## Revision history

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<th>Date</th>
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<tr>
<td>January 2019</td>
<td>Rebranded to Danfoss Power Solutions</td>
<td>0101</td>
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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.

**Quick reference precautions**

- **Remove the EEPROM in order to disable the transmitter**
- **When in doubt, 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
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**

![Image of maintenance tips quick reference]
Charger and battery

BC70K and BT11K specifications

**BC70K battery charger**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>AC power supply</td>
<td>110-230V, 50/60 Hz, ± 10%, automatic switching</td>
</tr>
<tr>
<td>DC power supply, nominal</td>
<td>12-24V</td>
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**BT11K battery**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>3.7V</td>
</tr>
<tr>
<td>Capacity</td>
<td>1130 mAh Li-ion</td>
</tr>
<tr>
<td>Charging temperature</td>
<td>0° C to 45° C</td>
</tr>
<tr>
<td>Discharge temperature</td>
<td>-20° C to 60° C</td>
</tr>
<tr>
<td>Charging mode</td>
<td>Fast (&lt;2.5h) and intelligent</td>
</tr>
<tr>
<td>Weight</td>
<td>23g</td>
</tr>
</tbody>
</table>

**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
Danfoss Power Solutions is a global manufacturer and supplier of high-quality hydraulic and electric components. We specialize in providing state-of-the-art technology and solutions that excel in the harsh operating conditions of the mobile off-highway market as well as the marine sector. Building on our extensive applications expertise, we work closely with you to ensure exceptional performance for a broad range of applications. We help you and other customers around the world speed up system development, reduce costs and bring vehicles and vessels to market faster.

Danfoss Power Solutions – your strongest partner in mobile hydraulics and mobile electrification.

Go to www.danfoss.com for further product information.

We offer you expert worldwide support for ensuring the best possible solutions for outstanding performance. And with an extensive network of Global Service Partners, we also provide you with comprehensive global service for all of our components.

Products we offer:

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- Electric converters
- Electric machines
- Electric motors
- Hydrostatic motors
- Hydrostatic pumps
- Orbital motors
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- PLUS+1® displays
- PLUS+1® joysticks and pedals
- PLUS+1® operator interfaces
- PLUS+1® sensors
- PLUS+1® software
- PLUS+1® software services, support and training
- Position controls and sensors
- PVG proportional valves
- Steering components and systems
- Telematics