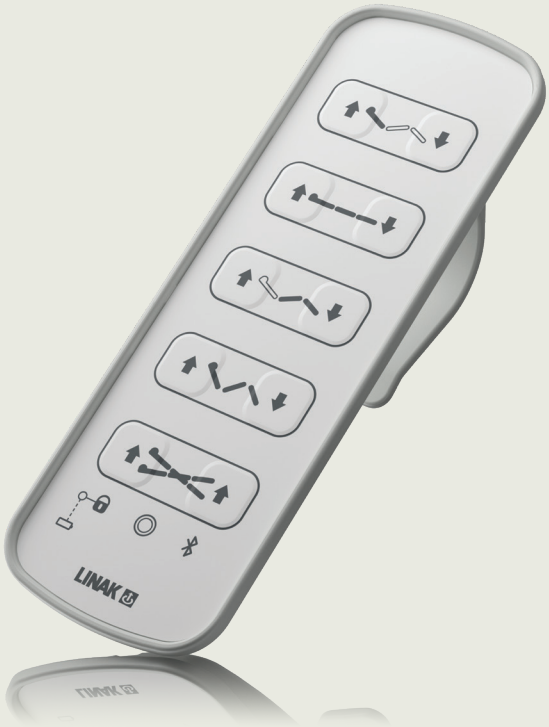
Hand Control HB200 Wireless

Data Sheet



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Introduction



The HB200 Wireless is a Bluetooth Low Energy (BLE) hand control for the medical and beds segments. It is available with up to 5 rows and locking of individual channels by using a magnet key. One LED will function as pairing and battery indicator.

Features and options

Housing colour	Light grey, RAL 7035
Protection class	IPX6
Number of buttons	Up to 10 buttons
Button type	Domes
Flammability rating	UL94 V-0
Weight	98 g
Front cover	Standard or customised
Attachment	Hook
LEDs	1
Battery life	Approx. 2 years at 140 sec/day

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
Approvals	- IEC 60601-1 - IEC 60601-1-6 - IEC 60601-1-2 - ANSI/AAMI ES60601-1 - CSA CAN/CSA-C22.2 NO. 60601-1 - RED 2014/53/EU - FCC Part 15.249 - IC RSS247 - Telec MIC

Ordering example

	HB	
Series	200	**200** = HB200
Rows	3	**1** = 1 Row **2** = 2 Rows **3** = 3 Rows **4** = 4 Rows **5** = 5 Rows
Functionality	V0	**V0** = Bluetooth funct. V **V3** = Bluetooth funct. V3 **V5** = Bluetooth funct. V5 **VX** = Special
Bluetooth generation	4	**0** = LINAK GEN1 **4** = LINAK GEN2
Hall	1	**1** = Hall
Not used	0	**0** = None
Not used	0	**0** = None
Not used	0	**0** = None
Not used	0	**0** = None
Front cover layout	3B	**xB** = Standard
Front cover number	001	**XXX** = Last 3 digits in front cover number
IP-Degree	6	**6** = IPX6
Colour	2	**2** = Grey (RAL7035)
Mounting	1	**1** = Hook
Connectivity	2	**2** = Bluetooth
Plug Type	0	**0** = None
Cable	N	**N** = No cable
Cable colour	0	**0** = No cable
Not used	0	**0** = None
Not used	0	**0** = None
Not used	0	**0** = None
Not used	0	**0** = None

Chosen item number: **HB2003V04100003B00162120N00000**

* For further BLE information, see sales backup ‘Chapter 11.02 Bluetooth Low Energy’

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: HB200

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

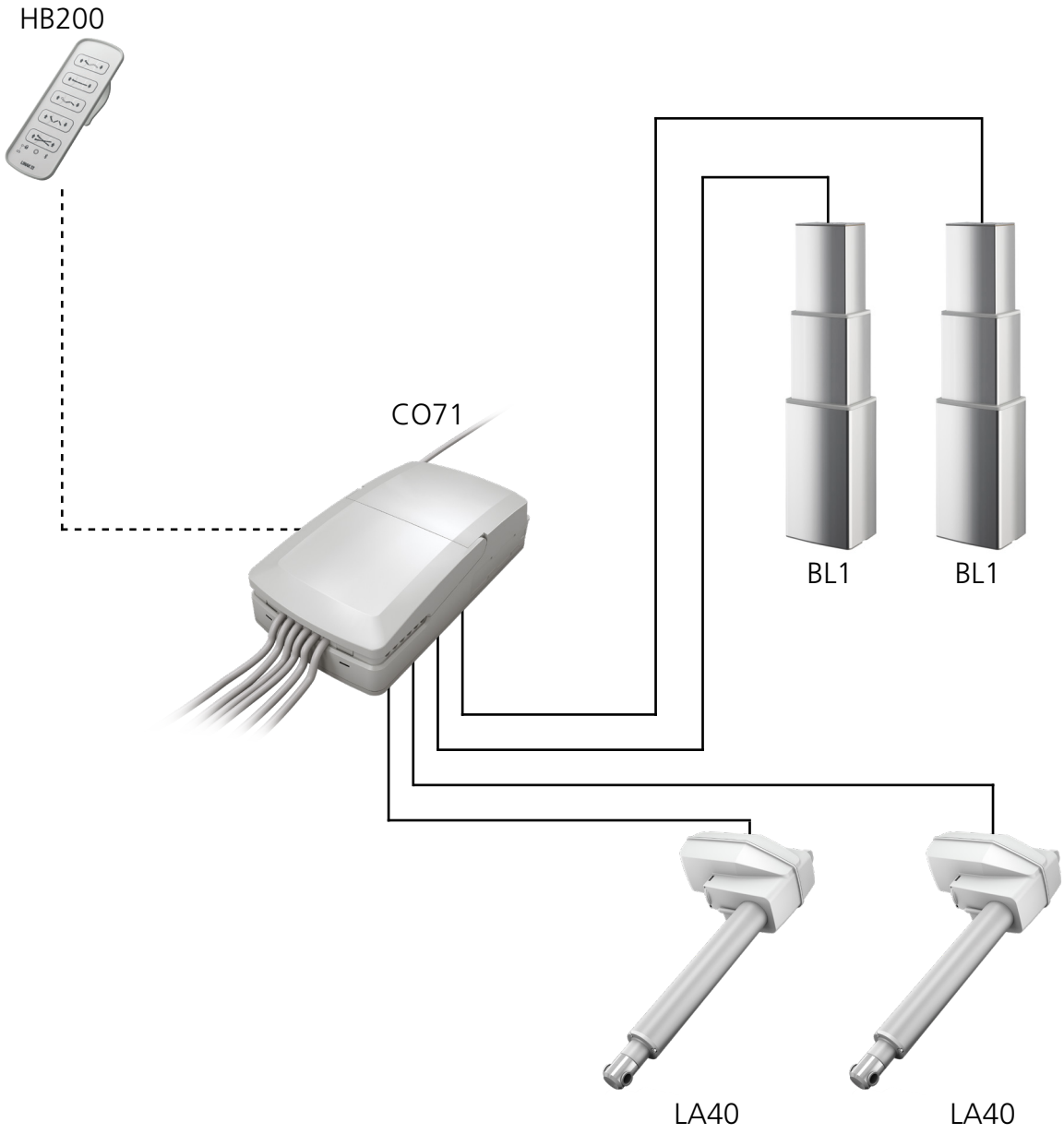
Listed LINAK item for application approval: HB200*****SSSS*****S******SSSS

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

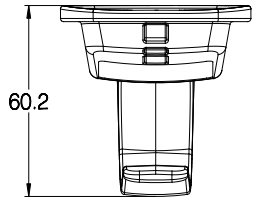
" S " is safety critical and represents a listed critical component in the product and cannot be left out.

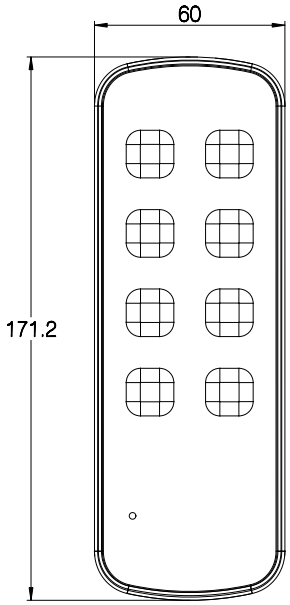
For more information, please refer to "Approvals and certifications" in LINAK Application Design Recommendations found under User Manual for any given product on LINAK.com

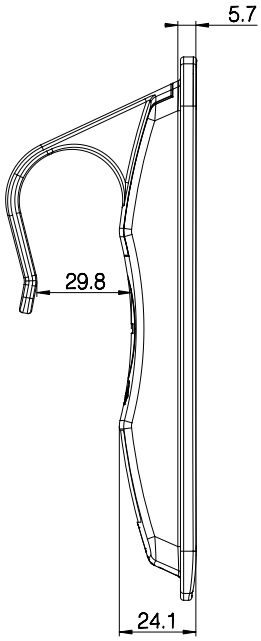
System overview

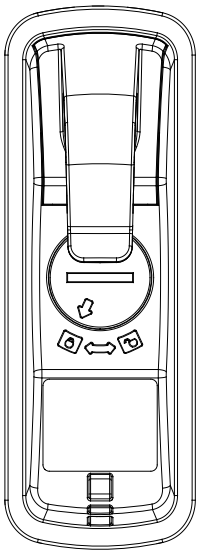


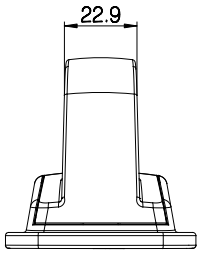
Dimension drawing

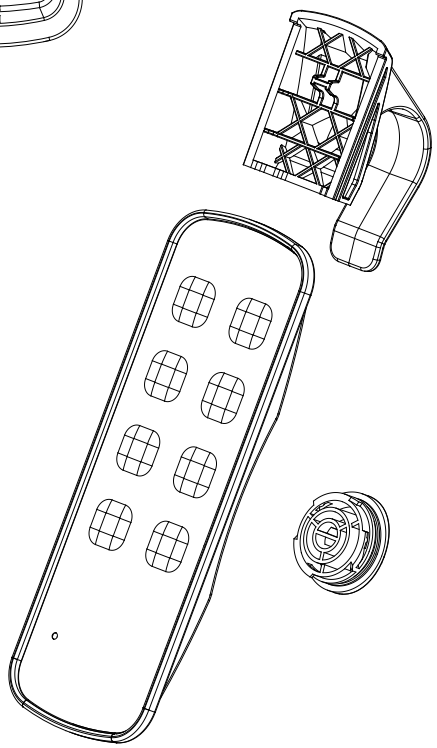












Drawing no.: 1031W4000

Functionality

Locking

Locking is possible with/without the magnet and pressing a key on the HB200. Please note that the way to lock must be defined in the control box software.

As an example to lock with magnet: hold the magnet key over the marking (◎) and press an odd key number (Typically the up arrow). To unlock a row use the magnet key and press an even number (Typically the down arrow).





Magnet key

Remember to order magnet key:

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



Battery

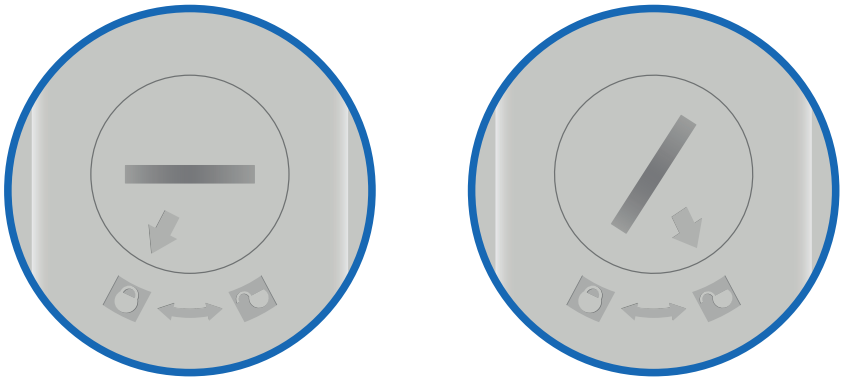
The battery in the HB200 is a standard CR2032 coin cell battery.

Battery lifetime

With a usage of 140 sec/day, the HB200 will last approximately two years.

Changing the battery

To change the HB200 battery, open the battery cover on the back using a coin or a similar tool to turn the arrow counterclockwise from the locked icon to the unlocked state.



Low battery indication

When the battery power level falls below 20%, the LED will flash 4 times when a key is pressed.

New battery indication

When the battery has been changed, the LED will be lit for 4 seconds after the first keypress.



Battery cover

It is possible to order extra battery covers.

Battery cover ordering no. SA1031W9012

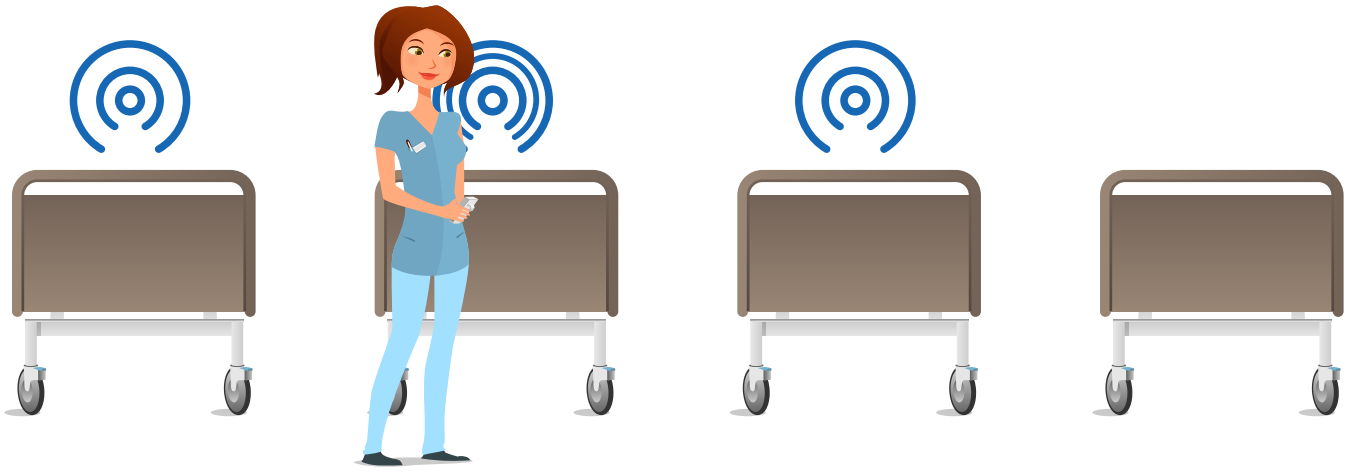


Pairing Bluetooth devices

Direct pairing

Direct pairing is used for pairing a LINAK control directly to a LINAK control box that supports BLE.

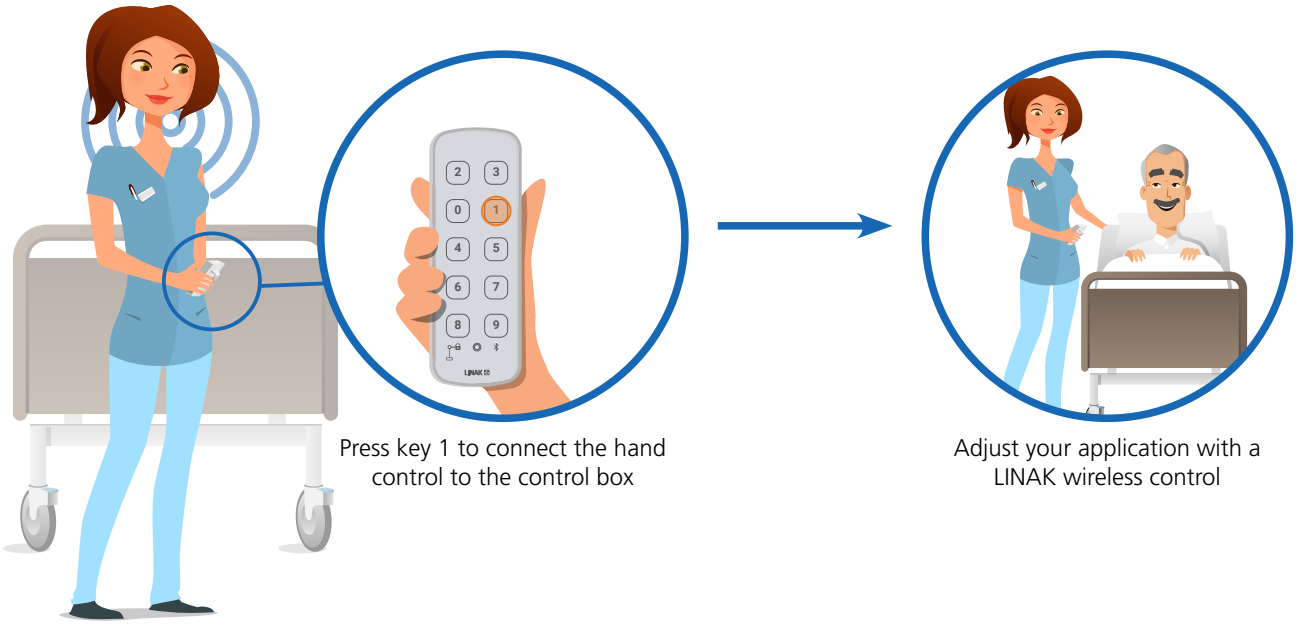
1. Enter pairing mode
2. Move the hand control closer to the control box you want to pair with
3. Pair the hand control with the control box



In pairing mode, the light/sound frequency will increase when the HB200 gets closer to a control box.

Connecting to the control box

When the hand control LED is blinking fast and the control box gives a high frequency sound in the same speed, the devices are ready for pairing. To finalise the pairing, press Key 1 on the hand control.



Press key 1 to connect the hand control to the control box

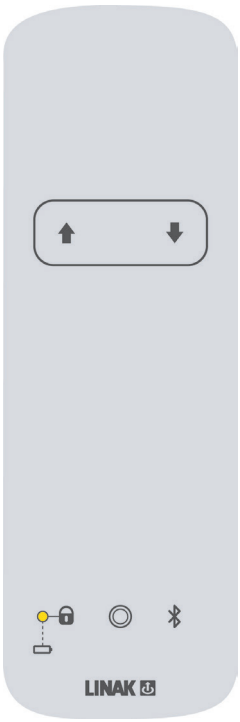
Adjust your application with a LINAK wireless control

Front covers

The HB200 is available in nine different standard front covers covering 1 to 5 row hand controls.

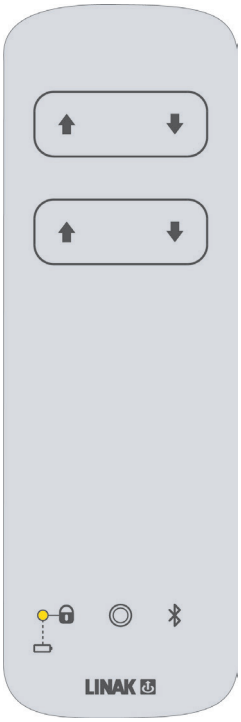
Please contact LINAK A/S for customised front covers.

1 row



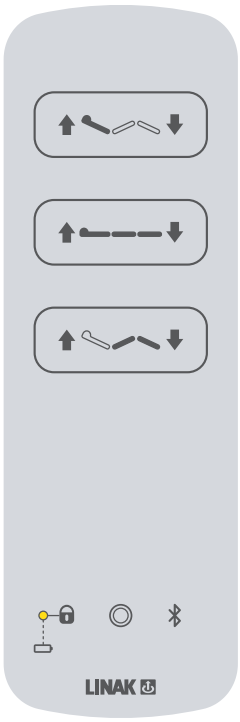
00HB2002A-002

2 rows

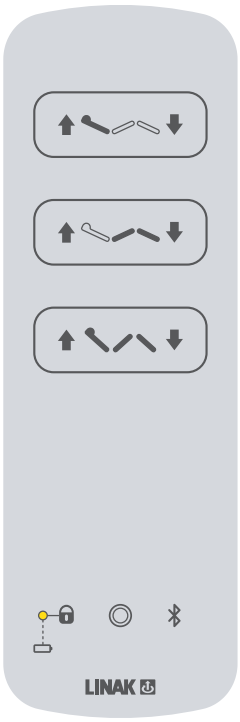


00HB2002B-002

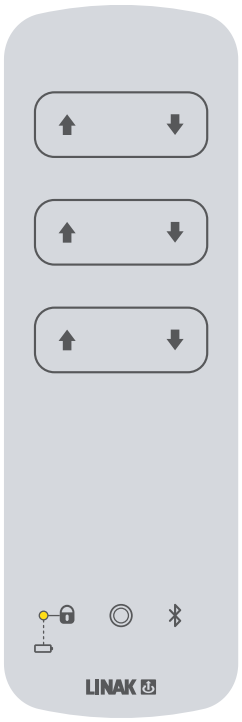
3 rows



00HB2003B-001

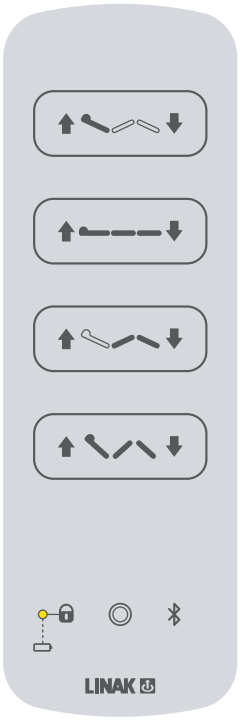


00HB2003B-002

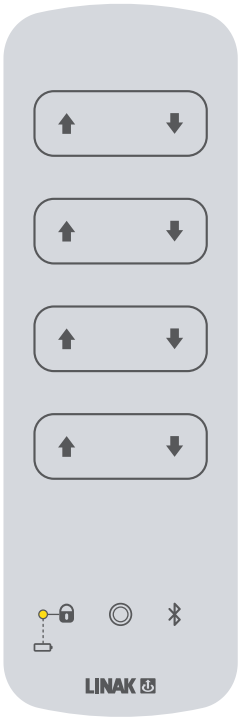


00HB2003A-003

4 rows

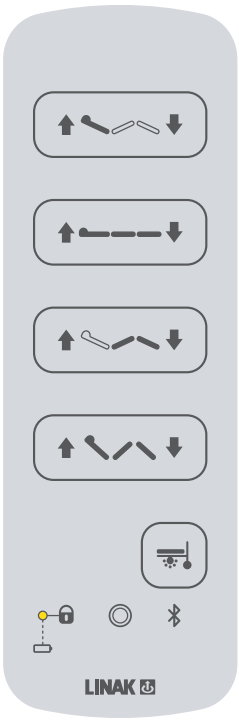


00HB2004B-001

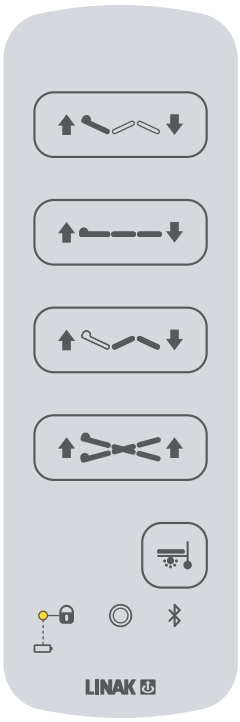


00HB2004B-002

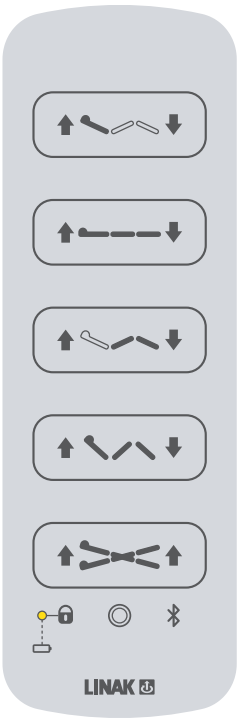
5 rows



00HB2005B-002



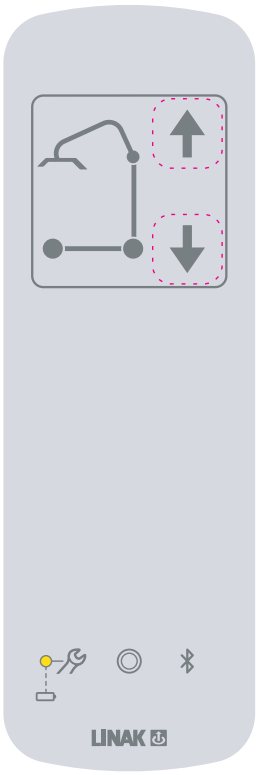
00HB2005B-003



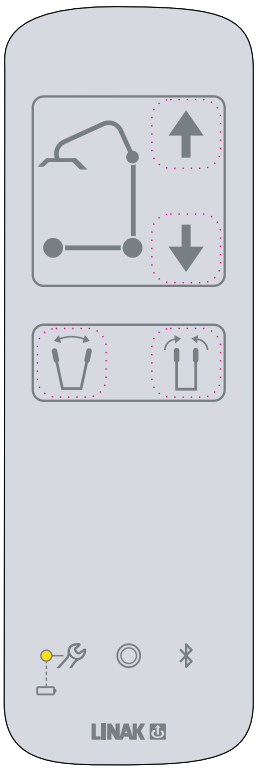
00HB2005B-001

Patient lift front cover options

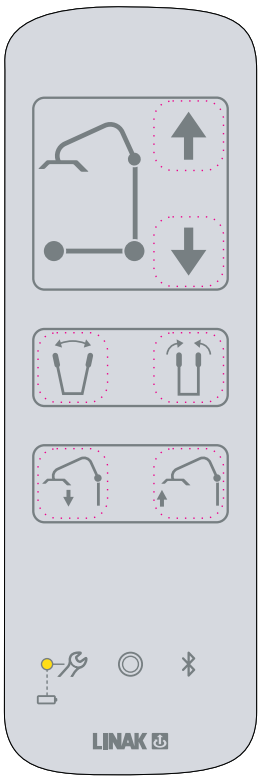
Item number: 00HB2002B-001



Item number: 00HB2003B-003



Item number: 00HB2004B-003



For instructions on how to create a special HB200 front cover, please contact your assigned Sales Engineer.

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