

# RF RECEIVER AND HANDSET

## Features Handset (HB10):

- Handset controlling 1 or 2 references
- Easily operated by both left and right-handers
- Colour grey/black
- Tactile SMD switches secure long life time
- Transmitter signal based on 433MHz
- Long life batteries included (not exchangeable)

## Option:

- Customized silk screen printing on cover

## Features Receiver (RFR box):

- Radio-Frequency based handset and receiver
- Black (RAL 9005).
- LINBUS communication interface
- Black, 0.3, 1.0 or 2.0 m straight cable with modular jack plug for connection between RFR and control box
- Dimensions: 23 mm x 44 mm x 111 mm
- Compatible with: CBD4 and CBD5

## Option:

- Configurator for local configuration
- Impulse drive

## Usage:

- Ambient temperature +5°C to +40°C
- Compatible CBD4 and CBD5



The HB10 and RFR box is a handset system based on radio frequency communication.

A system consists of a handset from the HB10 series, a radio frequency receiver type RFR and a cable to connect the receiver to the control box.

The receiver is a generic version suitable for both HOMELINE® and DESKLINE® products. The receiver communicates with the control box via the LINBUS interface.

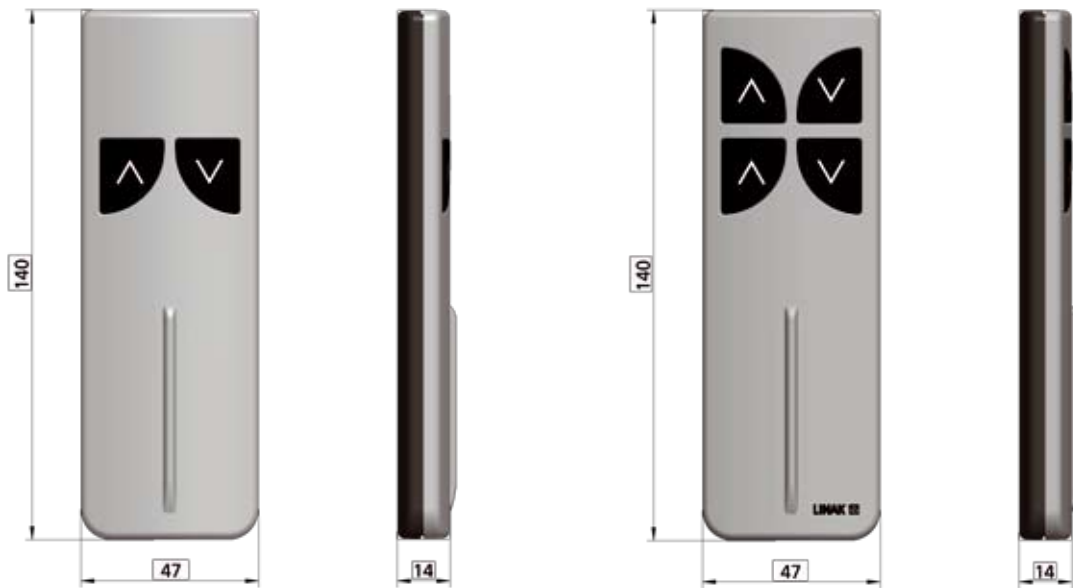
For DESKLINE applications the control boxes CBD4 and CBD5 can be used. The RF system works with the standard software.

Typical applications that would benefit from the RF program are flat screen applications where cables or position of the infrared eye is complicated or undesirable due to the design.

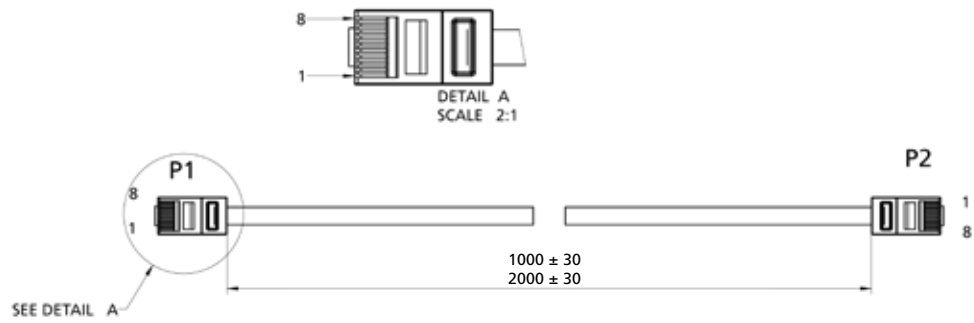
Dimension for HB10 series:

HB11

HB12

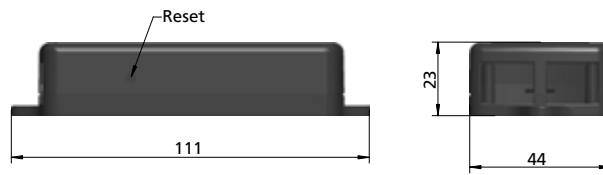


Cable dimension:



0705835	$300 \pm 10$
0705831	$1000 \pm 30$
0617503	$2000 \pm 30$

### Receiver dimension:

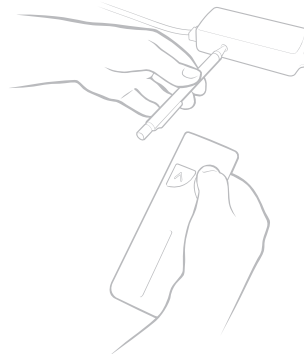


### Operation of the system:

The RF handset HB10 is a simple up/down control with a button for the up activation and a button for the down activation.

### Activating the learning mode:

Activate the reset key on the RFR by using a pen or similar to keep the button pressed.



- Keeping the reset key activated; the RF handset must be activated by pressing a random key on the RF handset. The RF handset ID's are stored in the memory and at the same time, previous RF handset ID's are erased.
- After having activated the RF handset keys; the reset key must be released.
- If no RF handset keys are activated during the matching procedure; no changes are made in the ID memory of the receiver.
- Please be aware that other equipments (as e.g. doorbells), which use the 433MHz can disturb the RF signal.

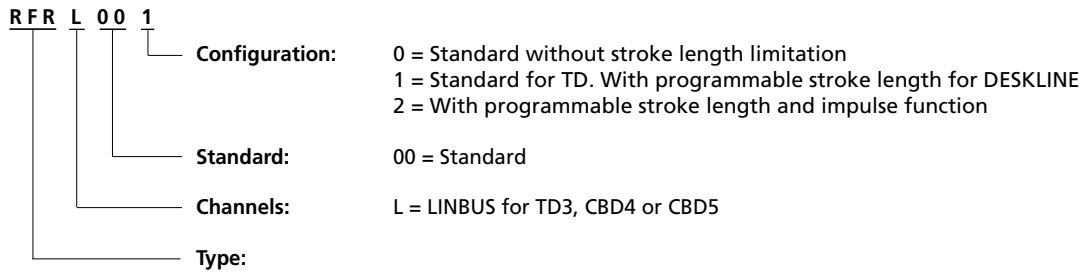
Every RF handset has its own 32 bit unique address and the RF protocol contains a check sum which ensures that only the handset that have been activated during the learning process can activate the system. No noise signal from other RF equipment can activate the system, but might prevent it from running depending on the signal strength of the noise signal. The operation range for the HB10 is approx. 6m, but depending on the surroundings in where it is mounted it can be less. E.g. if the receiver is mounted in a cabinet along with other equipment.

### Programmable stroke length for flat screen applications

By connecting any Desk Panel to the control box the max allowed stroke length can be set using the Desk Panel. The receiver will sense the max level and afterwards avoid exceeding this max stroke length when using the remote handset.

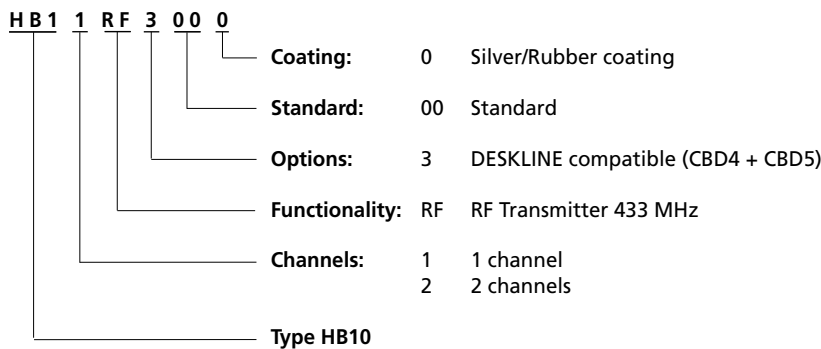
## Receiver

Ordering example:



## HB10

Ordering example:



### Cables with modular jack:

300 mm 0705835  
1000 mm 0705831  
2000 mm 0617503

### FCC Statements:



#### For all intentional and unintentional radiators:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



#### Statement for Digital devices for Class B:

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not in-stalled and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/ TV technician for help.

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.