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Hand Control HB400

Data Sheet

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Introduction

The HB400 hand control is designed for a wide range of applications such as hospital beds, nursing home beds and other medical applications such as treatment chairs and couches.

It offers up to 6 rows of buttons and is equipped with a magnet sensor for locking of individual rows. One LED for each row ensures a clear overview of the rows that are locked.

The hand control is available with backlight which makes it possible for users to find the hand control and see the symbols during the day and at night.

HB400 can be used with some LINAK® analogue and all OpenBus™ control boxes. The

housing design is clear and intuitive so that it can easily be operated by both left- and right-handers. It comes with three different hook designs, making it suitable for most applications.

With HB400, the following features are guaranteed:

- Locking of individual rows
- Up to 6 rows of buttons with optional LED indication
- Up to 6 LEDs for indication
- LINAK analogue or OpenBus technology
- Intuitive operation
- Backlight for easy operation
- Magnet key for easy locking of functions

Features and options

Hand control for up to 6 rows

Number of buttons:	Up to 12
Button type:	Tactile switches
Compatibility:	Analogue and OpenBus™ control boxes
Indicators:	Up to 6 LEDs
Lock function:	Hall (magnet)
Backlight:	Yes (white)
Housing colour:	Light grey (RAL 7035)
Protection class:	IPX6, IPX6 Washable
Front cover:	Standard or customised
Cable:	Fixed 600 mm coiled PU cable (RAL 7035) with modular plug
Attachment:	3 different hooks

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	**B**	**B** = HB400				
Series	**400**	**400** = HB400				
Rows	**6**	**2** = 2 Rows	**3** = 3 Rows	**4** = 4 Rows	**5** = 5 Rows	**6** = 6 Rows
Functionality	**VX**	**Vx** = Openbus™ **0x** = Analogue				
Hall	**1**	**1** = Hall	**0** = No Hall			
Front cover	**0**	**0** = Standard	**X** = Special			
Front cover number	**001**	**0** = Last 3 digits in front cover number				
Backlight	**1**	**0** = None	**1** = Backlight			
Lock Indicator	**1**	**0** = None	**1** = Lock indicators			
IP-Degree	**6**	**6** = IPX6	**W** = Washable DURA™			
	-					
Colour	**1**	**1** = Grey RAL7035				
Mounting	**0**	**0** = Hook type 0	**1** = Magnet	**2** = Hook type 2		
Not used	**0**	**0** = None				
Not used	**0**	**0** = None				
Not used	**0**	**0** = None				
Not used	**0**	**0** = None				
Not used	**0**	**0** = None				
Not used	**0**	**0** = None				
Cable Colour	**1**	**1** = Grey RAL7035				
Plug Type	**D**	**D** = Modular Jack				
Cable Material	**1**	**1** = PU				
Cable	**C**	**C** = Coiled				
Not used	**0**	**0** = None				

Chosen item number: **HB4006VX10001116-100000001D1C0**

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: HB400

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: HB400**********S-**SSSSSS**S*S

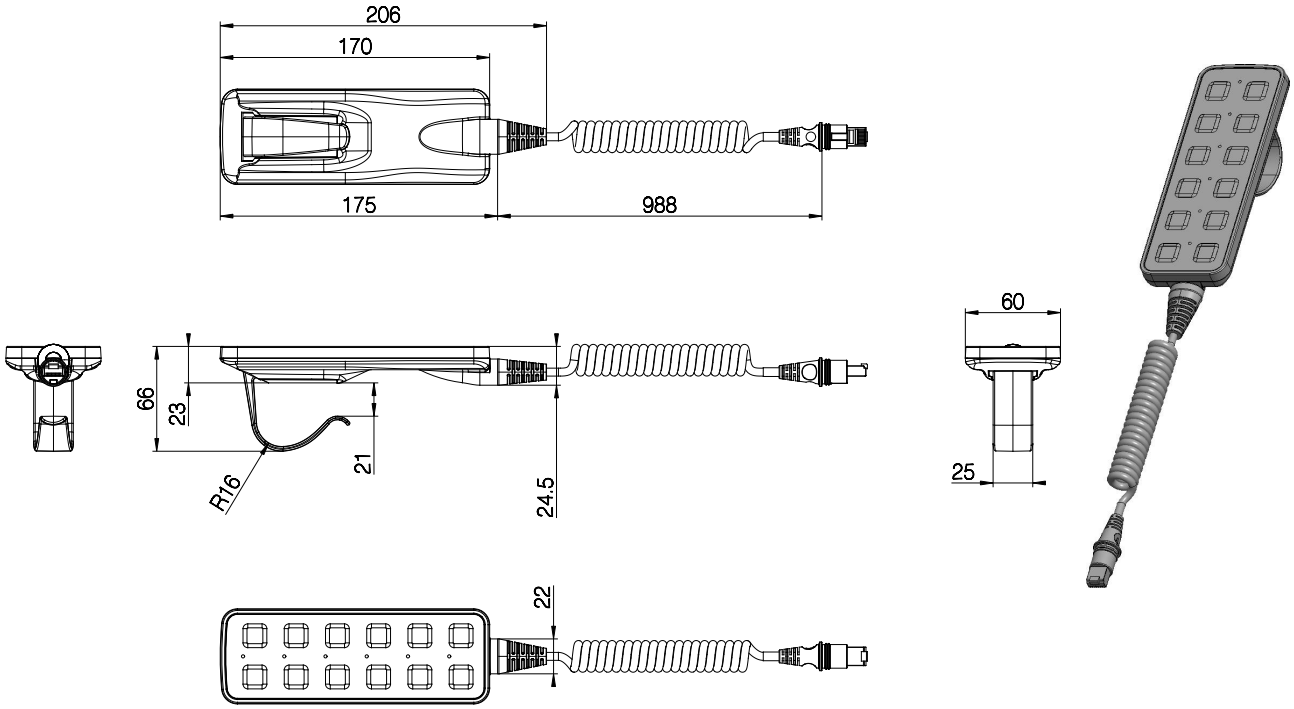
" * " is not safety critical and we recommend including a non-specific signifier such as an asterisk.

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

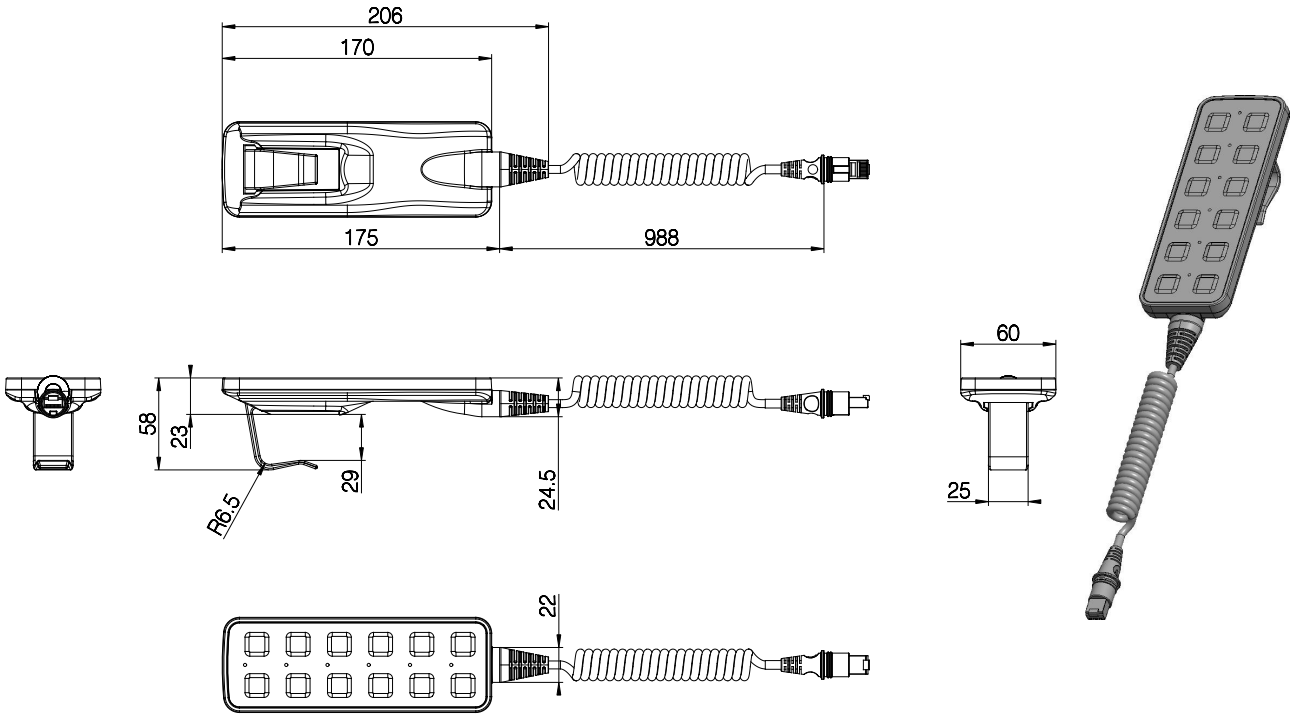
For more information, please refer to "Approvals and certifications" in LINAK Application Design Recommendations found under User Manual for any given product on LINAK.com

Dimension drawing

HB400 with hook type 0

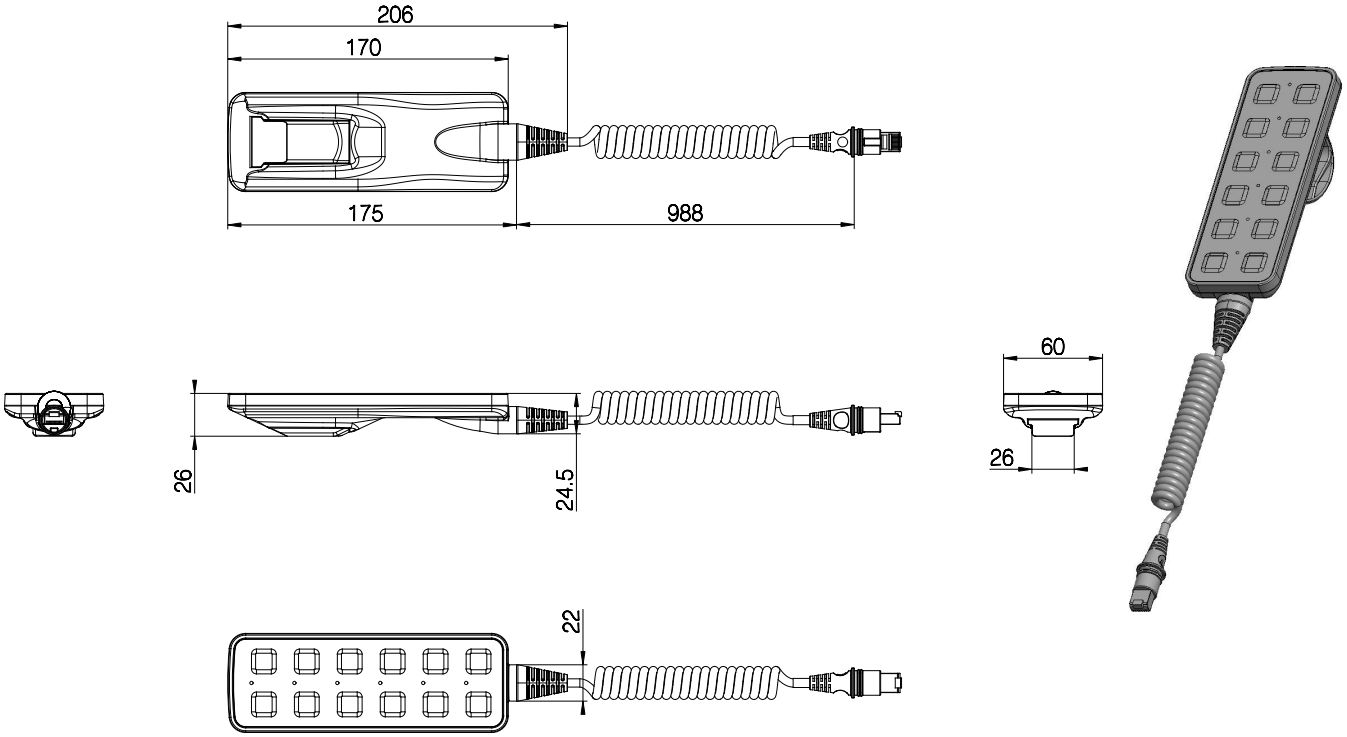


HB400 with hook type 2



Drawing no.: 1050W4000

HB400 with magnet blind



Drawing no.: 1050W4000

Magnet key - article no. 0858008

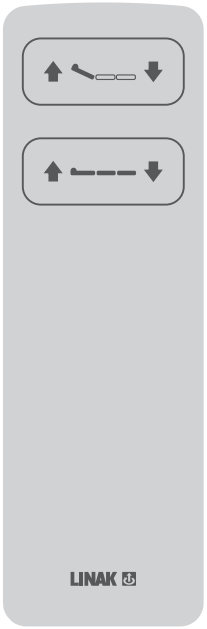
Front covers

The standard front covers below have been designed for HB400. Some of them are with transparent areas. These are intended for hand controls with backlight.

HB400 standard front covers

(not transparent, not for use with backlight)

Not washable



00HB4002A6001

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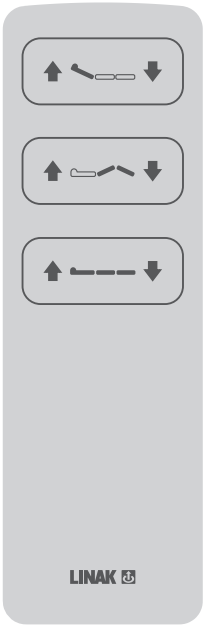

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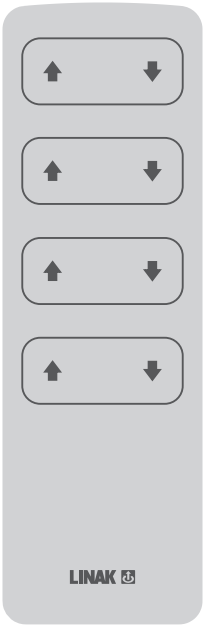

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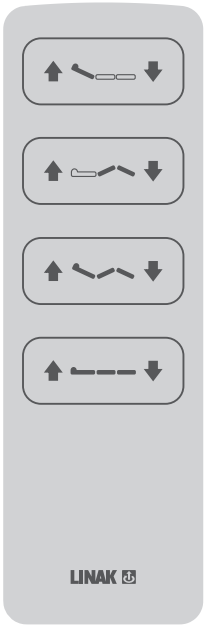

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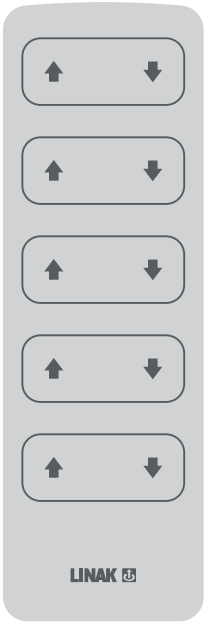
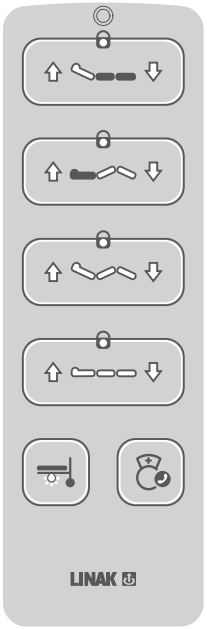


00HB4005A6001

HB400 standard front covers

(transparent, intended for use with backlight)

Not washable



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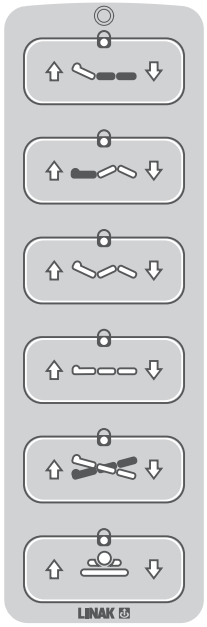

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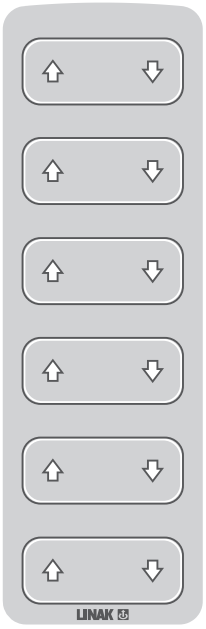

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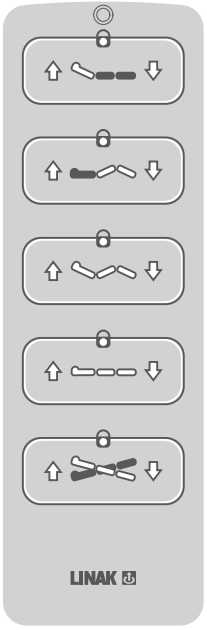
Washable



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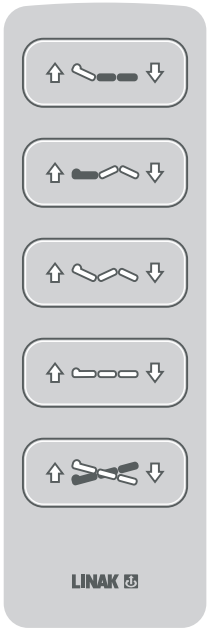

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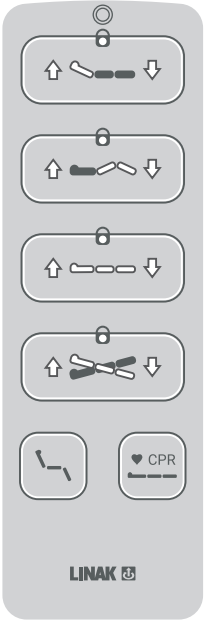

00HB4005BW003

Information

If a customer needs a template in order to make his own design, these are available on the front cover site on LINTRA, under General links, Templates.

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.

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

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