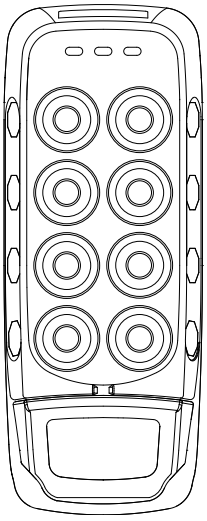
ENGINEERING
TOMORROW

User Manual

Remote Control
IKORE B Transmitter



www.danfoss.com

Revision history

Table of revisions

Date	Changed	Rev
January 2019	Rebranded to Danfoss Power Solutions	0101

Contents

Safety instructions

IKORE B general safety

The following safety instructions must be read carefully in order to install and use the product properly and to keep it in perfect working condition and to reduce the risk of misuse.

Potential damage to operator and product.
Do not use this product on machines in potentially explosive atmospheres unless the model is ATEX/ RATEX certified to do so.

- Strictly adhere to the installation instructions contained in this document.
- Make sure that professional and competent personnel carry out the installation.
- Ensure that all site and prevailing safety regulations are fully respected.
- Make sure that this document is permanently available to the operator and maintenance personnel.
- Keep the transmission key when the set is not in use.
- On starting each working day, check to make sure that the STOP button and other safety measures are working.
- When in doubt, press the STOP button.
- Whenever several sets have been installed, make sure the transmitter is the right one. Identify the machine controlled on the label for this purpose on the transmitter or by using the display (in case it has one).
- Service the equipment periodically.
- When carrying out repairs, only use spare parts from Danfoss.

IKORE B safety warnings

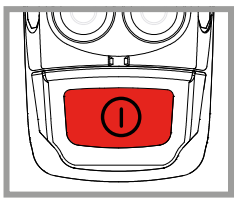
Potential damage to operator and product.
Follow the guidelines below to reduce risk of injury to the operator and the product.

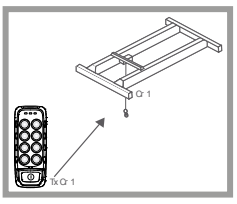
- Use the device with the manufacturer's battery and battery charger (if applicable).
- Only allow qualified personnel to operate the equipment.
- Always set the STOP button in the off position when not in use.
- Always press STOP before plugging in tether cable (if applicable).
- Do not operate product when visibility is limited.
- Make sure product is compatible with the machine.
- Avoid knocking or dropping the product.
- Do not use the product if a failure is detected.

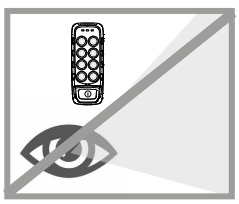
Changes or modifications not approved by Danfoss can void the user's authority to operate this product.

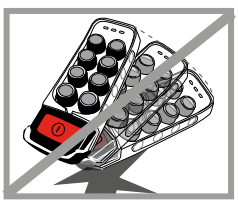
Quick reference precautions


Remove the EEPROM in order to disable the transmitter


When in doube, press the STOP button


Make sure the transmitter works with the machine to be handled

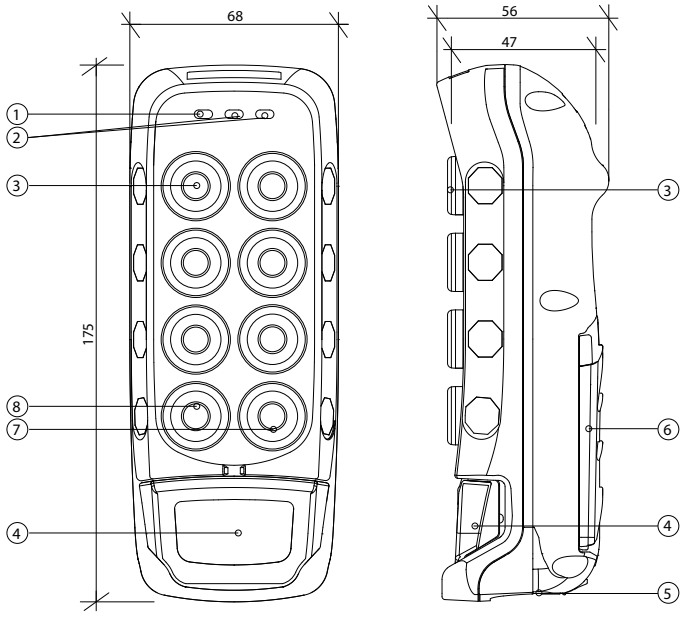

Do not use the set when visibility is limited


Avoid knocking or dropping the set

Technical description

IKORE dimensions and identification

Dimensions in mm

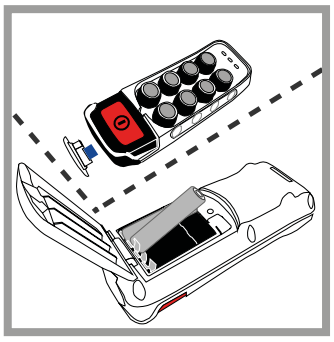


1. Status LEDs
2. Hoist selection LEDs
3. Maneuver push buttons
4. STOP button
5. External and extractable EEPROM module
6. Alkaline batteries
7. START push button
8. Hoist selection push button

Technical description

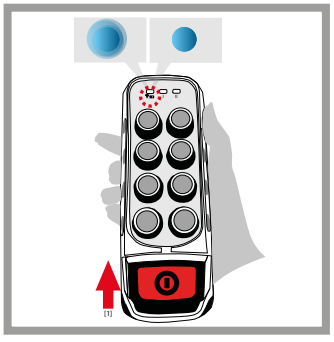
IKORE startup

1. Place the EEPROM and fully charged alkaline batteries or rechargeable battery if applicable.



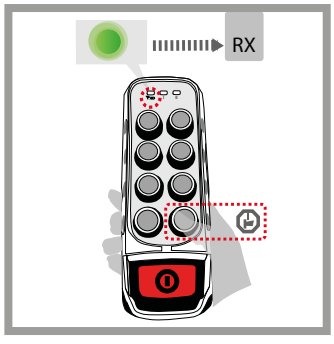
2. Push and pull out the STOP button.

   The status LED will blink in blue until it reaches the stand-by mode and then it will turn into a fixed blue.



3. Press the start button.

   The LED will blink green until the transmitter is linked with the receiver.



When the receiver confirms the link, the status LED will turn to a fixed green and the system is now fully operational.

When the system controls two hoists, there will be a push button for the selection of individual or joint control. I and II LEDs will show their selection.

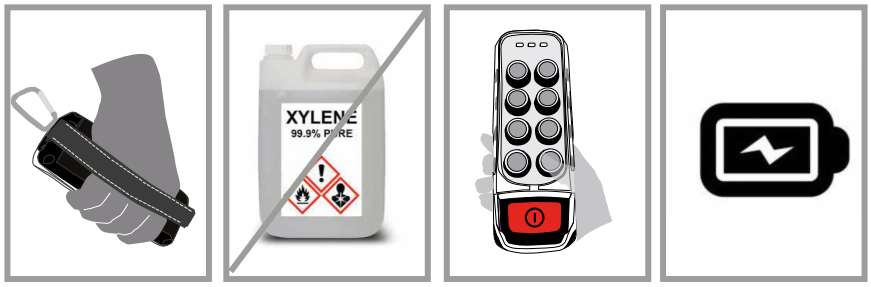
Maintenance

IKORE B maintenance tips

This product is designed for use in an industrial environment that may shorten the product's lifespan. Use these tips to maximize the lifespan of the product.

- Use the hook/belt provided with the transmitter to prevent the transmitter from falling
- Do not clean the transmitter with solvents or pressurized water; use a damp cloth or soft brush for cleaning
- If the push buttons show signs of deterioration, contact the Authorized Technical Service for repair
- Check if the battery contacts are correct, otherwise replace them.
- Ensure that the product is supplied with AAA alkaline batteries or has a rechargeable battery
- Be sure to recharge or replace battery regularly

Maintenance tips quick reference



Charger and battery

BC70K and BT11K specifications

BC70K battery charger

Specification	Value
AC power supply	110-230V, 50/60 Hz, ± 10%, automatic switching
DC power supply, nominal	12-24V

BT11K battery

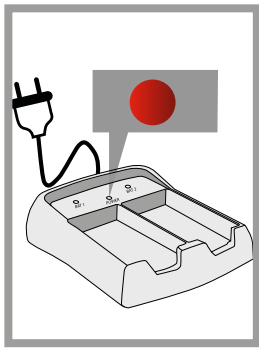
Specification	Value
Voltage	3.7V
Capacity	1130 mAh Li-ion
Charging temperature	0° C to 45° C
Discharge temperature	-20° C to 60° C
Charging mode	Fast (<2.5h) and intelligent
Weight	23g

Setting up the BC70K battery charger

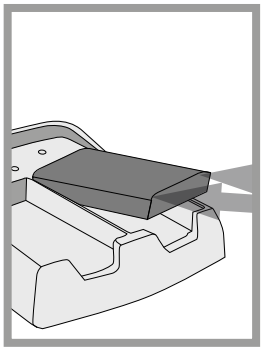
Use the information below to set up the BC70K battery charger.

The battery charger has two charging compartments that can simultaneously charge two BT11K batteries.

1. Connect the charge to a power source using the cable provided.
   The red LED will switch on if the charger is properly connected.



2. Place the batteries in the charger.



3. Optional: If charging two batteries, wait at least five seconds before inserting the second battery into the compartment.

Possible damage to battery!
Be sure to charge batteries in environments with temperatures over 0° C.

Charger and battery

BC70K status LEDs

The BC70K has an LED for each compartment (BAT 1 and BAT 2) and a common indicator (POWER).

Green LED; pulsing (BAT 1 and BAT 2)	The battery is charging
Green LED; continuous (BAT 1 and BAT 2)	The battery is completely charged
Red LED; pulsing or continuous (BAT 1 and BAT 2)	Battery charger fault
Red LED; continuous (POWER)	Battery charger is properly connected to power source

Remote control battery charging tips

The battery lifespan is estimated to be 500 recharging cycles and is largely dependent on the conditions of use.

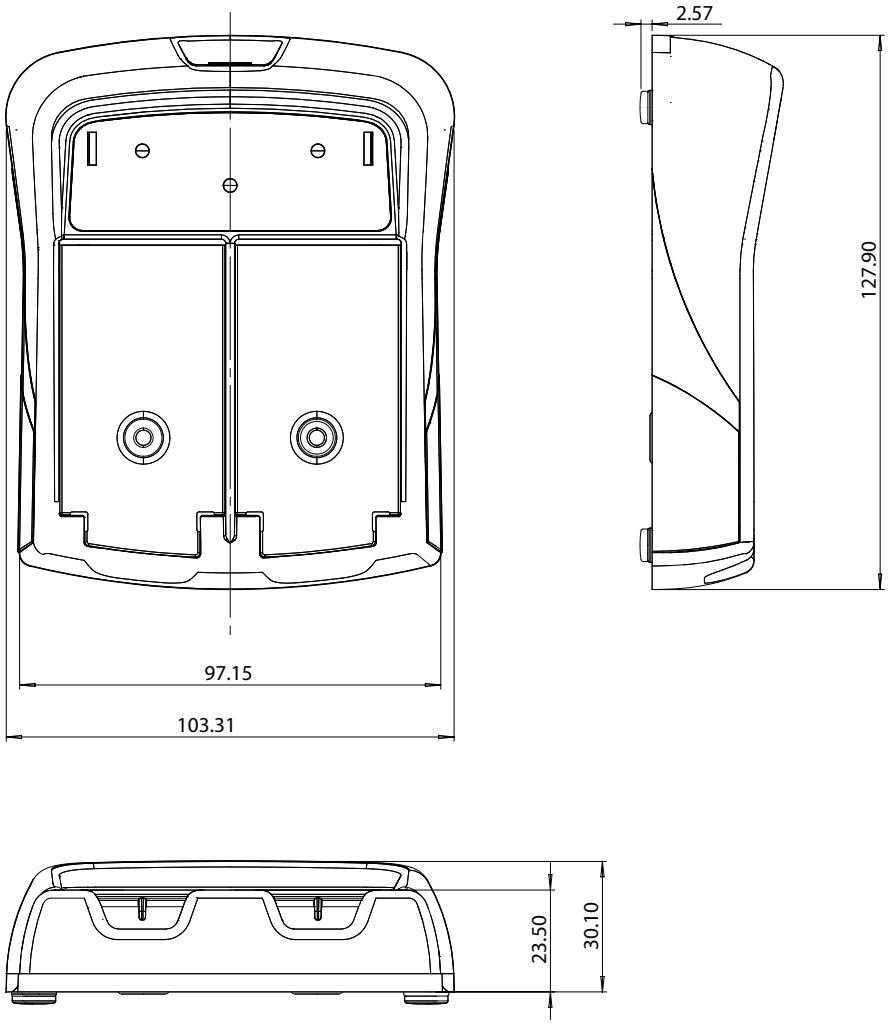
To maximize the lifespan of the batteries and battery charger, follow these tips:

- Do not recharge the battery until needed, as shown with slow, red LED pulse on the transmitter
- Always charge the batteries at temperatures between 0° and 45° C
- Do not leave the battery charger or batteries in direct sunlight
- Charge batteries at least once every six months
- Avoid short circuits between the battery contacts; do not transport charged batteries in toolboxes or next to other metal objects
- Always keep contacts clean

Charger and battery

BC70K battery charger dimensions

Dimensions in mm



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