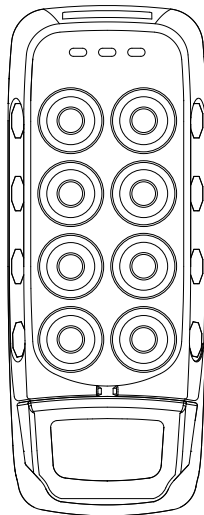


User Manual

# Remote Control

## IKORE Transmitter



**Revision history**

*Table of revisions*

<b>Date</b>	<b>Changed</b>	<b>Rev</b>
January 2019	Rebranded to Danfoss Power Solutions	0101

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## Safety instructions

### IKORE 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 safety warnings

**Potential damage to operator and product.**

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

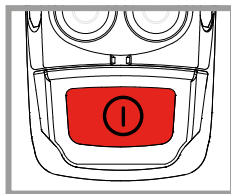
- Use the device with the manufacturer's battery and battery charger (if applicable).
- Only allow qualified personnel to operate the equipment.
- Always set the STOP button in the off position when not in use.
- Always press STOP before plugging in tether cable (if applicable).
- Do not operate product 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.**

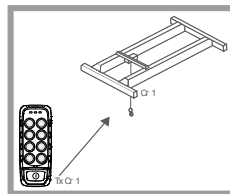
#### Quick reference precautions



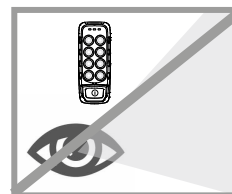
Remove the EEPROM in order to disable the transmitter



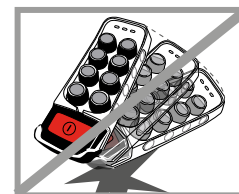
When in doubt, press the STOP button



Make sure the transmitter works with the machine to be handled



Do not use the set when visibility is limited

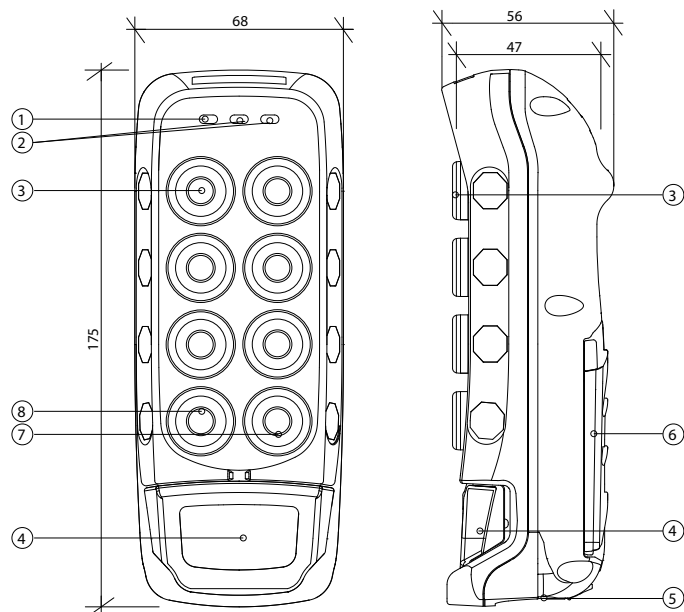


Avoid knocking or dropping the set

## Technical description

### IKORE dimensions and identification

*Dimensions in mm*

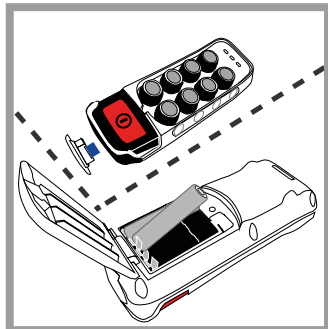


1. Status LEDs
2. Hoist selection LEDs
3. Maneuver push buttons
4. STOP button
5. External and extractable EEPROM module
6. Alkaline batteries
7. START push button
8. Hoist selection push button

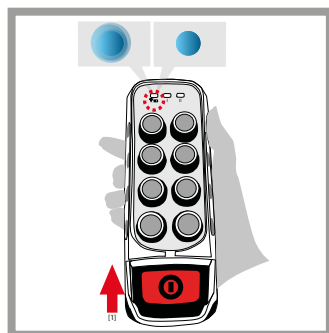
## Technical description

### IKORE startup

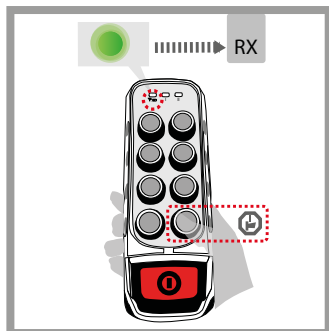
1. Place the EEPROM and fully charged alkaline batteries or rechargeable battery if applicable.



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.

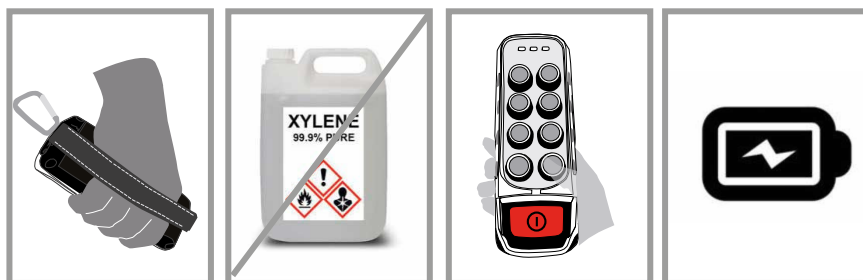
## Maintenance

### IKORE 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



## Maintenance

### IKORE troubleshooting

Color and frequency	Pulse frequency	Description	Action
Blue   fast pulses		Starting the system; establishing communications with radio and EEPROM	Wait
Blue   continuous		Stand-by mode. Set up system, waiting user's action	Press START to enter operation mode
Green   fast pulses		Attempting to link with the receiver and waiting its answer	Wait
Green   continuous		Working	Operate
Green   slow pulses		Latency; no action has been taken for some time	Press START to return to operation mode
Red   slow pulses		EEPROM module missing or corrupt	Check EEPROM and reprogram if necessary
Red   double pulses		Radio error; radio communications error	Replace transmitter
Red   continuous		General hardware failure	Replace transmitter
Orange   slow pulses		Critical battery signal	Replace batteries with charged ones
Orange   double pulses		Activated maneuver	Release maneuver









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