Hand Control HB80

Data Sheet



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Introduction



The HB80 hand control has an optimised ergonomic design shaped for the hand. The hand control is suitable for all kinds of MEDLINE® and CARELINE® applications, such as hospital beds, patient lifts, treatment and examination couches etc.

The HB80 hand control is available in versions with up to 10 or 12 activation buttons.

Further benefits are:

Available in several different standard front cover versions with a variation of symbols. Customised front covers can easily be made for a differentiated look.

Optional blue or green background lighting for use with LINAK OpenBus™ control boxes. For differentiation and easy usage in dark surroundings.

High water resistance with optional IP degree of IPX6 Washable DURA™.

The HB80 is integrated in the LINAK Configurator Econ Smart Client.

Features and options

Hand control for up to 6 actuators

Housing colour:	Light grey or dark grey
Protection class:	IPX4, IPX6 Washable DURA™
Number of buttons:	Up to 10 or 12
Front cover:	Standard or customised
Cable:	Coiled or straight
Button type:	Easy touch tactile switches
Memory option:	Possible
Background lighting:	Blue or green (for use with OpenBus™ control)
Attach:	Via hook or magnet

Usage

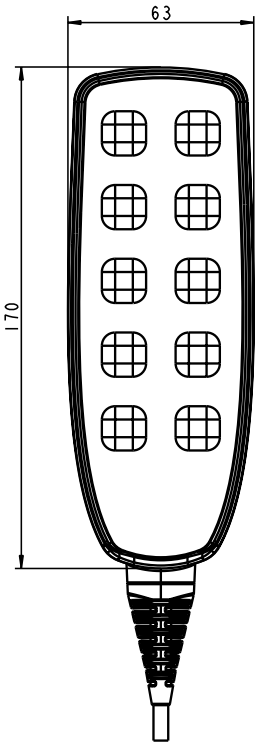
Operation temperature:	+5 °C to +40 °C
Storage temperature:	-10 °C to +50 °C
Compatibility:	Compatible with many LINAK control boxes. Please contact LINAK.
Relative humidity:	20% to 80% – non-condensing
Atmospheric pressure:	700 to 1060 hPa
Meters above sea level:	Max. 3000 meters
Approvals:	IEC60601-1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

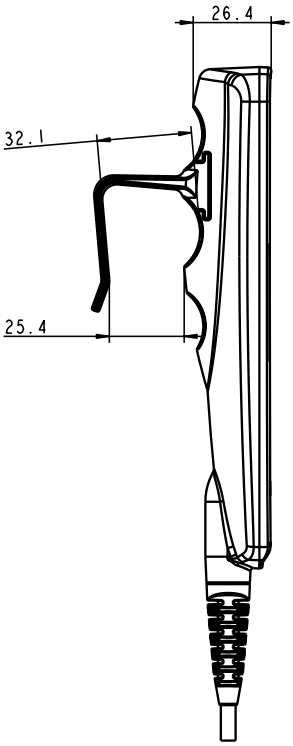
The HB86 version has a shorter distance between the buttons and cannot be approved according to EN IEC60601-2-52 Application Environment 4 for care beds used in Domestic area (or EN1970).

HB80 is designed and tested in accordance with EN60601-2-52 cl. 201.11.6.6.101 (machine washable medical beds).

Dimensions

HB81 - HB85 Dimensions (mm)



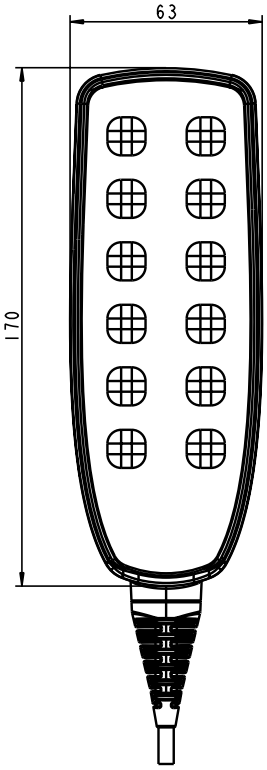


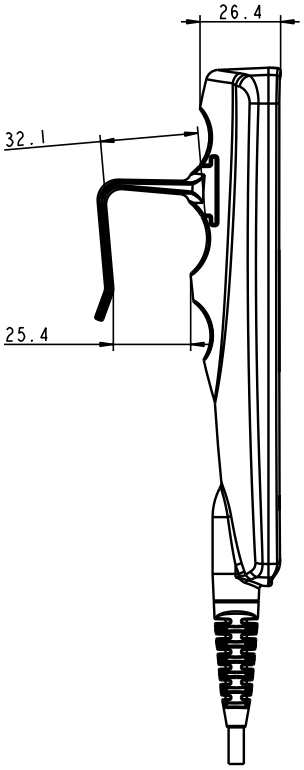
Hook option



Magnet option

HB86 dimensions (mm)



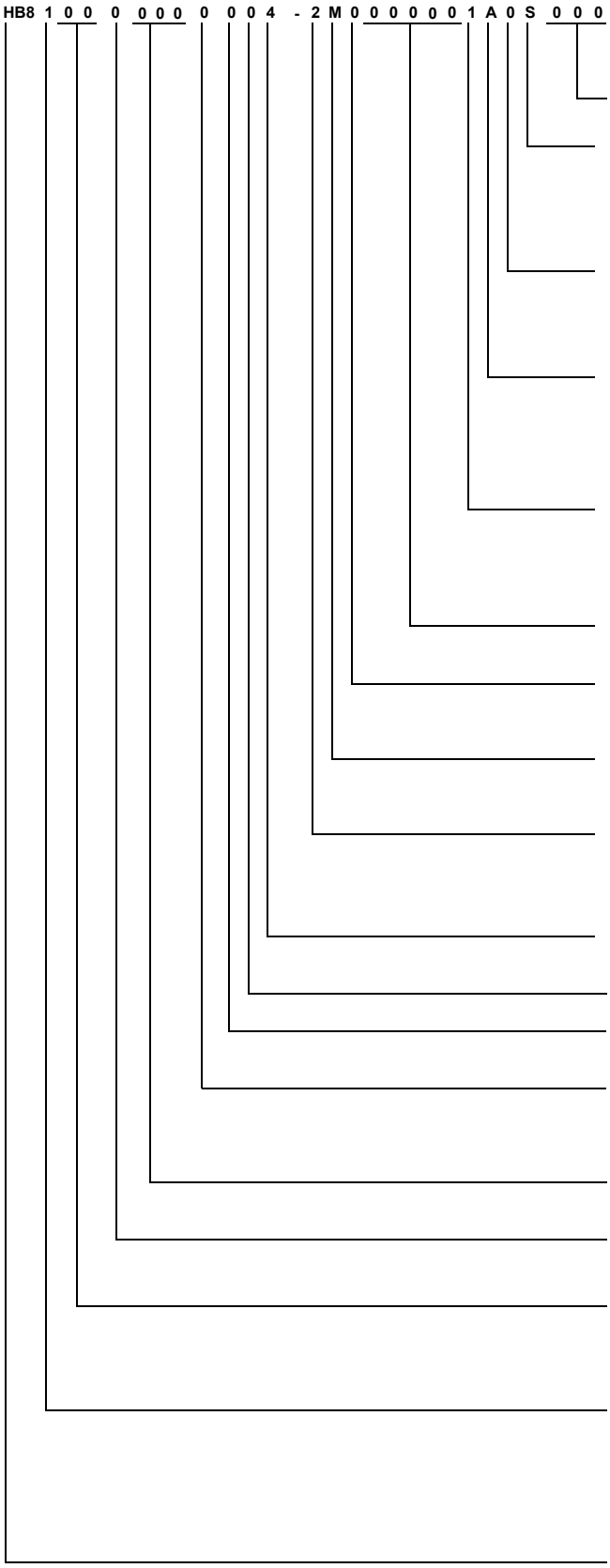


Hook option



Magnet option

Ordering example



Not used	0 = None
Cable	S = Straight C = Coiled R = Straight and Coiled X = Special N = None
Cable material	N = None 0 = PVC (only straight cables) 1 = PU X = Special
Plug type	N = None A = DIN (CB8, CBJC, CBJ2…) B = Mini-fit (CS27) D = Modular 10 PIN (CB6, CBJH, Coxx/Caxx, COLxx, CALxx) X = Special
Cable colour	0 = Undefined 1 = Black RAL 9005 2 = Grey RAL7035 3 = Dark grey RAL7016 X = Special
Not used	0 = None
Housing	0 = Standard
Mounting	0 = Hook M = Magnetic
Colour	2 = Grey RAL7035 3 = Dark grey RAL7016 X = Special
IP degree	4 = IPx4 W = IPx6 Washable DURA™ (must hang vertically)
Not used	0 = None
Not used	0 = None
Background light	0 = None 1 = Green (only OpenBus) NOT possible with CBJC! 2 = Blue (only OpenBus) NOT possible with CBJC!
Front cover number	xxx = 3 last digits in the front-cover number
Front cover	0 = Standard X = Special
Functionality	0x = AnalogueCommonStandard Hx = AnalogueCommonGND Vx = OpenBus™ xx = Special
Number of rows:	1 = 1 row 2 = 2 rows 3 = 3 rows 4 = 4 rows 5 = 5 rows 6 = 6 rows
Controls	HB8X

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: HB80

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: HB8********SSS-**SSSSSS**S*SSS

" * " 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

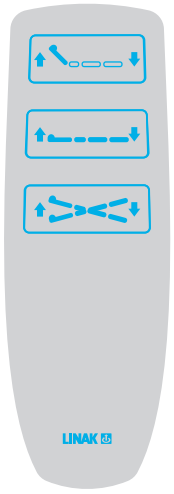
Front covers

HB8x Standard front covers, transparent

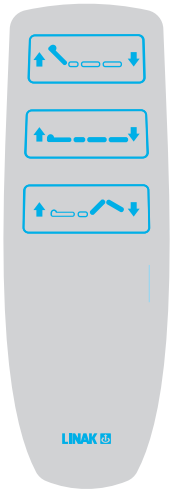
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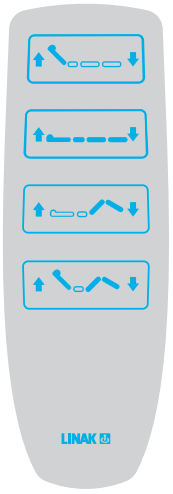
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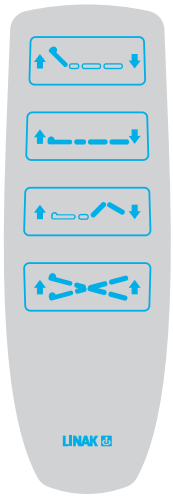
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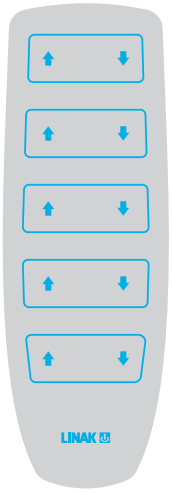
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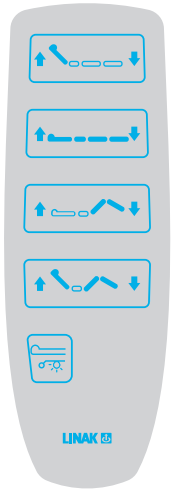
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prev. 00HB841A-001



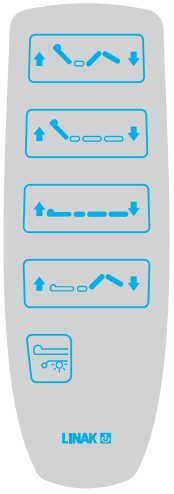
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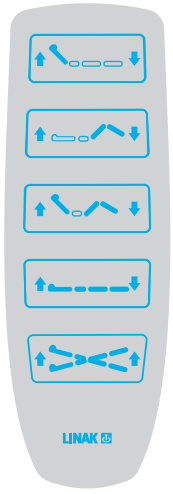
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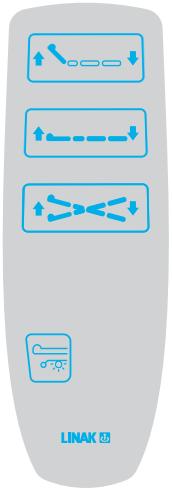
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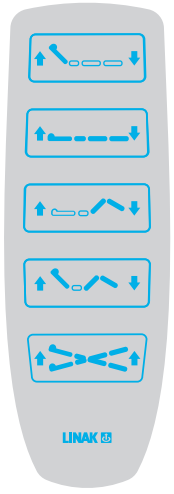
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prev. 00HB851A002



00HB851D-011



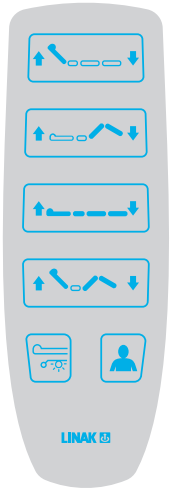
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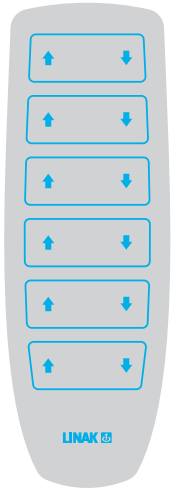
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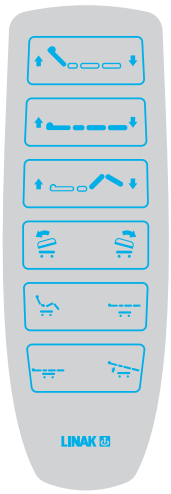


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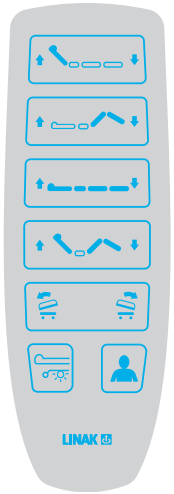
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HB8x Standard front covers, transparent

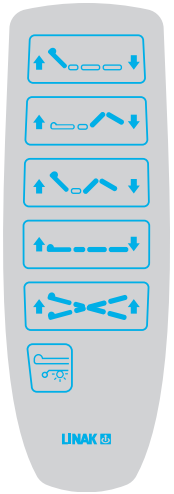
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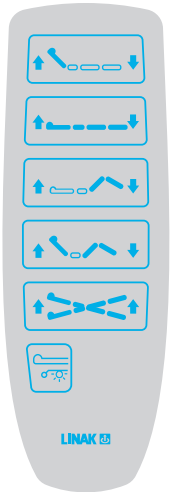
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00HB861B-005



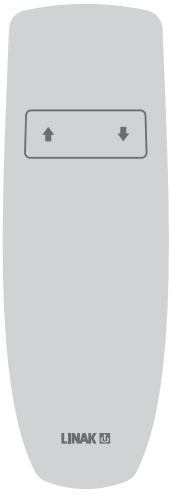
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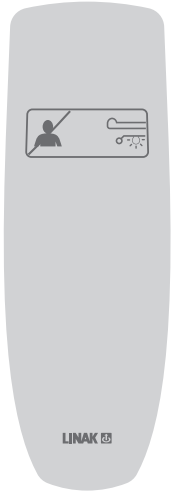
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HB8x Standard front covers, not transparent

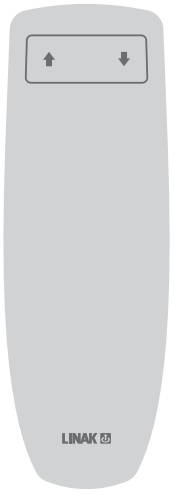
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00HB811A-001



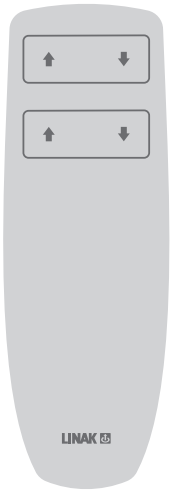
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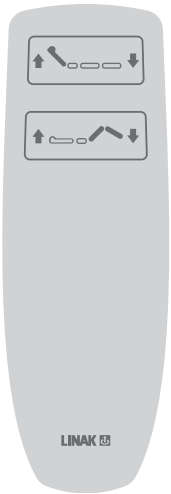
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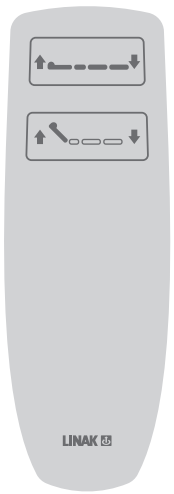
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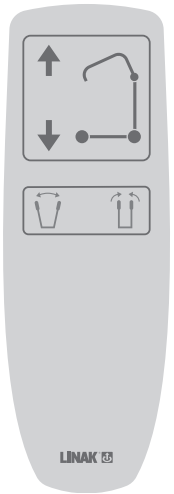
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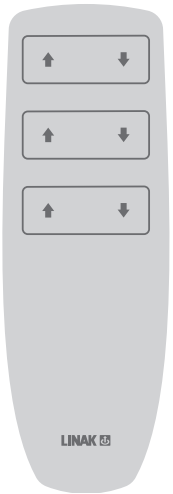
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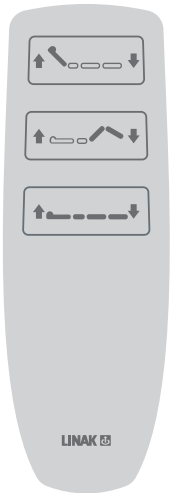
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00HB831A-001



00HB831A-002

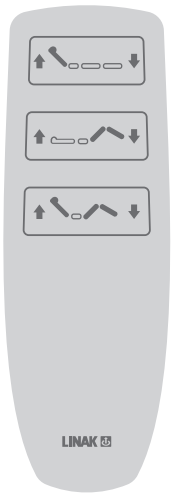


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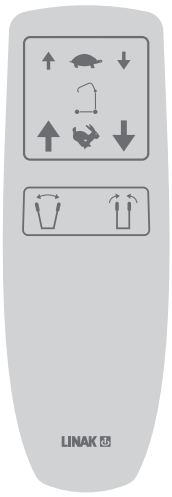
* If a non-transparent cover is wanted with a backlight, a special article must be created.

HB8x Standard front covers, not transparent

(not for use with background light)*



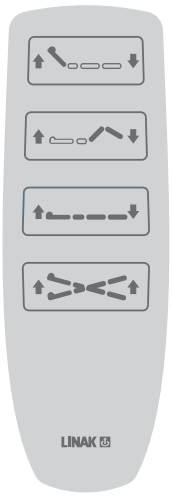
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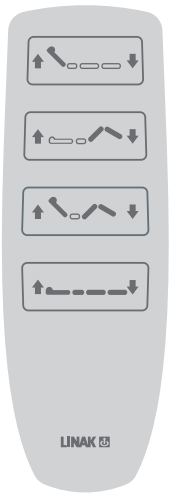
00HB831A-029
For OpenBus
V0 for COL50



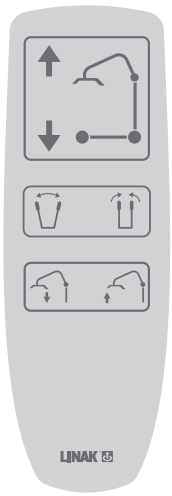
00HB841A-003



00HB841A-006



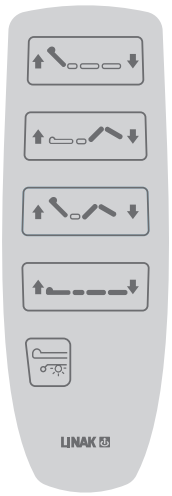
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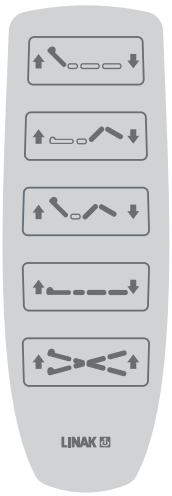
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00HB851A-005



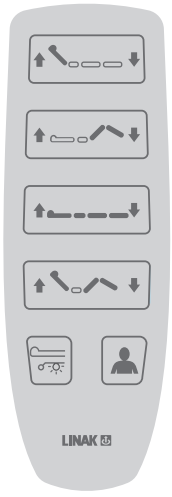
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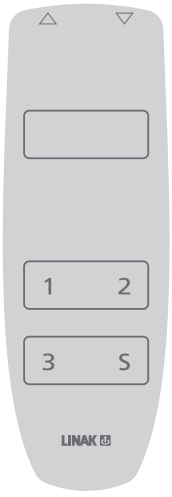
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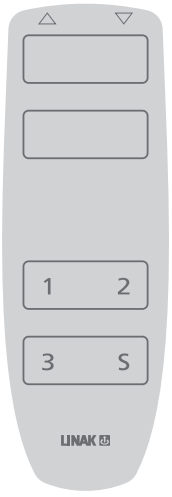
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00HB851A-037



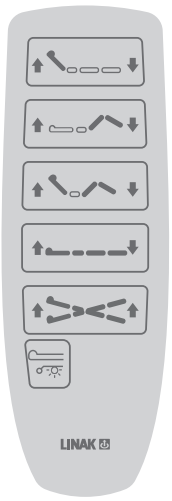
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00HB851A-057



00HB851A-072

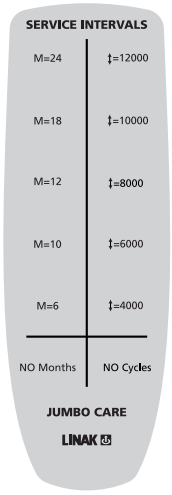


00HB861E-008

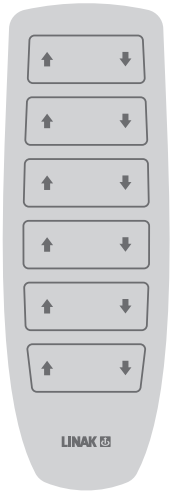
* If a non-transparent cover is wanted with a backlight, a special article must be created.

HB8x Standard front covers, not transparent

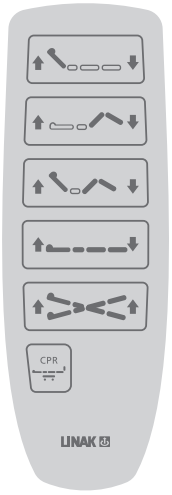
(not for use with background light)*



00HB861E-010
V2 hand control for CBJC (phase-out is ongoing for CBJC)



00HB861E-076



00HB861E-080

HB80 Standard front covers

Information

When ordering check that the hand control functionality corresponds to the symbols on the front cover.

For all types attention should be given to ensure that the channels shown correspond to the channels on the chosen control box.

For customised front covers please contact LINAK A/S.

Contacts

FACTORIES

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