

Data Sheet

# Remote Control IK4 Transmitter



This remote control Transmitter is highly customizable with many features and accessories. These remote controls also support the operator with an ergonomic design that allows for safe and efficient operation.

## Features

- Up to 4 joysticks or 8 paddles
- Available for 400-900 MHz and 2.4 GHz Frequency Bands
- Highly customizable
- 4.3-inch color TFT display in 2.4GHz
- External removable EEPROM SIM module

## Benefits

- Easy and fast maintenance
- High resistance to impacts
- Innovative ergonomics
- Non-slip handles
- Frequency management against interferences

## Applications

- Industrial lifting and automation
- Construction and mining vehicles
- Cranes
- Industrial vehicles
- Agriculture and forestry
- Maritime



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Comprehensive technical literature is  
online at [www.danfoss.com](http://www.danfoss.com)

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**IK4 Transmitter**

Description	Value
Stop Function (400 - 900 MHz)	Cat. 3-PLd
Stop Function (2.4 GHz)	Cat. 3-PLe
Ingress Protection rating	IP65/NEMA4
Anti-condensation system	Goretex Film
Frequency band - ERP	433.050 to 434.040 MHz; ERP<1 mW
	434.040 to 434.790 MHz; ERP<10mW
	869.700 to 870.000 MHz; ERP<5 mW
	902.000 to 928.000 MHz; ERP<1mW
	2405MHz to 2475MHz; ERP 20dBm/100mW
Range Line of sight (guaranteed)	100m
Main mechanisms (maximum number)	Joystick (4) or Paddle (8)
Auxiliary mechanisms	Push button, toggle and rotary switches
Removable EEPROM	External
Battery model	BT27IK
Battery life	8 hours
Response Time	100ms
Operating temperature range	-20 °C to 70 °C (-4 °F to 158 °F)
Storage Temperature Range (24h)	-25°C to 75°C (-13°F to 167°F)
Storage Temperature Range (long periods)	-25°C to 55°C (-13°F to 131°F)
Relative Humidity	max. 95% without condensation
Weight (with battery)	2300 grams
Dimensions LxWxH mm	334,81x221,68x185,09
Harness	Belt/shoulder strap
Fast Teleteaching	Yes
Buzzer	Yes
Vibration	N/A
Free Fall Detection (2.4GHz)	Yes
Tilt Switch	Yes
<b>Available Options</b>	
Display (400-900MHz)	3.5" color TFT
Display (2.4GHz)	4.3-inch color TFT and RCD430
LED Panel	Yes (up to 12 LEDs)
Tether connector	Yes (M12 Connector)
Range limiter	Yes
Link Quality Indication (2.4GHz + Display)	Yes
RFID User Validation (2.4GHz)	Yes
Associated receivers (400-900MHz)	R13, R70, R70 PLUS, MPCAN, MP20
Associated receivers (2.4GHz)	R13F, MPCAN, MP20

*CB70 battery charger*

Specification	Value
Standard AC power supply	230 Vca ± 10%, 50
Optional AC power supply	115 Vca, 60 Hz
DC power supply	From 10.5 V to 35 V



BT271K battery

Specification	Value
Voltage	4.8 V
Capacity	2700 mAh NiMH
Charging temperature	From 0° C to 45° C
Discharge temperature	From -20° C to 50° C
Autonomy	From 8 to 15 h (configuration dependant)
Charging mode	7h and intelligent
Weight	156.3 g

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