Hand Control HL400

Data Sheet



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Introduction



HL400 is designed for various healthcare applications, such as home care and nursing home beds and other medical applications, for instance chairs and lifts. It offers up to 5 rows of buttons and mechanical locking that makes it possible to do a selective locking of the different functions by use of a key.

HL400 can be used with some LINAK® analogue and all OpenBus™ control boxes. The hand control is easy to clean and offers a clear and intuitive design so that it can easily be operated by both left- and right-handers. It comes with two different hook designs and a magnet attachment, making it suitable for most applications.

HL400 is an alternative to the more advanced LINAK hand controls, such as HB400, as well as an improved ergonomic design alternative to similar LINAK hand controls with mechanical locking.

HL400 promises the following features:

- Locking of different functions with LINAK key
- Up to 5 rows of buttons
- Activation of up to 5 actuators
- LINAK analogue or OpenBus technology
- Intuitive design and operation
- Ergonomic and easy-to-clean design

Features and options

Hand control for up to 5 rows

Number of buttons:	Up to 10 easy-touch buttons
Button type:	Tactile switches
Compatibility:	Analogue and OpenBus™ control boxes
Indicators:	Lock indication (green indication = unlocked/yellow indication = locked)
Lock function:	Integrated mechanical locking function
Housing colour:	Light grey (RAL 7035)
Protection class:	IPX4, IPX6
Front cover:	Standard or customised
Cable:	Fixed 600 mm coiled PU cable (RAL 7035) with modular plug
Attachment:	2 hook types and magnet attachment

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	L	**L** = HL400
Series	400	**400** = HL400
Rows	5	**2** = 2 Rows **3** = 3 Rows **4** = 4 Rows **5** = 5 Rows
Functionality	V1	**V0** = OpenBus™ **V1** = OpenBus **V2** = OpenBus **VX** = OpenBus special **00** = Analogue **03** = Analogue **05** = Analogue **0D** = Analogue **0X** = Analogue special
Not used	0	**0** = None
Front cover	0	**0** = Standard **X** = Special
Front cover number	001	**0** = Last 3 digits in front cover number
Not used	0	**0** = None
Not used	0	**0** = None
IP-Degree	4	**4** = IPX4 **6** = IPX6
	-	
Colour	1	**1** = Grey RAL7035 **X** = Special
Mounting	0	**0** = Hook type 0 **1** = Magnet **2** = Hook type 2 **X** = Special
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 **X** = Special
Plug Type	D	**D** = Modular Jack
Cable Material	1	**1** = PU **X** = Special
Cable	C	**C** = Coiled
Not used	0	**0** = None

Chosen item number: **HL4005V100001004-100000001D1C0**

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: HL400

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: HL400**********-**SSSSSS**S*S

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

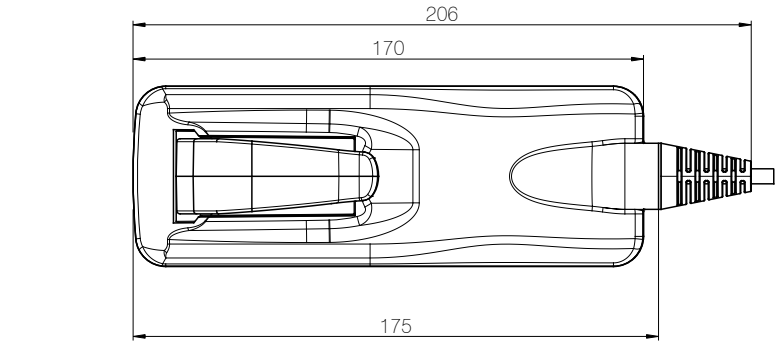
" S " is safety critical and represents a listed critical component in the product and cannot be left out.

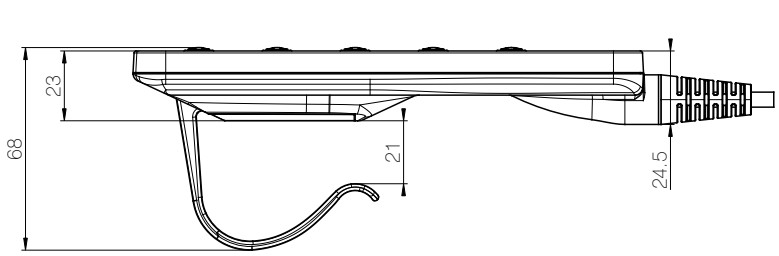
For more information, please refer to "Approvals and certifications" in LINAK Application Design Recommendations found under User Manual for any given product on LINAK.com.

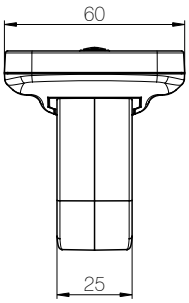
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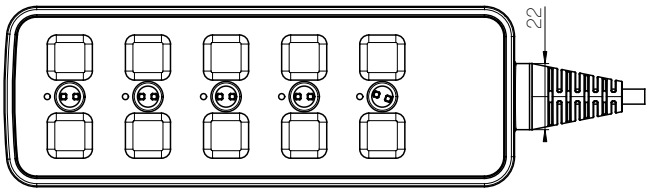
All dimensions are in mm.

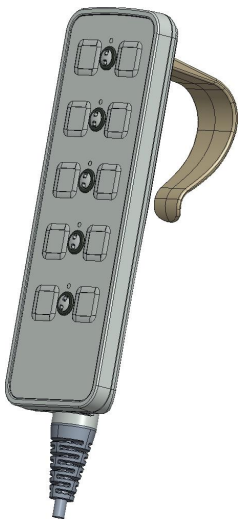
With hook type 0





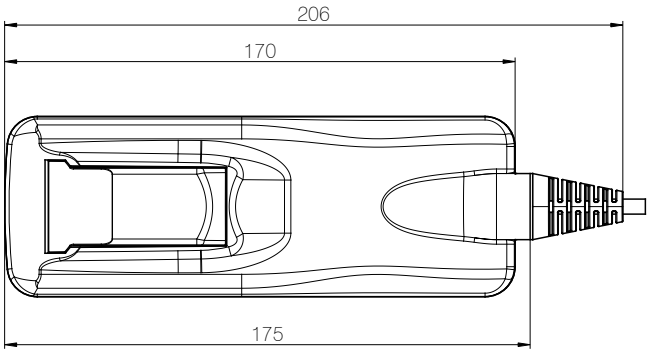


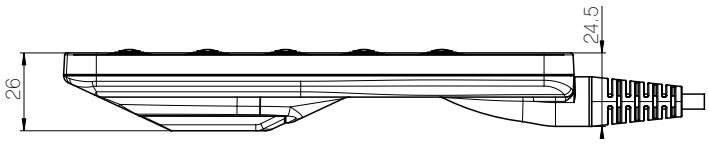


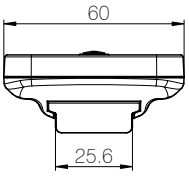


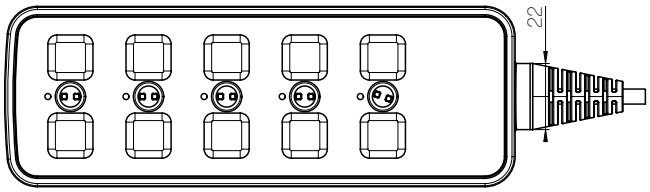
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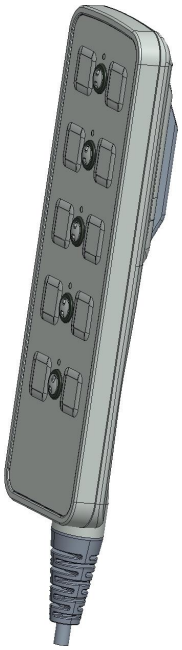
With magnet





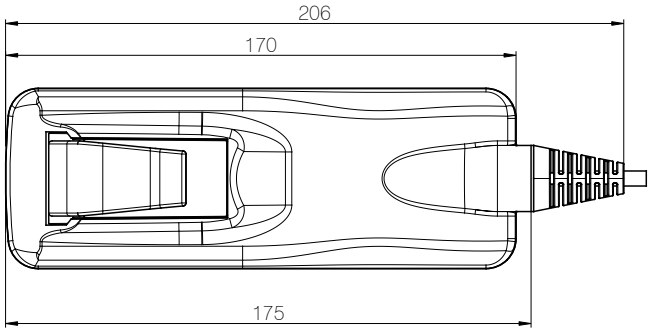


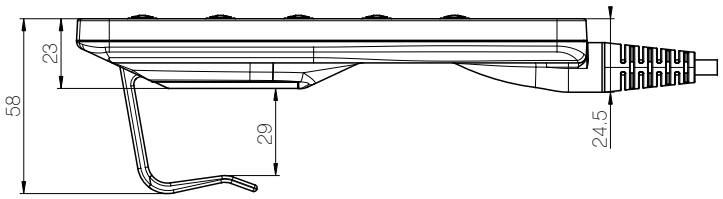


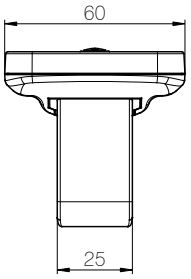


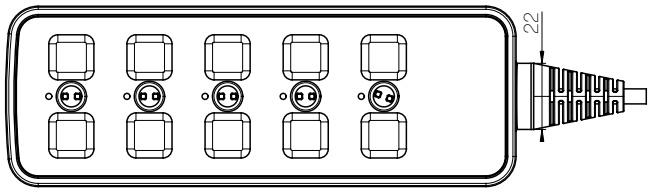
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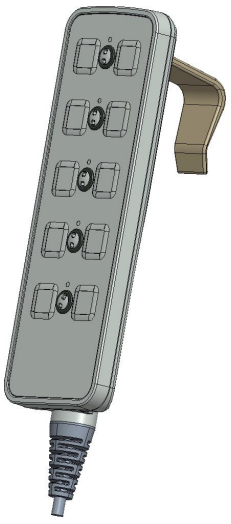
With hook type 2











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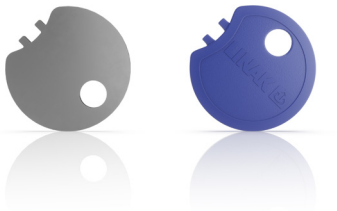
LINAK keys

LINAK hand control keys are intended for nursing staff use only.

There are two different types of keys available for locking and unlocking the hand control:

Article no. 00914516	plastic, Pantone 660 (blue)
Article no. 00914721	metal

The keys must be ordered separately.

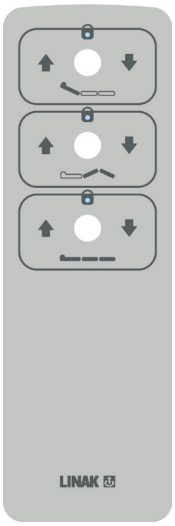


Front covers

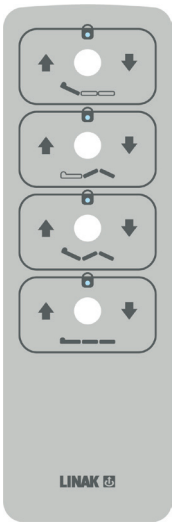
The standard front covers below can be used for HL400. Some of them are with transparent areas (light blue dot) in the lock symbol. These will be either green (unlocked) or yellow (locked) depending on the lock status. These are intended for hand controls with integrated mechanical locking.



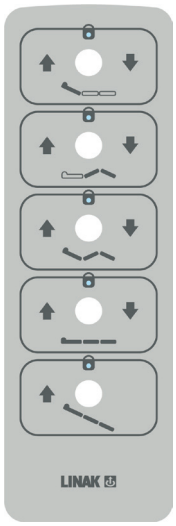
00HL4002A6000



00HL4003A6000



00HL4004A6000



00HL4005A6000

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