Staff Control - SC01

Data Sheet

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Introduction

With the OpenBus™ system it is possible to use SC01 as attendant controls integrated in the bed side/end rails.

The system allows the use of two control panel types: one for staff and one for the patient. This enables both parties to operate bed functions independently, improving safety and accessibility.
These panels can be used either together or separately, depending on the setup.

SC01 contains a standard PCBA plus a customised front cover which offers various benefits like:

- Selective bed control with lock-out functionality for increased safety and comfort for the patient and efficiency for the staff
- Intuitive control of up to 14 buttons and 7 LEDs allows for full control of the bed
- Easy access to critical positioning functions and correct bed position in case of an emergency
- High adaptation to customer needs with customised layout of the buttons and LEDs

Features and options

Protection class:	IPX0 (the product itself has no protection class as it is open PCBA + front cover, the IP degree of a mounted product depends on the application)
Indications:	Up to 7 LEDs: 1 LED indication for battery charging (orange) 5 LED indication for lock-out functionality (orange) 1 LED indication for mains (orange)
Dimensions:	125.0 mm*75.0*8.6 mm (PCBA)
Front cover:	Standard or customised
Cable:	Straight cables: 1250 mm, 1800 mm or 2500 mm
Connection:	Control box or Multi Junction Box via modular jack cable (6-wired)
Attachment:	To be fixed into bed side/end rails
Customisation:	Possible to customise software (LixEdit)
Magnet lock:	Yes (activated via Hall sensor)

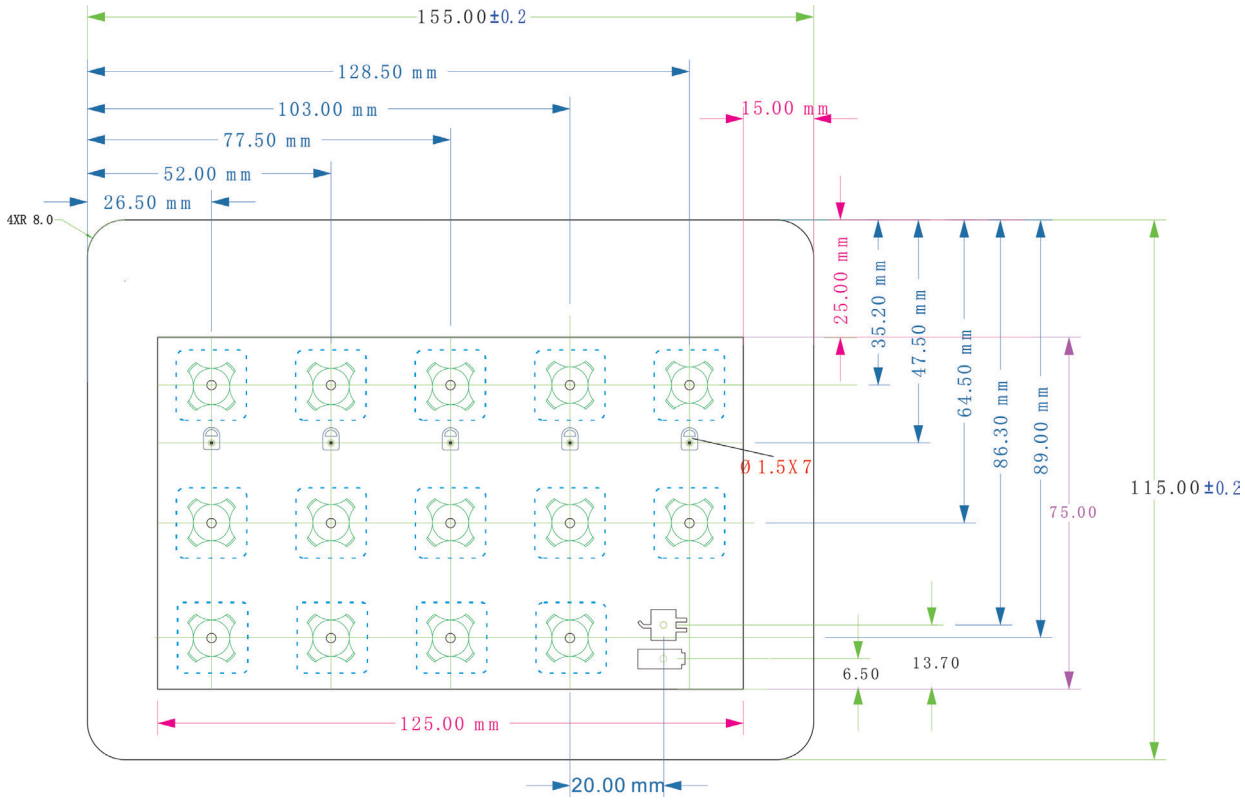
Usage

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
Height above sea level:	Max. 3000 meters
Approvals:	IEC60601-1 ANSI/AAMI ES60601-1 CAN/CSA-22.2 No 60601-1
Compatibility:	LINAK CO control box platform

Dimensions

PCBA dimensions

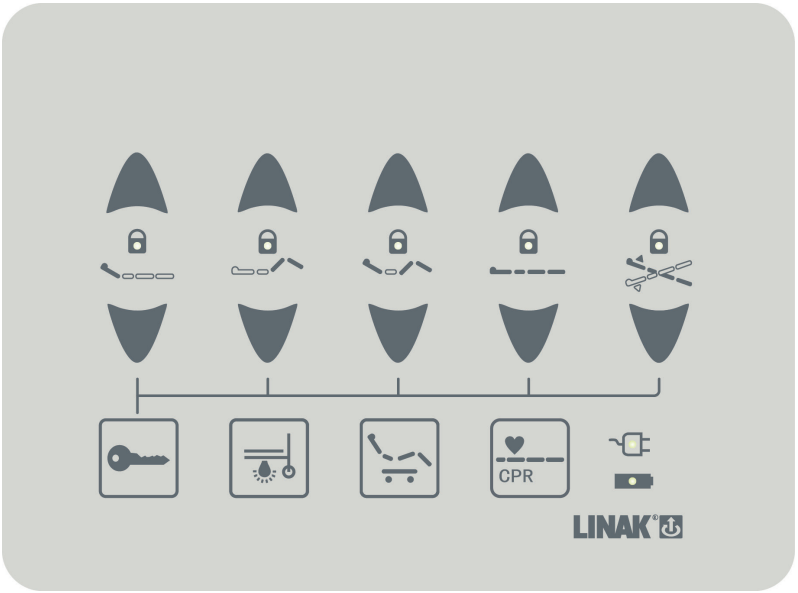
Length*width*thickness = 125.0 mm*75.0 mm*8.6 mm. The thickness of 8.6 mm includes the top of the mounted electronic components.



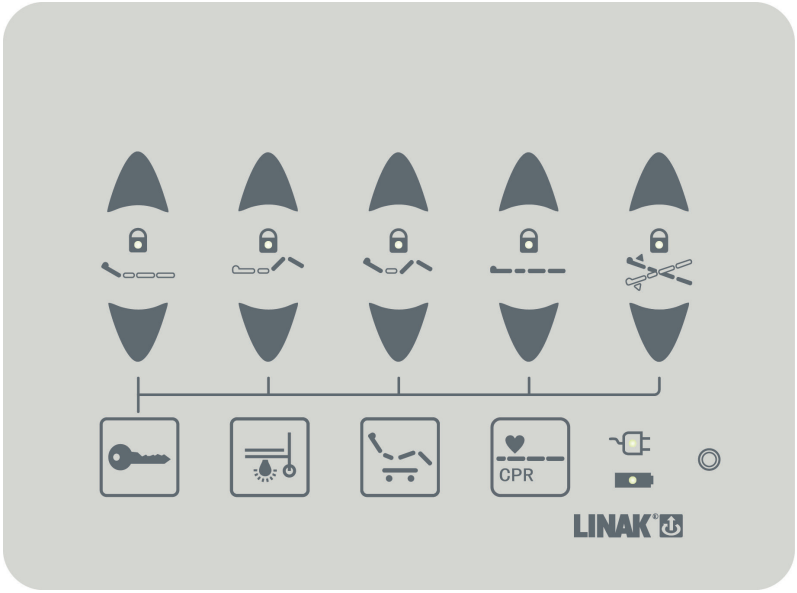
Front covers

Be aware that the size and position of buttons, LEDs and Hall sensor are not adjustable as they need to fit the dimension of the standard PCBA.

Front cover - staff control



00SC011407 (without Hall)

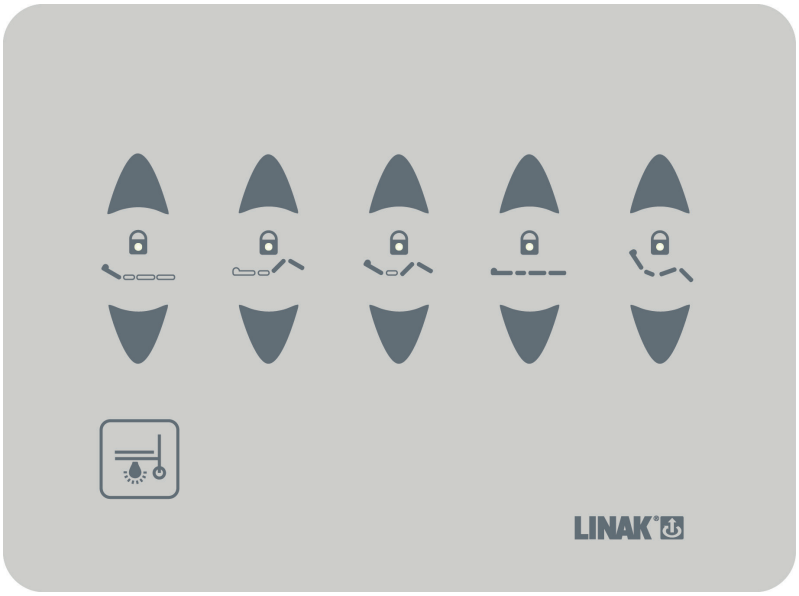


00SC011406 (with Hall)

Information

The front cover is to be fixed to the bed rail with glue (3M9495LE, 0.17 mm).

Front cover - patient side



00SC0111010

Information

- The front cover is to be fixed to the bed rail with glue (3M9495LE, 0.17 mm).
- In case that both patient control and staff control are used in the same bed rail, remember to order T cable.

Ordering example

	SC01				
Functionality:	00	**00** =	See overview		
Not used	0	**Not used**			
Number of buttons on front cover	14	**14** =	14 buttons (staff control)	**XX**	= Special
		11 =	11 buttons (patient side)		
Front cover item number	406	**406**	= With Hall icon (staff control)	**XXX**	= Special
		407	= Without Hall icon (staff control)		
		010	= Patient side control		
Hall	1	**1**	= Hall	**0**	= No Hall
Not used	0	**Not used**			
Not used	0	**Not used**			
Not used	0	**Not used**			
Not used	0	**Not used**			
Not used	0	**Not used**			

Chosen product name: SC0100014406100000

Information

Instead of displaying the product name, the label will show the item number.

Approvals and certifications

For approval documentation, LINAK recommends specifying the product type instead of individual item numbers to ensure broader approval coverage and simplify future product changes.

Listed LINAK item for application approval: SC01

If this is not possible, we advise being as non-specific as possible when specifying LINAK products in your approval application:

Listed LINAK item for application approval: SC01********

" * " is not safety critical and we recommend including a non-specific signifier such as an asterisk.

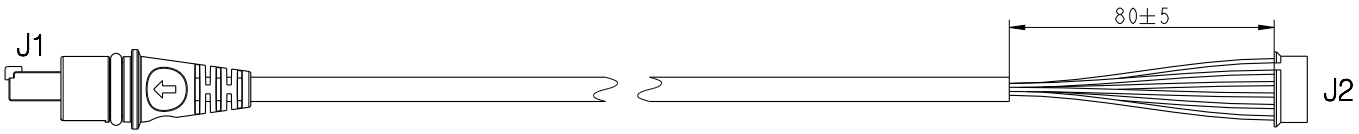
" S " is safety critical and represents a listed critical component in the product and cannot be left out.

For more information, please refer to "Approvals and certifications" in LINAK Application Design Recommendations found under User Manual for any given product on LINAK.com.

Cables

Use of staff control setup in bed side rail

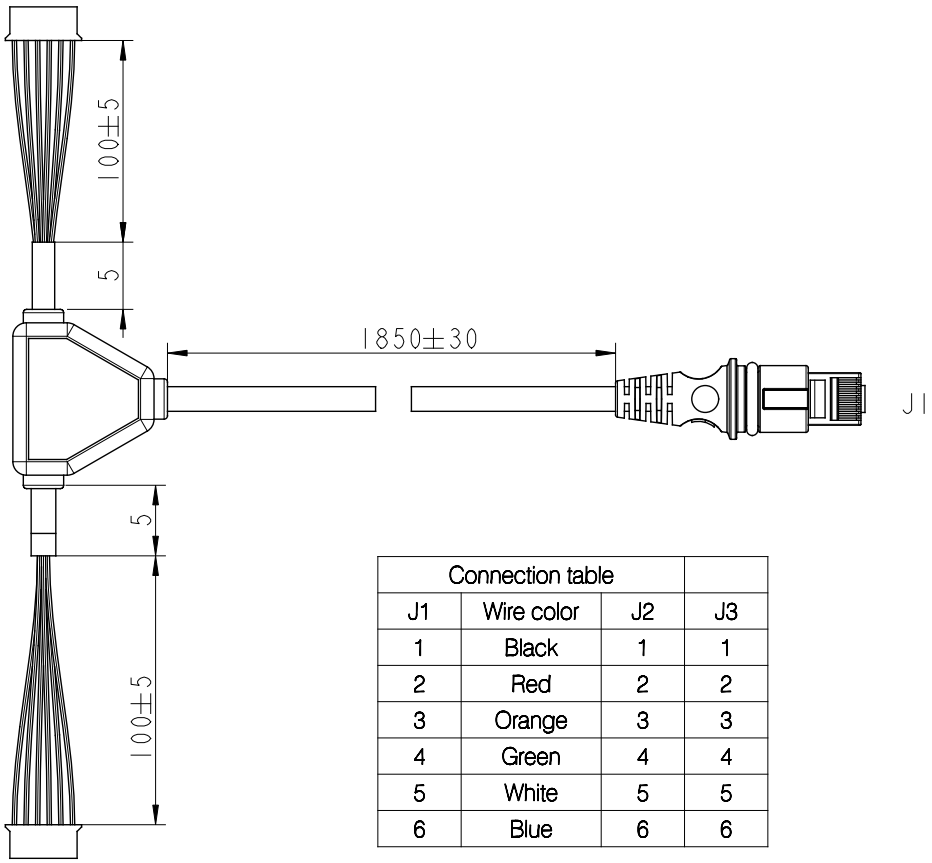
When a staff control panel is required to operate from the bed side rail, the following cable must be used (item number CAB0964043):



Connection table		
J1	Wire color	J2
1	Black	1
2	Red	2
3	Orange	3
4	Green	4
5	White	5
6	Blue	6

Use of T cable for dual control setup in bed side rail

When both patient-side and staff control units are required to operate from the same bed side rail, a T cable must be used (item number CAB0962118):



Connection table			
J1	Wire color	J2	J3
1	Black	1	1
2	Red	2	2
3	Orange	3	3
4	Green	4	4
5	White	5	5
6	Blue	6	6

Information

Be aware that cables are to be ordered separately.

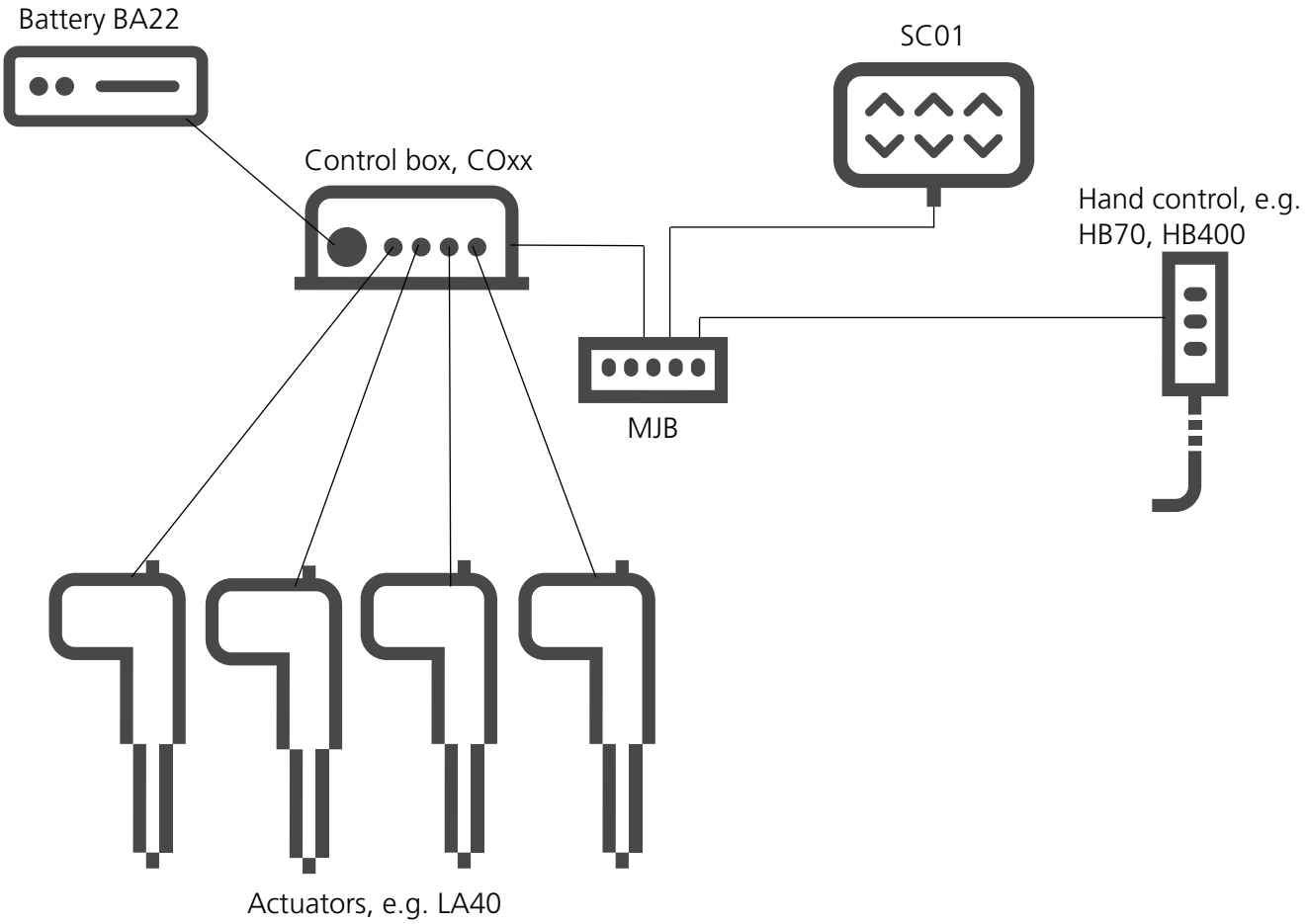
Locking via Hall sensor

The SC01 can be locked via Hall sensor by hovering the magnet key over the Hall sensor icon:

Remember to order magnet key:

Magnet key - ordering no. 0858008 (RAL 7035 light grey).

System overview



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
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 (Spólka 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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DISTRIBUTORS

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Web: www.mem.net.co

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