actuators Sdn. Bhd.  
Phone: +60 4 210 6500  
Fax: +60 4 226 8901  
E-mail: info@linak-asia.com  
Web: 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  
Web: www.linak.nl

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

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

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

Slovakia  
LINAK Slovakia S.R.O.  
Phone: +421 51 7563 444  
Web: 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  
Web: www.linak.es

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

Switzerland  
LINAK AG  
Phone: +41 43 388 31 88  
E-mail: info@linak.ch  
Web: 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  
Web: 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  
Web: www.linak.com.tr

United Kingdom  
LINAK UK Limited  
Phone: +44 (0)121 544 2211  
Fax: +44 (0)121 544 2552  
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E-mail: hejplastic-div@centrin.net.id  
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Israel  
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Phone: +972 55-2266-535  
Fax: +972 2-9900-560  
E-mail: info@NetivTech.com  
Web: 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  
Web: 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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