



HL400 Data Sheet

Contents

Introduction.....	3
Features and options	3
Usage	3
Ordering example	4
Dimensions	5
With hook type 0	5
With magnet	6
With hook type 2	7
LINAK keys.....	8
Front covers.....	8
Information	8

Introduction



HL400 is designed for various healthcare applications, such as home care and nursing home beds and other medical applications, for instance chairs and lifts. It offers up to 5 rows of buttons and mechanical locking that makes it possible to do a selective locking of the different functions by use of a key.

HL400 can be used with some LINAK® analogue and all OpenBus™ control boxes. The hand control is easy to clean and offers a clear and intuitive design so that it can easily be operated by both left- and right-handers. It comes with two different hook designs and a magnet attachment, making it suitable for most applications.

HL400 is an alternative to the more advanced LINAK hand controls, such as HB400, as well as an improved ergonomic design alternative to similar LINAK hand controls with mechanical locking.

HL400 promises the following features:

- Locking of different functions with LINAK key
- Up to 5 rows of buttons
- Activation of up to 5 actuators
- LINAK analogue or OpenBus technology
- Intuitive design and operation
- Ergonomic and easy-to-clean

Features and options

Hand control for up to 5 rows

Number of buttons:	Up to 10 easy-touch buttons
Button type:	Tactile switches
Compatibility:	Analogue and OpenBus™ control boxes
Indicators:	Lock indication (green indication = unlocked/yellow indication = locked)
Lock function:	Integrated mechanical locking function
Housing colour:	Light grey (RAL 7035)
Protection class:	IPX4, IPX6
Front cover:	Standard or customised
Cable:	Fixed 600 mm coiled PU cable (RAL 7035) with modular plug
Attachment:	2 hook types and magnet attachment

Usage

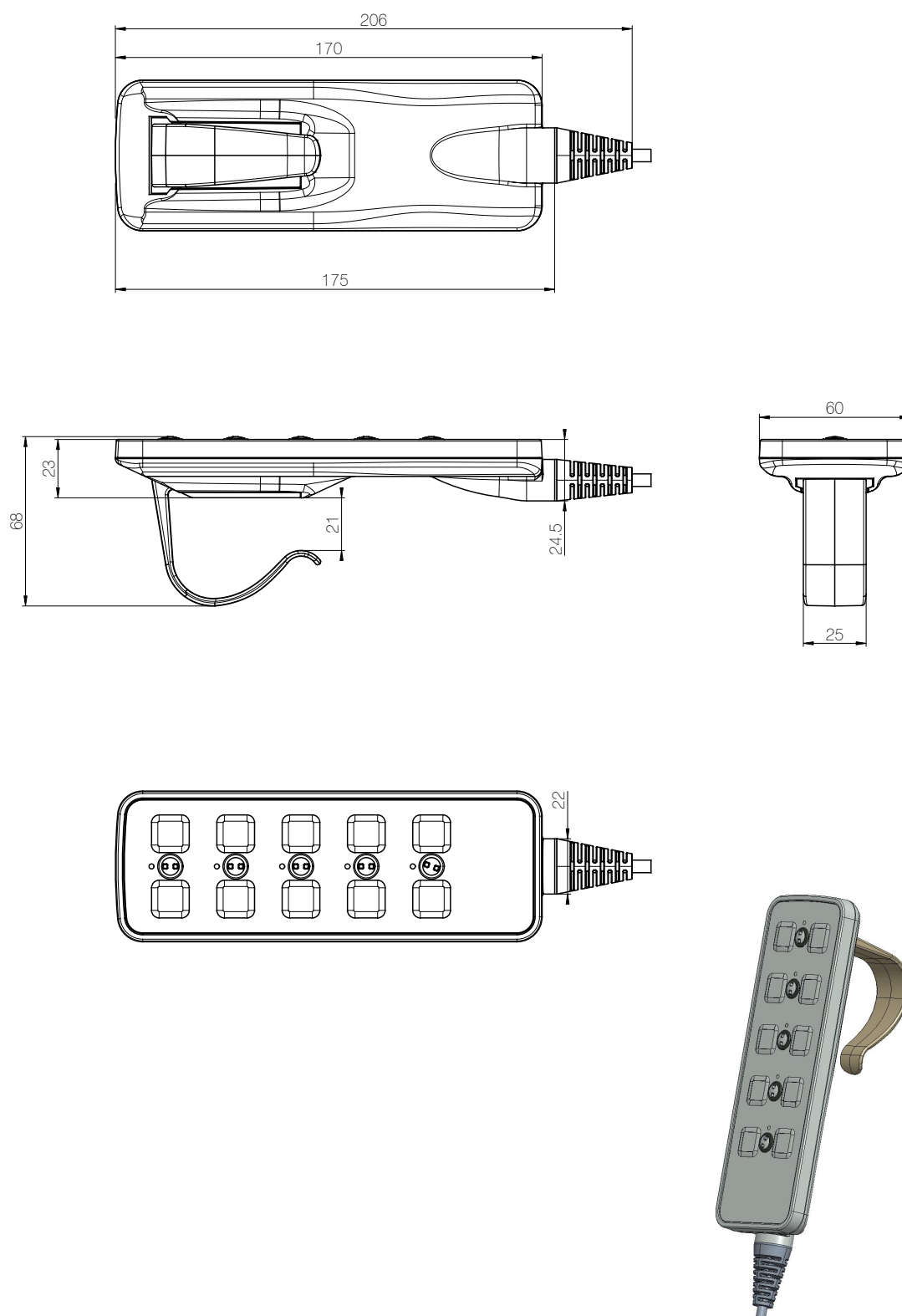
Operation temperature:	5 °C to 40 °C
Storage temperature:	-10 °C to +50 °C
Relative humidity:	20% to 80% – non-condensing
Atmospheric pressure:	700 to 1060 hPa
Meters above sea level:	Max. 3000 meters
Flammability rating:	HB
Latex-free:	Yes
Approvals:	IEC60601-1 ANSI/AAMI ES60601-1 CAN/CSA-22.2 No 60601-1

Ordering example

	H	
Type	L	L = HL400
Series	400	400 = HL400
Rows	5	2 = 2 Rows 3 = 3 Rows 4 = 4 Rows 5 = 5 Rows
Functionality	V1	V0 = OpenBus™ V1 = OpenBus V2 = OpenBus VX = OpenBus special 00 = Analogue 03 = Analogue 05 = Analogue 0D = Analogue 0X = Analogue special
Not used	0	0 = None
Front cover	0	0 = Standard X = Special
Front cover number	001	0 = Last 3 digits in front cover number
Not used	0	0 = None
Not used	0	0 = None
IP-Degree	4	4 = IPX4 6 = IPX6
	-	
Colour	1	1 = Grey RAL7035 X = Special
Mounting	0	0 = Hook type 0 1 = Magnet 2 = Hook type 2 X = Special
Not used	0	0 = None
Not used	0	0 = None

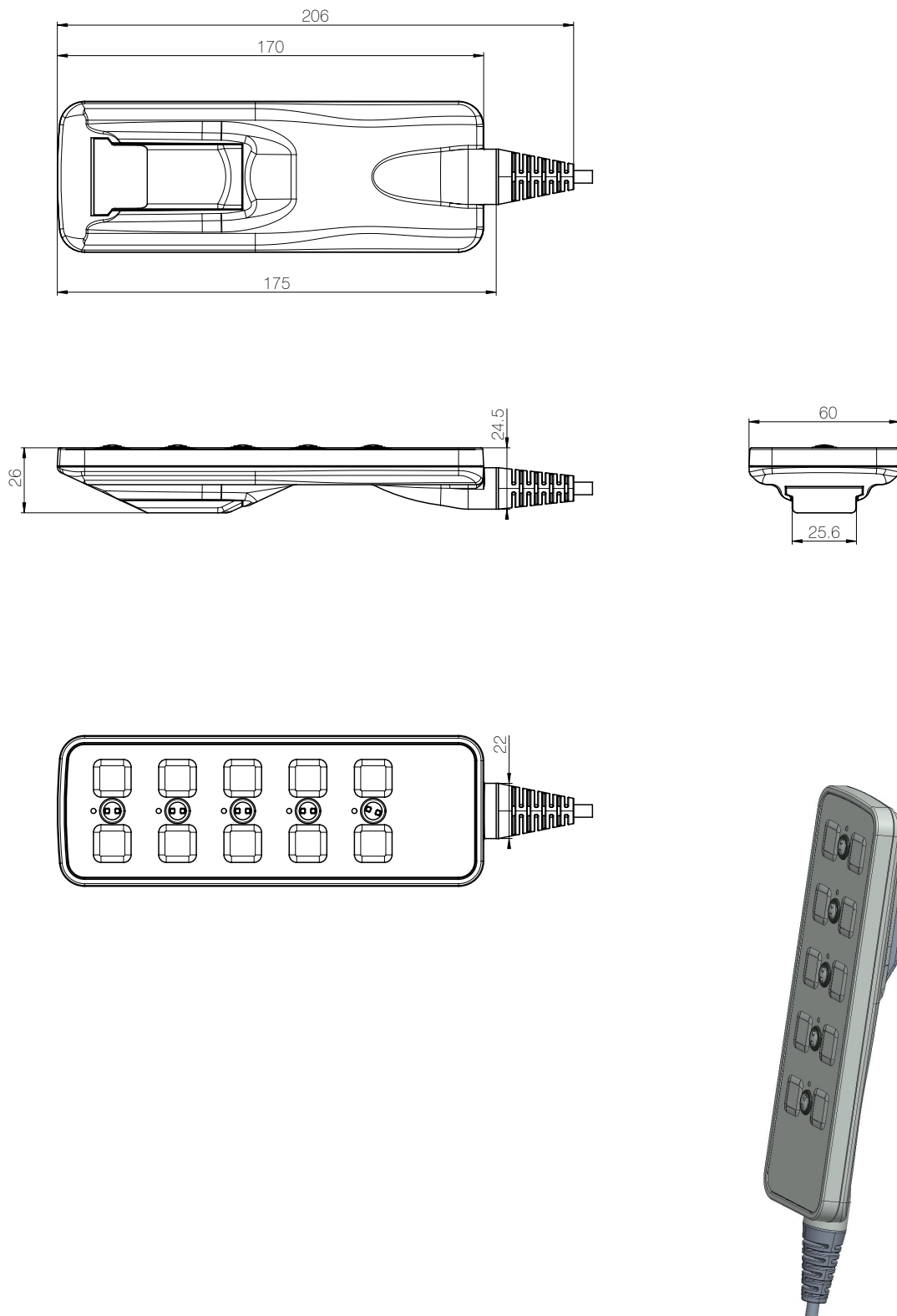
Dimensions

With hook type 0

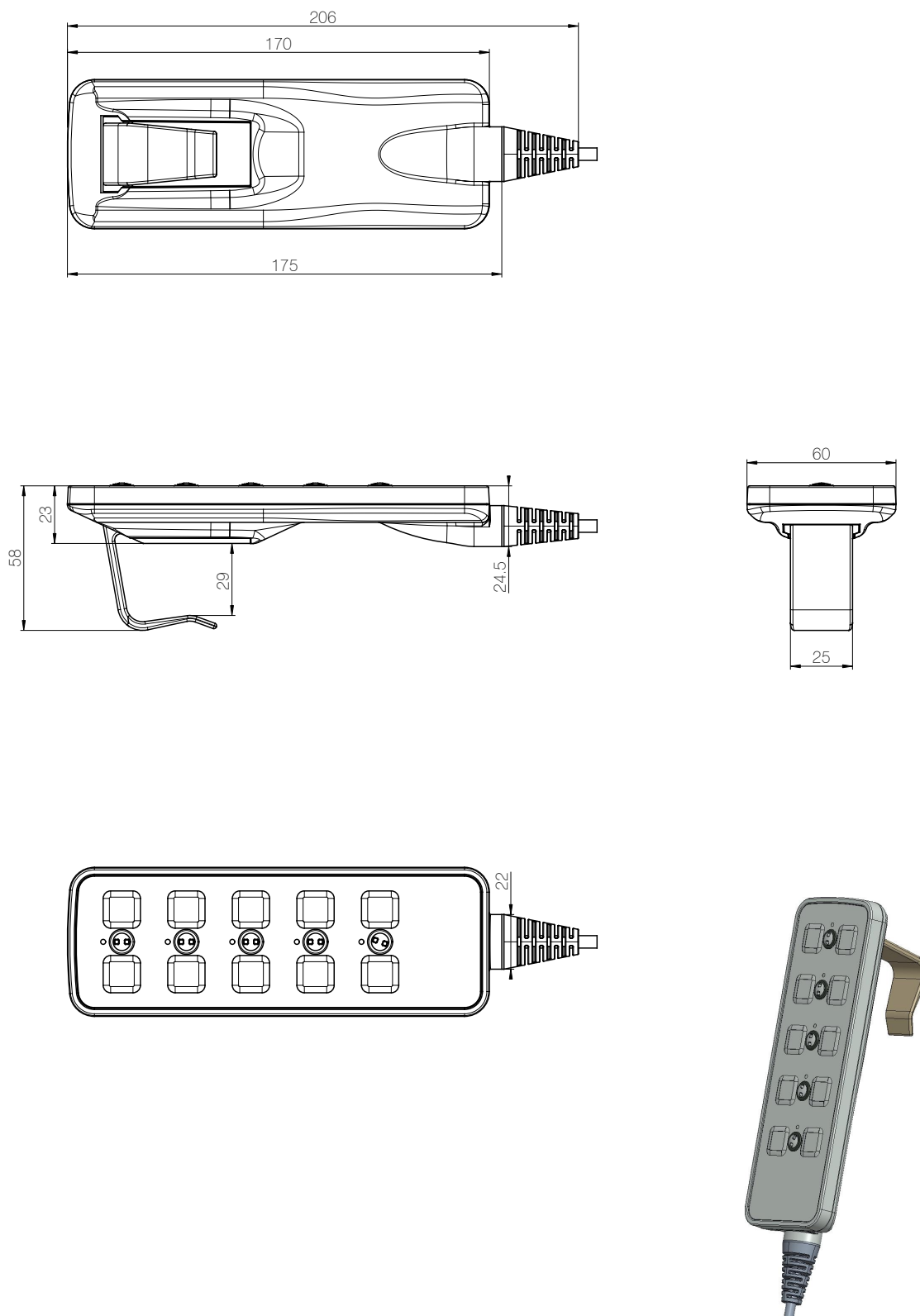


Drawing number: 1050w4002

With magnet



Drawing number: 1050w4002

With hook type 2

Drawing number: 1050w4002

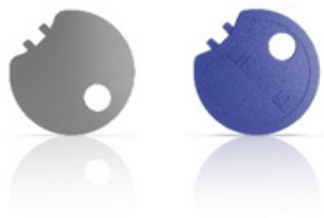
LINAK keys

LINAKhand control keys are intended for nursing staff use only.

There are two different types of keys available for locking and unlocking the hand control:

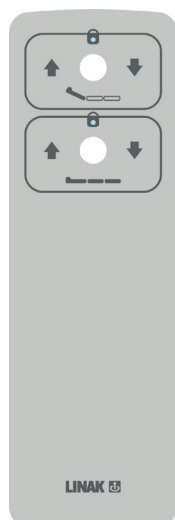
Article no. 00914516	plastic, Pantone 660 (blue)
Article no. 00914721	metal

The keys must be ordered separately.

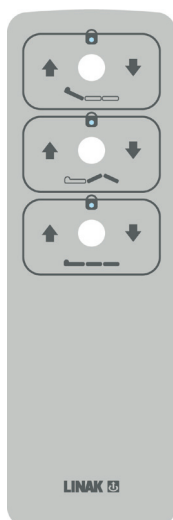


Front covers

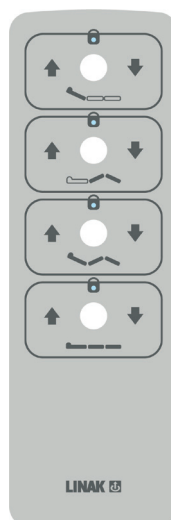
The standard front covers below can be used for HL400. Some of them are with transparent areas (light blue dot) in the lock symbol. These will be either green (unlocked) or yellow (locked) depending on the lock status. These are intended for hand controls with integrated mechanical locking.



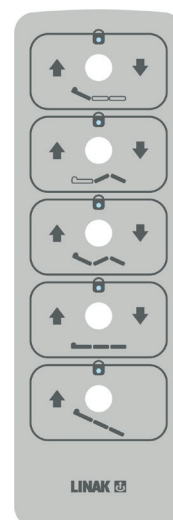
00HL4002A6000



00HL4003A6000



00HL4004A6000



00HL4005A6000



Information

Attention should be given to ensure that the channels shown correspond to the channels on the chosen control box as well as to the symbols on the front cover.

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 Repräsentanz - 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.Lu
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@memltda.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

Terms of use

LINAK® takes great care in providing accurate and up-to-date information on its products. However, the user is responsible for determining the suitability of LINAK products for a specific application. Due to continual development, LINAK products are subject to frequent modifications and changes. LINAK reserves the rights to conduct modifications, updates, and changes without any prior notice. For the same reason, LINAK cannot guarantee the correctness and actual status of imprinted information on its products.

LINAK uses its best efforts to fulfil orders. However, for the reasons mentioned above, LINAK cannot guarantee availability of any particular product at any given time. LINAK reserves the right to discontinue the sale of any product displayed on its website or listed in its catalogues or in other written material created and produced by LINAK, LINAK subsidiaries, or LINAK affiliates. All sales are subject to the 'Standard Terms of Sale and Delivery for LINAK A/S' available on LINAK websites. LINAK and the LINAK logotype are registered trademarks of LINAK A/S. All rights reserved.