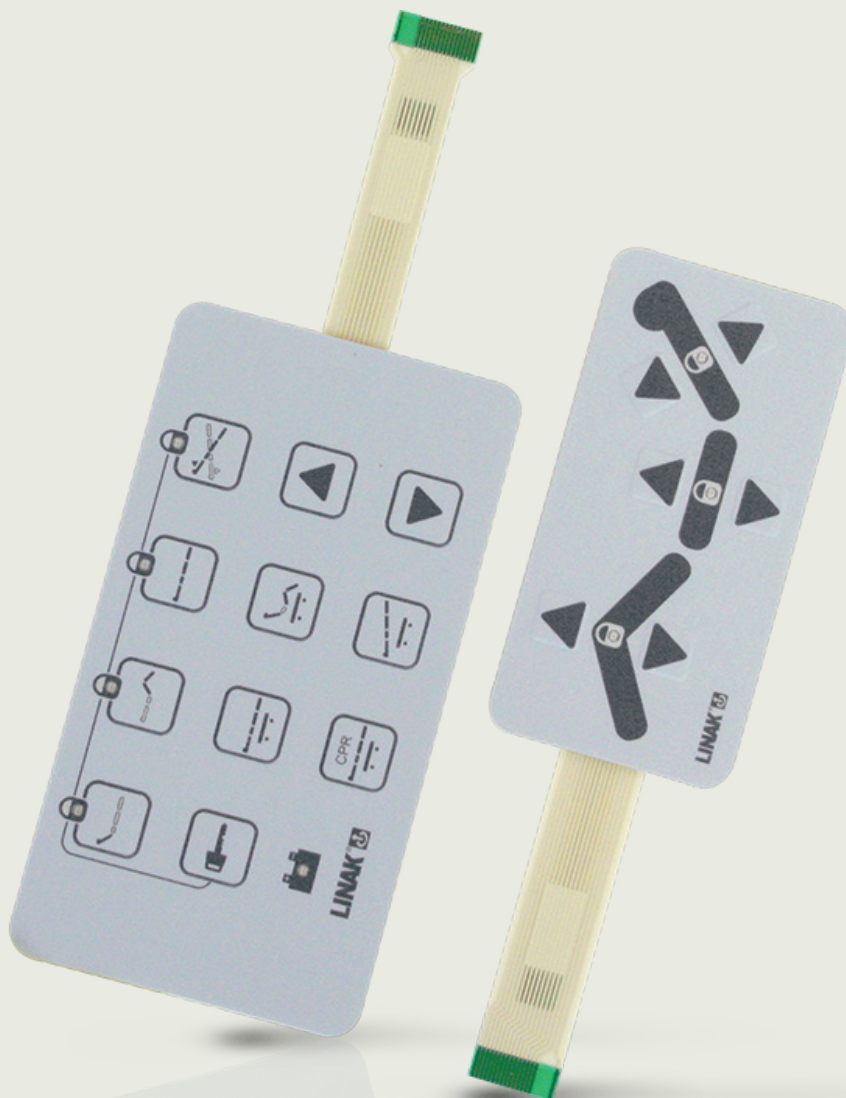


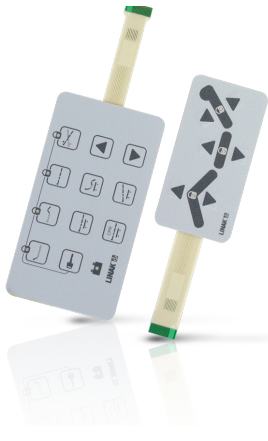
Attendant Control Keypad – ACK Data Sheet



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Introduction



With the OpenBus™ system it is possible to use ACK membrane front covers as attendant controls or hand controls integrated in the bed side rails.

There are two different variants of ACK: ACK1 and ACK3.

The ACK1 is a single membrane front cover, whereas the ACK3 comes with two membrane front covers, typically used on an inside side rail and an outside side rail.

ACK offers easy access to critical positioning functions and correct bed position in case of emergency. Another benefit is high adaptation to customer needs with customised key and diode layouts, and membrane front covers adapted to the requested design and colour.

Further benefits are included in the ACK3 version, as this offers double and flexible bed control for the patient and the nurse to give increased comfort and efficiency. ACK3 allows for full intuitive bed control with up to 2x15 keys and 2x7 LEDs.

Features and options

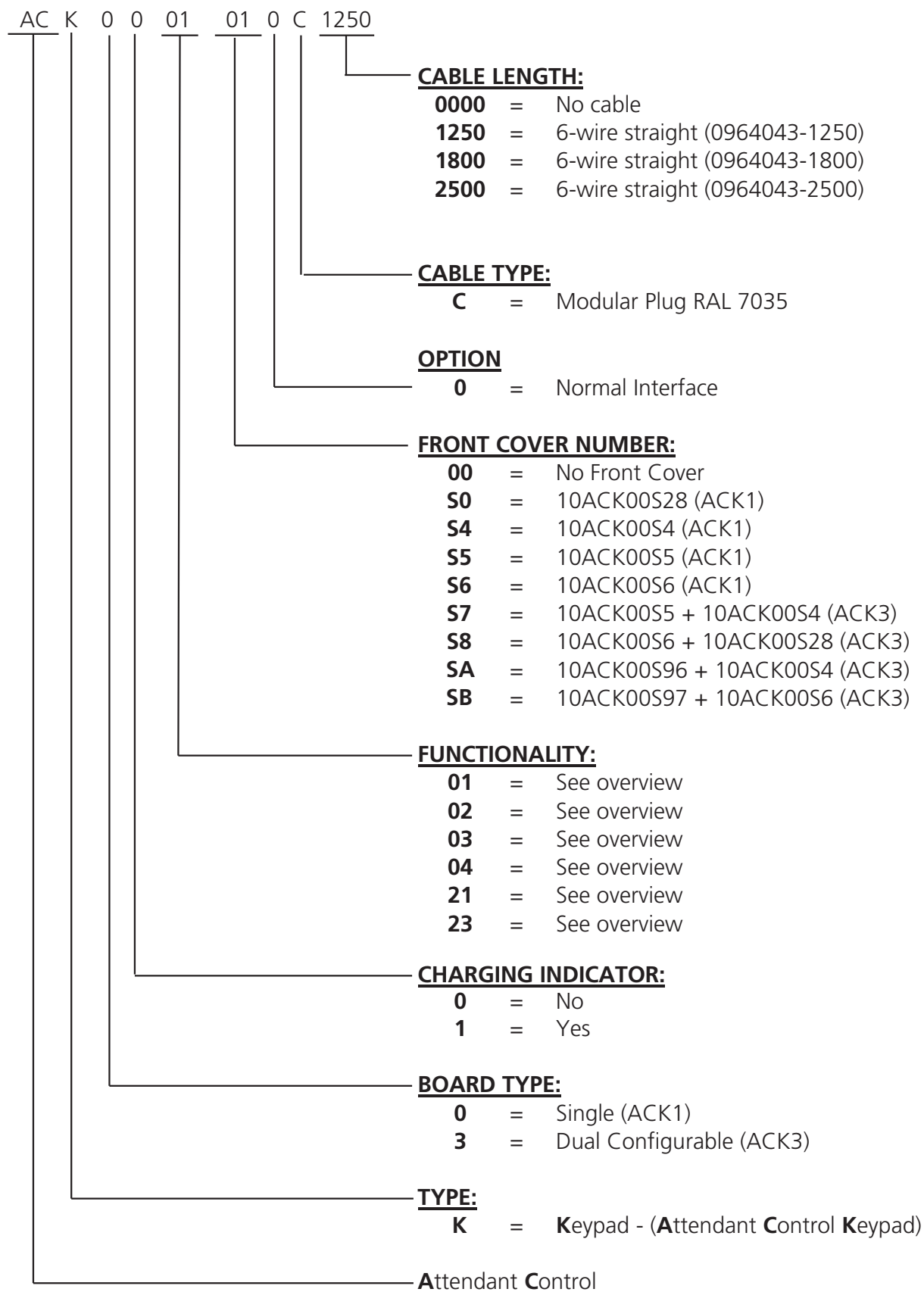
- The membrane front covers can be used as controls for nurse and patient
- Placed conveniently in the bed side rails allowing optimum ease of use
- Up to 15 keys and 7 LEDs possible with the ACK1
- Up to 2x15 keys and 2x7 LEDs possible with the ACK3
- Protection against single fault condition according to IEC 60601-1 when connected to a LINAK OpenBus™ control box
- An LED which indicates when the battery is being charged (yellow)
- There is no IP rating as standard. The customer must ensure a proper application design and build-in of the ACK unit to achieve the correct IP degree (e.g. IPX4).
- Connection to CB or MJB via a “modular jack” cable (6-wired)
- Possible to customise design and colours of the membrane front covers
- Possible to customise the layout of the keys and LEDs
- Possible to customise SW (LixEdit)

Usage

Operation temperature:	+5 °C to +40 °C
Storage temperature:	-10 °C to +50 °C
Compatibility:	Compatible with LINAK control boxes. Please contact LINAK.
Relative humidity:	20% to 80% – non-condensing
Atmospheric pressure:	700 to 1060 hPa
Meters above sea level:	Max. 3000 metres
Approvals:	- IEC60601-1 - ANSI/AAMI ES60601-1 - CAN/CSA-22.2 No 60601-1



Ordering example

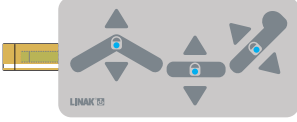
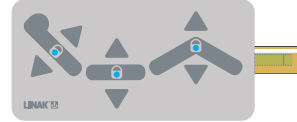
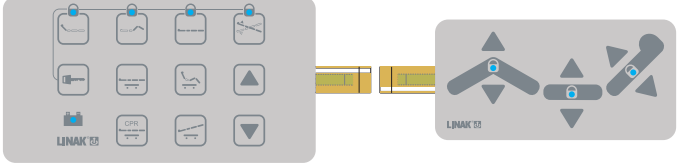
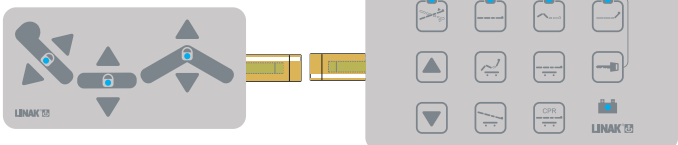
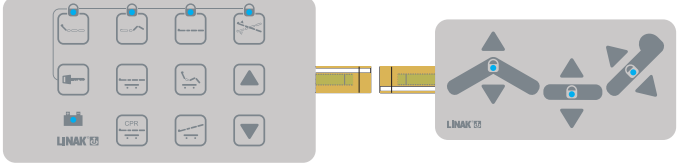
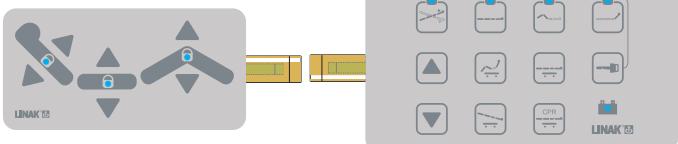


An electronic interface (PCBA), a membrane front cover and a cable are included when ordering an ACK – Attendant Control Keypad.



Overview

Please use the below membrane front cover and functionality guide for easy ordering.

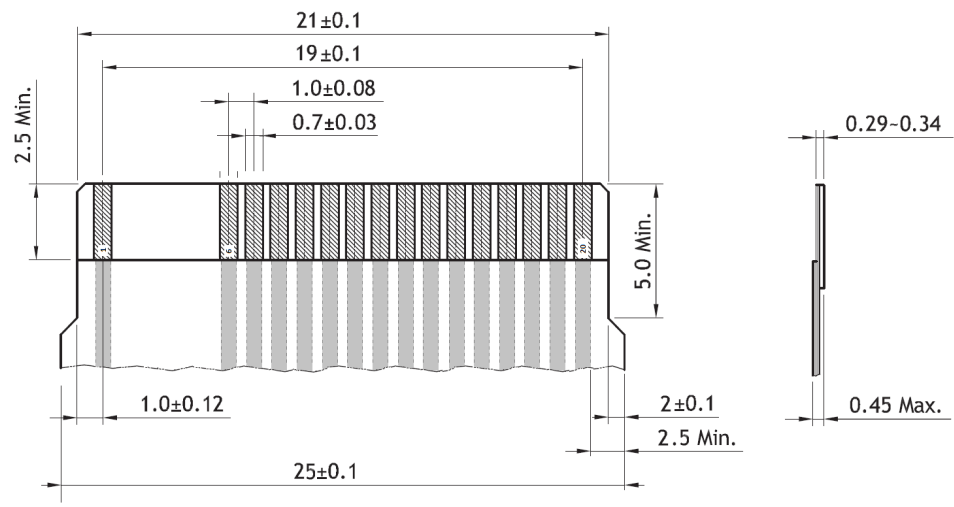
ACK	Front cover no.	Func- tionality	Keys	LEDs	Graphics for ACK standard membrane front covers
ACK1	S0 = 10ACK00S28	04	11	5	
ACK1	S4 = 10ACK00S4	01	6	3	
ACK1	S5 = 10ACK00S5	02	11	5	
ACK1	S6 = 10ACK00S6	03	6	3	
ACK3	S7 = 10ACK00S5 + 10ACK00S4	21	11+6	5+3	
ACK3	S8 = 10ACK00S6 + 10ACK00S28	23	6+11	3+5	
ACK3	SA = 10ACK00S96* + 10ACK00S4	21	11+6	5+3	
ACK3	SB = 10ACK00S6 + 10ACK00S97*	23	6+11	3+5	

* with long tail (see dimensions)

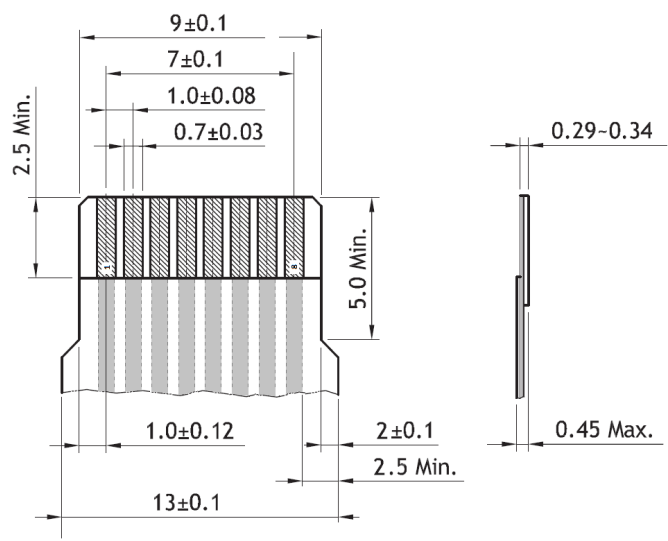


Tail connectors

Key tail

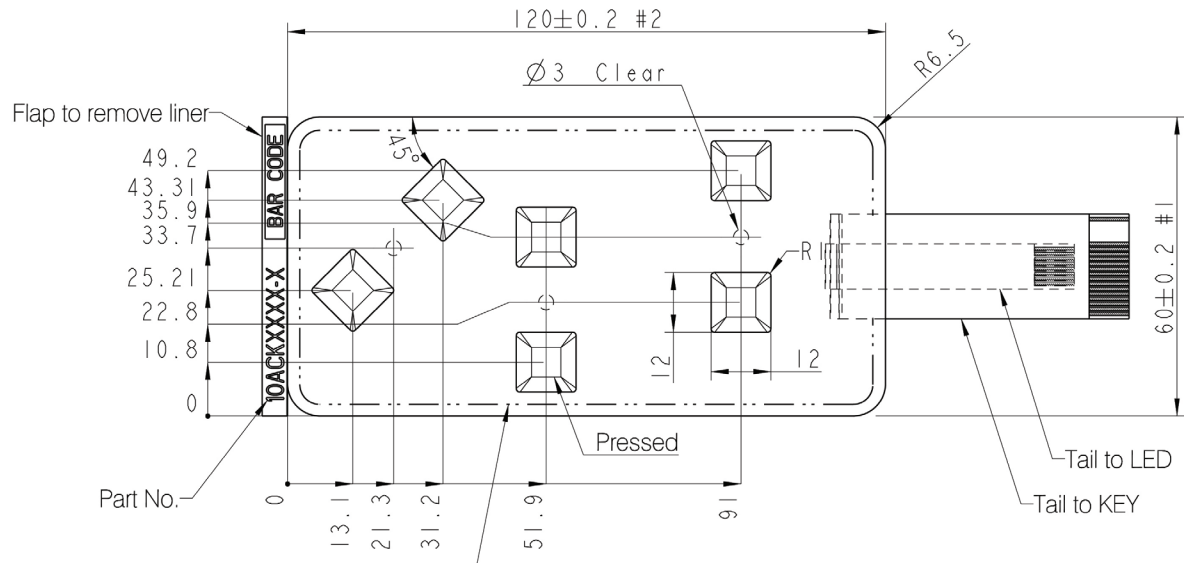


LED tail



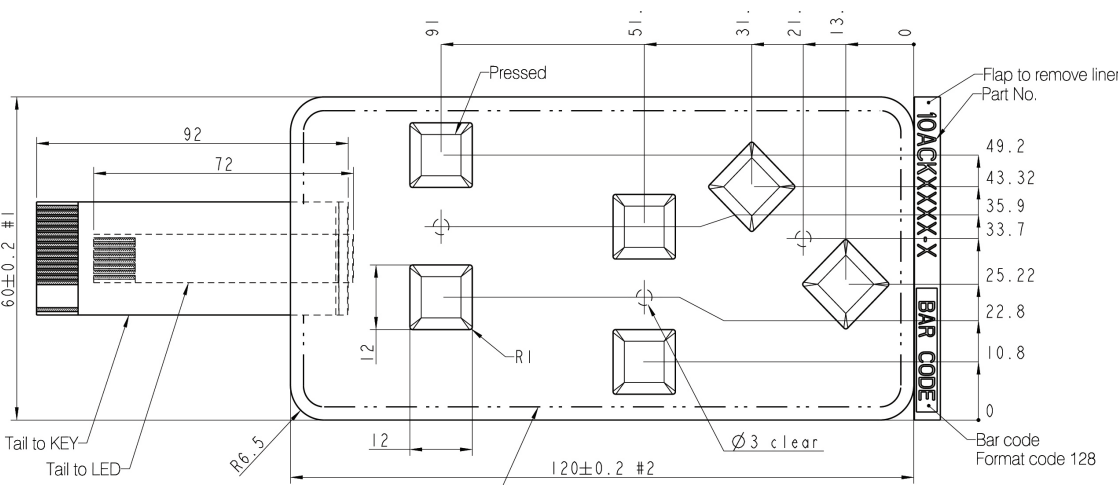
Dimensions

Patient membrane front cover



Keep a minimum Creepage of 2.5 mm to all internal wiring.
(EN60601-1:2006)
Best practice! Wiring/Net nearest to Creepage border should be GND.

Drawing: 0971003

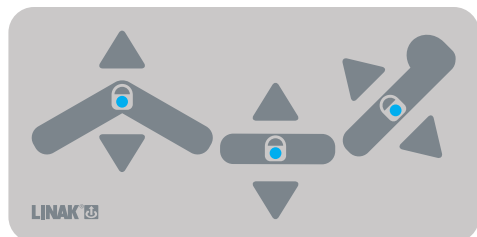


Keep a minimum Creepage of 2.5 mm to all internal wiring.
(EN60601-1:2006)
Best practice! Wiring/Net nearest to Creepage border should be GND.

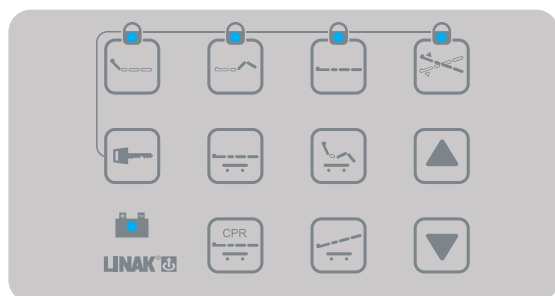
Drawing: 0971001

Standard front covers

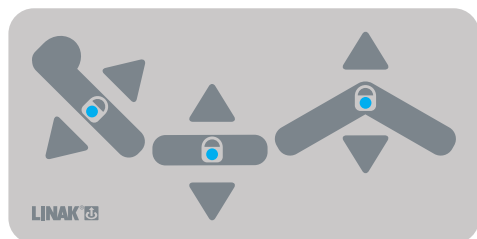
Front cover no.: 10ACK00S4



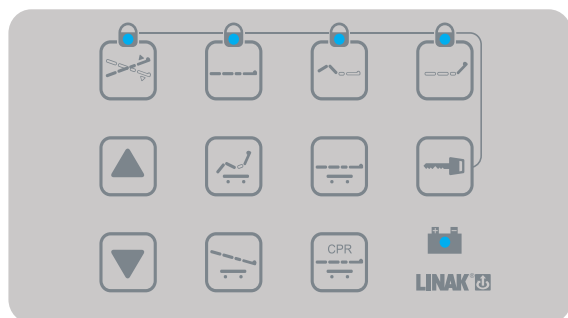
Front cover no.: 10ACK00S5 / 10ACK00S96



Front cover no.: 10ACK00S6



Front cover no.: 10ACK00S28 / 10ACK00S97



For customised membrane front covers please contact LINAK A/S.



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
E-mail: info@linak.com
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
Fax: +41 43 388 31 87
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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Web: www.linak.co.uk

DISTRIBUTORS

Argentina

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India

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Indonesia

PT. Himalaya Everest Jaya

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Fax (Sales): +6 221 619 4658
E-mail: hejplastic-div@centrin.net.id
Web: www.hej.co.id

Israel

NetivTech LTD

Phone: +972 55-2266-535
Fax: +972 2-9900-560
Email: 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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