

ENGINEERING
TOMORROW*Danfoss*

Data Sheet

Remote Control IK2 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 2 joysticks or 4 paddles
- Available for 400-900 MHz and 2.4 GHz Frequency Bands
- Highly customizable
- 128x64 Graphic LCD
- 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



Comprehensive technical literature is
online at www.danfoss.com

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| Description | Value |
|------------------------------------------|----------------------------------------|
| Stop Function (400 - 900 MHz) | Cat. 3-PLd |
| Stop Function (2.4 GHz) | Cat3 - 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 (normal conditions) | 100m |
| Main mechanisms (maximum number) | Joystick (2) or Paddle (4) |
| Auxiliary mechanisms | Pushbutton, toggle and rotary switches |
| Removable EEPROM | External |
| Battery model | BT11K |
| 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) | 950 grams |
| Dimensions LxWxH mm | 184 x 173.4 x 158.7 |
| Harness | Belt/shoulder strap |
| Available Options | |
| Display | 128x64 Graphic LCD |
| LED Panel | Yes (up to 8 LEDs) |
| Cable connector | Yes (M12 Connector) |
| Range limiter | Yes |
| Associated receivers | R06, R13, R70, MPCAN, MP08, MP20 |

BC70K battery charger

| Specification | Value |
|--------------------------|--------------------------------------------------|
| AC power supply | 110-230V, 50/60Hz, ± 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 |

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