

# HB80 HANDSET

## Features:

- Handset for up to 5 actuators
- Coiled or straight cable
- Colour: Dark grey (RAL 7016), grey (RAL 7035) or black (RAL 9005) (only plastic housing, check available cables and front covers)
- Protection class: IP54
- Up to 12 easy-touch buttons for OPENBUS™ and Matrix (CB20 and CB14)

## Options:

- Customised front cover
- Memory options
- Simultaneous drive of actuators
- Background lighting blue or green (for use with the Openbus™ system)
- IP66 Washable

## Usage:

- Approved according to: EN 60601-1 as part of a LINAK actuator system



MEDLINE<sup>®</sup>  
IMPROVING EFFICIENCY  
CARELINE<sup>®</sup>  
IMPROVING EFFICIENCY

The HB80 is a new handset with an optimised ergonomic design and switch activation.

The HB80 handset is designed in 2 versions.

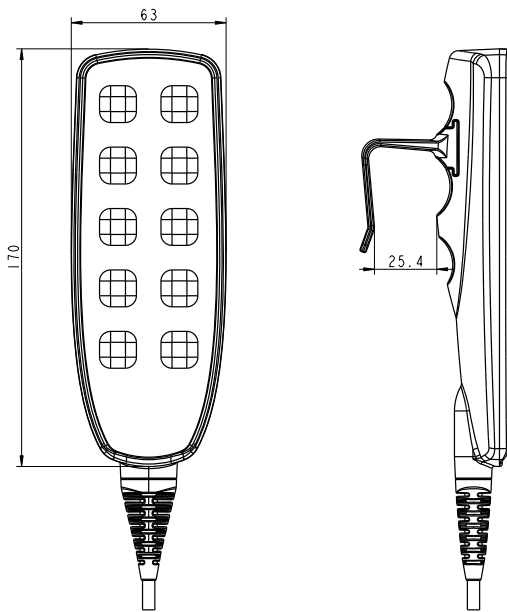
One has up to 10 big activation buttons. This can be used for almost all kinds of MEDLINE and CARELINE applications.

For advanced MEDLINE applications such as special hospital beds a 6 row version is available with 12 activation buttons.

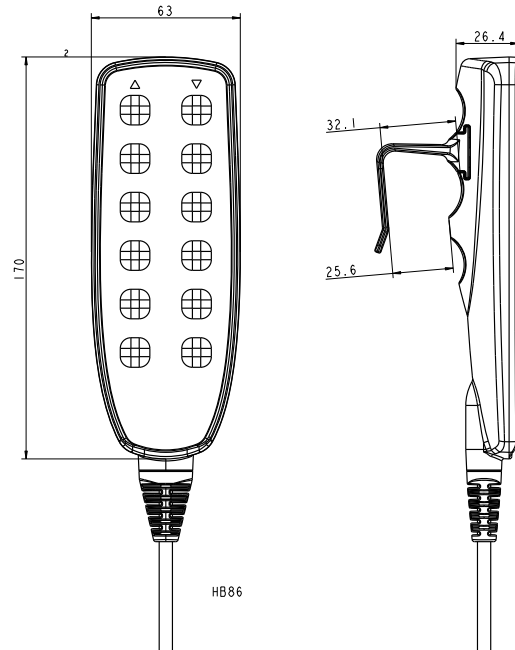
The HB80 has an option of blue or green background lighting for use with the LINAK CB20 control box (Openbus applications).

The HB80 is available in several different standard versions with a variation of bed symbols for easy interaction with end-users.

**Dimensions (mm):  
HB81 - HB85**



**Dimensions (mm):  
HB86**



**Precautions:**

- The HB86 version has a shorter distance between the buttons and cannot be approved according to EN 1970.

**HB80**

**Ordering example:**

HB8 1 5 6 00 0 01 + 01

<p><b>Cable ID</b></p> <p><b>Box colour</b></p> <p><b>Front cover</b></p> <p><b>Background light</b></p> <p><b>Functionality</b></p> <p><b>Housing</b></p> <p><b>IP rating</b></p> <p><b>Number of rows (exclusive rows for memory)</b></p> <p><b>HB-type</b></p>	<table border="0"> <tr> <td><b>Cable length</b></td> <td><b>ID</b></td> <td><b>Total</b></td> <td><b>Coiled</b></td> <td><b>Color</b></td> <td><b>Plug</b></td> </tr> <tr> <td></td> <td>01</td> <td>850 mm</td> <td>600 mm</td> <td>Grey</td> <td>DIN 8P</td> </tr> <tr> <td></td> <td>03</td> <td>850 mm</td> <td>600 mm</td> <td>Black</td> <td>DIN 8P</td> </tr> <tr> <td></td> <td>11</td> <td>750 mm</td> <td>500 mm</td> <td>Grey</td> <td>DIN 8P (7 wires max. HB83)</td> </tr> <tr> <td></td> <td>13</td> <td>750 mm</td> <td>500 mm</td> <td>Black</td> <td>DIN 8P (7 wires max. HB83)</td> </tr> <tr> <td></td> <td>21</td> <td>2400 mm</td> <td>0 mm</td> <td>Grey</td> <td>DIN 8P (7 wires max. HB83)</td> </tr> <tr> <td></td> <td>23</td> <td>2400 mm</td> <td>0 mm</td> <td>Black</td> <td>DIN 8P (7 wires max. HB83)</td> </tr> <tr> <td></td> <td>31</td> <td>2400 mm</td> <td>0 mm</td> <td>Grey</td> <td>DIN 8P</td> </tr> <tr> <td></td> <td>33</td> <td>2400 mm</td> <td>0 mm</td> <td>Black</td> <td>DIN 8P</td> </tr> <tr> <td></td> <td>45</td> <td>850 mm</td> <td>600 mm</td> <td>Dark Grey</td> <td>MJ RJ45 10P (not for OPENBUS)</td> </tr> <tr> <td></td> <td>61</td> <td>850 mm</td> <td>600 mm</td> <td>Grey</td> <td>MJ RJ45 10P (6 wires)</td> </tr> <tr> <td></td> <td>63</td> <td>850 mm</td> <td>600 mm</td> <td>Black</td> <td>MJ RJ45 10P (6 wires)</td> </tr> </table> <p><b>+ = Grey - RAL7035 (not for CB6)</b>  <b>- = Black (not for CB6)</b>  <b>= = Dark grey - RAL7016 (Only for CB6)</b></p> <p><b>See later pages</b></p> <p><b>0 = no</b>  <b>1 = green (ONLY Openbus™)</b>  <b>2 = blue (ONLY Openbus™)</b></p> <p><b>0x (HB40 like) for: CB6, (CB6 with 3 ch. = ch.1, 3 and 4) CB7, CB8, CB18 (max. 3 channels) TDC, CBJH, sometimes CB9..AX and CB12 - see also Hx</b>  <b>Ex (Matrix) for: CB9..Px (not CB9..PM/..PN) and CB14</b>  <b>EF (Matrix) for: CB140</b>  <b>Hx (HB40 like, common gnd) for: CB9..Ax and CB12 with simultaneous drive</b>  <b>EW (Memory / Matrix) for: CB9..Px (not CB9..PM/..PN) and CB14</b>  <b>Vx (OPENBUS™ functionality)</b></p> <p><b>5 5 ROW based - big bottoms only 1 - 5 ROWs</b>  <b>6 6 ROW based - small bottoms</b></p> <p><b>4 IP54</b>  <b>9 IP66 washable</b></p> <p><b>1 - 5 rows - Big bottoms</b>  <b>6 rows - Small bottoms</b></p>	<b>Cable length</b>	<b>ID</b>	<b>Total</b>	<b>Coiled</b>	<b>Color</b>	<b>Plug</b>		01	850 mm	600 mm	Grey	DIN 8P		03	850 mm	600 mm	Black	DIN 8P		11	750 mm	500 mm	Grey	DIN 8P (7 wires max. HB83)		13	750 mm	500 mm	Black	DIN 8P (7 wires max. HB83)		21	2400 mm	0 mm	Grey	DIN 8P (7 wires max. HB83)		23	2400 mm	0 mm	Black	DIN 8P (7 wires max. HB83)		31	2400 mm	0 mm	Grey	DIN 8P		33	2400 mm	0 mm	Black	DIN 8P		45	850 mm	600 mm	Dark Grey	MJ RJ45 10P (not for OPENBUS)		61	850 mm	600 mm	Grey	MJ RJ45 10P (6 wires)		63	850 mm	600 mm	Black	MJ RJ45 10P (6 wires)
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## Precautions



Cables:  
ID4x used for CB6  
ID6x used for OPENBUS™ and CBJH

## Functionality overview for HB8x :

0x (HB40 like) for: CB6 (CB6 with 3 ch. = ch.1,3 and 4), CB7, CB8, CB18 (max. 3 channels), TDC, CBJH, sometimes CB9..AX and CB12 - see also Hx  
Ex (Matrix) for: CB9..Px (not CB9..PM/..PN) and CB14  
EF (Matrix) for: CB140  
Hx (HB40 like, common gnd) for: CB9..Ax and CB12 with simultaneous drive  
EW (Memory / Matrix) for: CB9..Px (not CB9..PM/..PN) and CB14  
Vx (OPENBUS™ functionality)

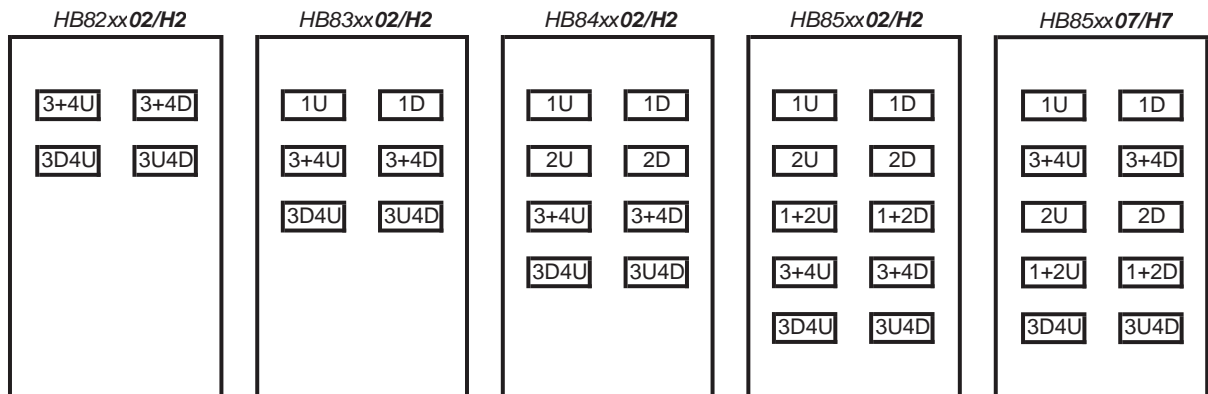
## Functionality explanation:

The digits above along with the functionality drawings are to be used as part of the product item number.

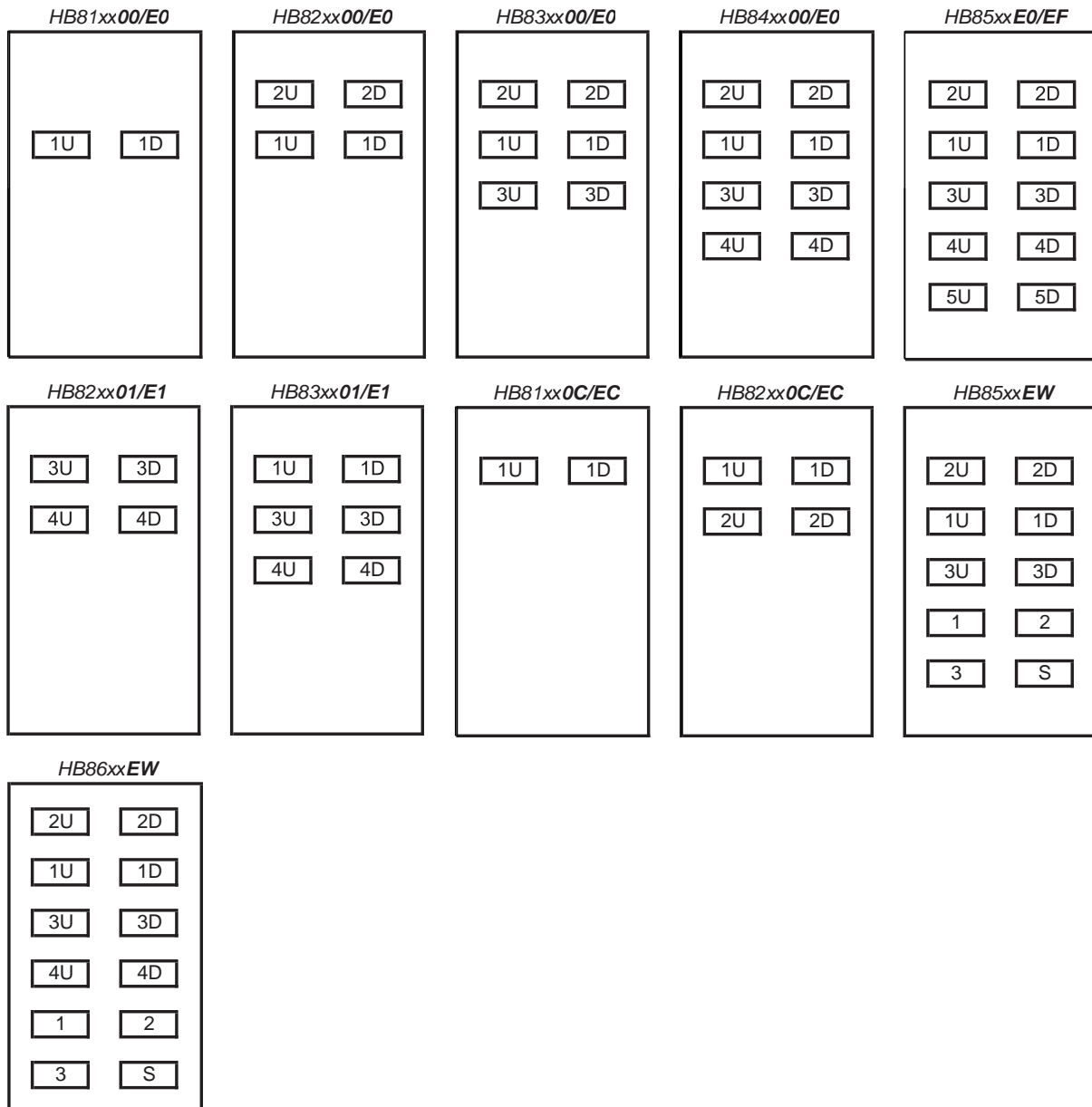
- In the ordering example, there is a space reserved for 2 "functionality" digits.
- I.e. if you need an HB82 you can e.g. choose between "00" and "E0" functionalities.
- "00" functionality is compatible with CB6, CB7, CB8,..... ;
- "Hx" functionality is compatible with CB9..AX and CB12 with sim. drive.

## Functionalities:

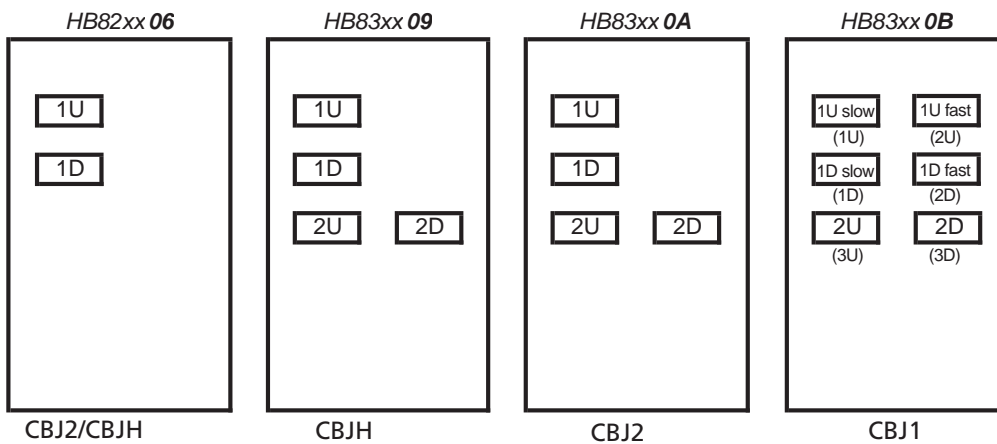
### Simultaneous/Trend



## Functionalities:

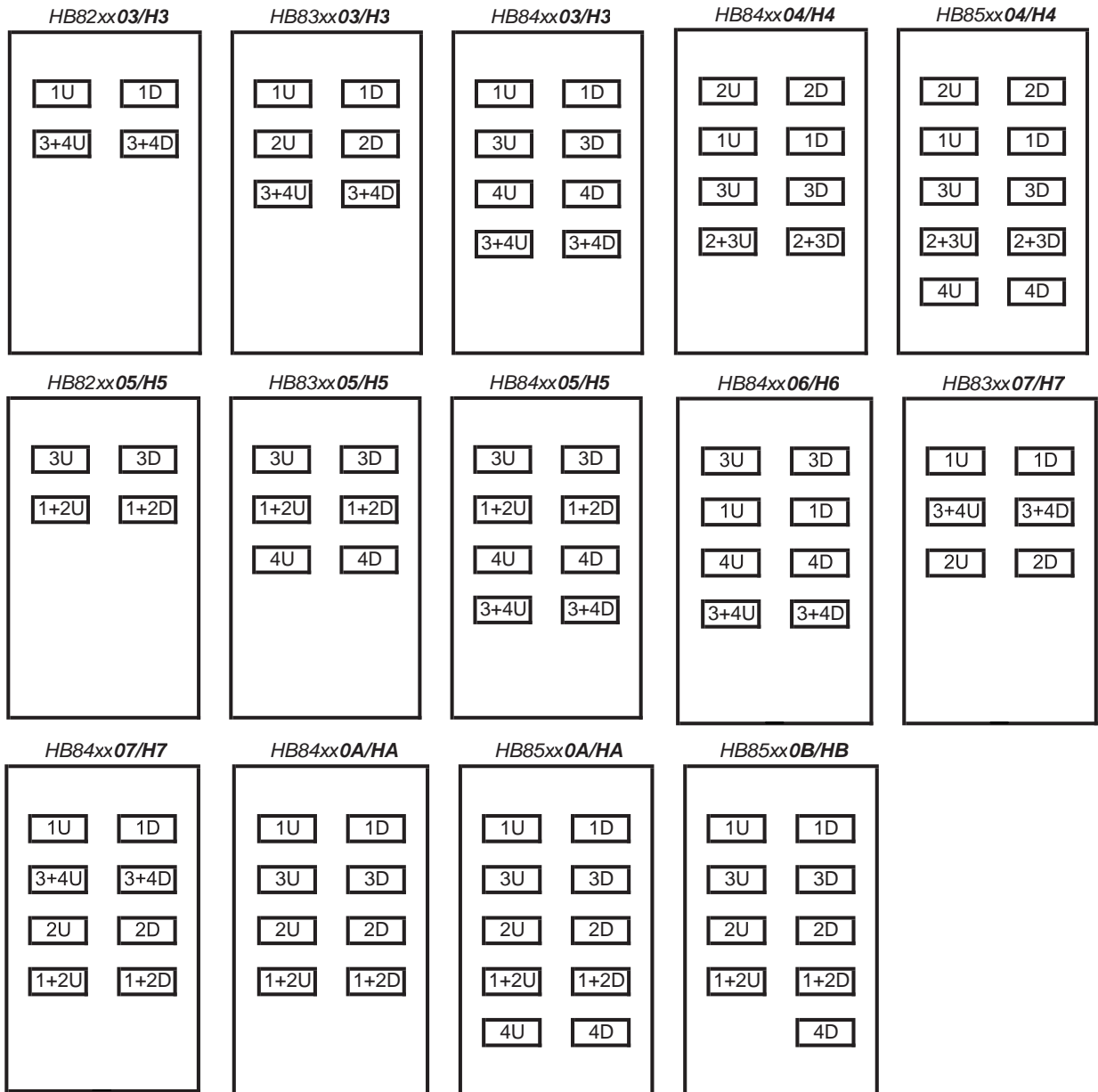


## Jumbo functionalities

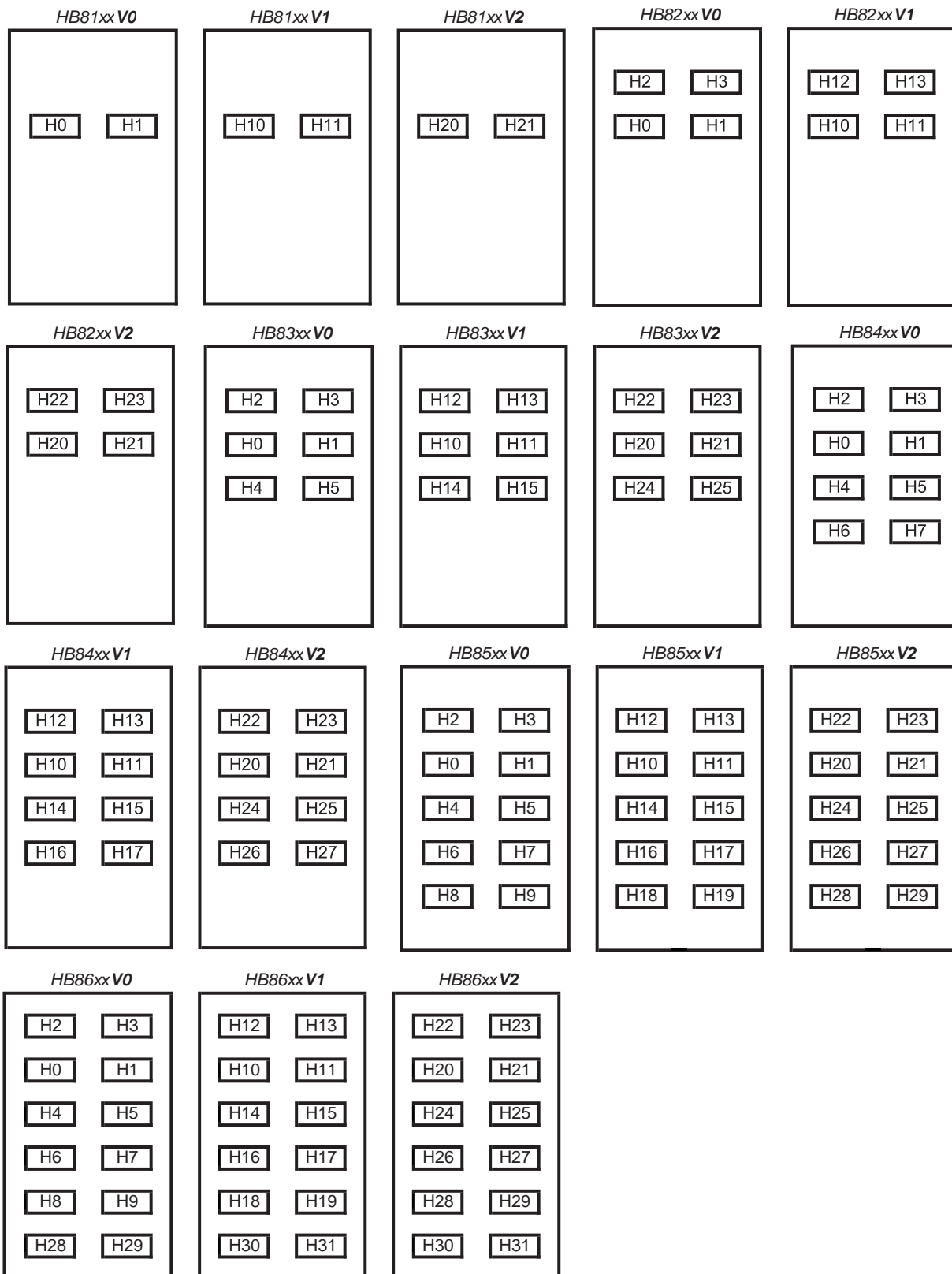


**Functionalities:**

Simultaneous

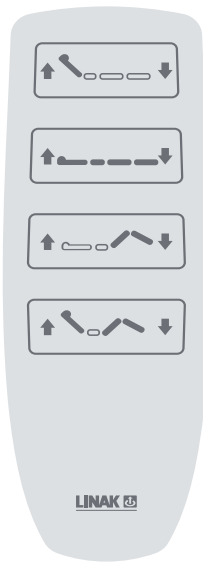


**Functionalities:**



For more functionalities contact LINAK.

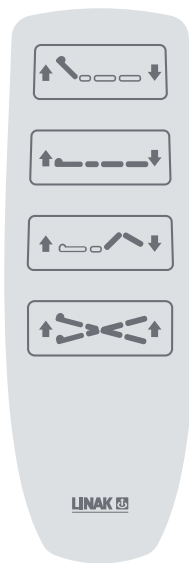
Various HB standard front covers



00HB841A-001



00HB851A-002



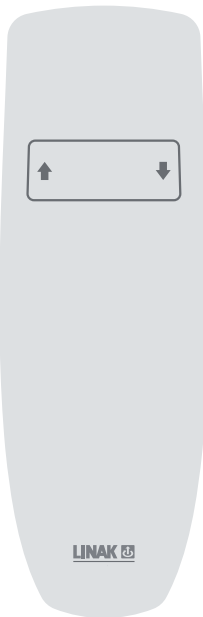
00HB841A-002



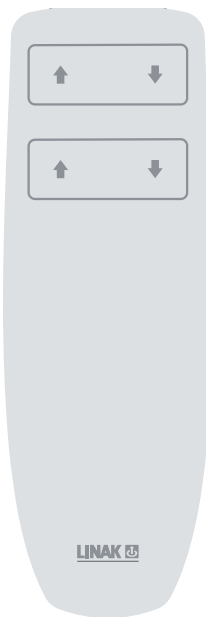
00HB861B-001



00HB861B-002



00HB811A-001



00HB821A-002



00HB831A-002

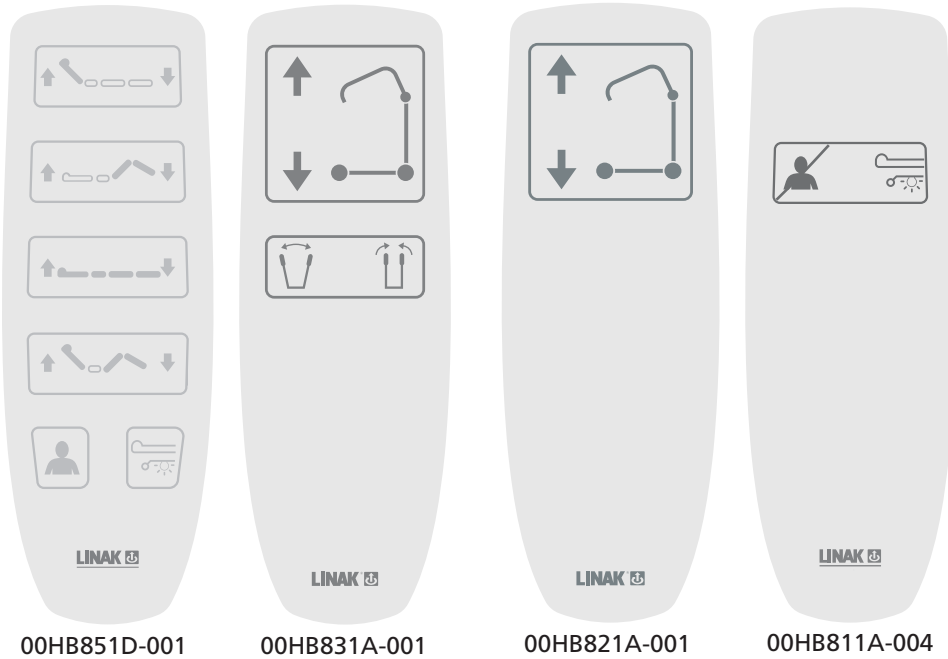


00HB841A-003



00HB851A-005

## Various HB standard front covers



**HB80 Standard front covers** - when ordering check that the handset functionality corresponds to the symbols on the front cover. The last 2 digits in the front cover code are to be used in the ordering example (xx).



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

Specifications subject to change without prior notice.  
It is the responsibility of the product user to determine the suitability of LINAK A/S products for a specific application. LINAK will at point of delivery replace/repair defective products covered by the warranty if promptly returned to the factory. No liability is assumed beyond such replacement/repair.



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