

ENGINEERING
TOMORROW*Danfoss*

Data Sheet

Remote Control R06 Receiver

The R06 receiver is highly customizable with many features and mounting kits to ensure reliable and safe operation in potentially dangerous applications.

Features

- Multiband Radio with Full-Duplex communication
- External LEDs for troubleshooting
- Highly field-customizable
- Removable EEPROM SIM module
- STOP: PLd, Category 3 according to EN ISO 13849-1:2008
- 6 digital outputs

Benefits

- Easy and fast maintenance
- Multi-feedback capability
- Frequency management against interferences

Applications

Industrial lifting and automation



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Technical data

Description	Value
Stop function (400-900MHz)	Cat. 3-PLd
Ingress Protection rating	IP65/NEMA4
Frequency band - ERP	433.050 to 434.040 MHz; ERP<1mW
	434.040 to 434.790 MHz; ERP<10mW
	869.700 to 870.000 MHz; ERP<5mW
	902.000 to 928.000 MHz; ERP<1mW
Range Line of sight (guaranteed)	100m
AC power supply	48 - 230 Vac \pm 25% (Multivoltage) / 18-30 Vac (700mA)
DC power supply	8 - 36 Vdc (2A)
Antenna	Internal
Removable EEPROM	Internal
Signaling	External
STOP Outputs (400-900MHz)	1 (6A)
Start Relay	1 (6A)
Safety Relay	1 (6A)
ON/OFF outputs	6 (6A)
Proportional Outputs	N/A
CAN Bus Protocols	CANopen
ON/OFF inputs	Option
Analog inputs	Option
Response Time	100ms
Maximum Total output current	8A
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	640 grams
Dimensions (LxWxH mm)	151x129x61
Tether connection	N/A
Associated transmitters (400-900MHz)	Ikargo1, T70/1, T70/2, IK2
Options	
Inputs	4 Digital or 1 Proportional input board

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Remote Control R11 Receiver

The R11 receiver is highly customizable with many features and mounting kits to ensure reliable and safe operation in potentially dangerous applications.

Features

- Removable EEPROM SIM module
- Frequency management against interferences
- STOP: PLe, Category 4
- 11 digital outputs

2.4 GHz

- Radio with full-duplex communication

Benefits

- Easy and fast maintenance

Applications

- Standard EOT cranes



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Technical data

Specification	Value
Stop function (2.4 GHz)	Cat. 4-PLe
Ingress protection	IP65/NEMA4
Frequency band - ERP	2405MHz to 2475MHz 20dBm/100mW
Range Line of sight (guaranteed)	100m
AC power supply	48 - 240 Vac / 18 - 30 Vac (500mA)
DC power supply	8 - 36 Vdc (2A)
Antenna	Internal
Removable EEPROM	Internal
Signaling	Internal
STOP Outputs (2.4GHz)	2 (6A)
Start Output	1 (8A)
Safety Relay	1 (8A)
ON/OFF outputs	11 (8A)
Proportional Outputs	N/A
CAN Bus Protocols	N/A
ON/OFF inputs	N/A
Proportional inputs	N/A
Maximum Total Output Current	8A
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	800 grams
Dimensions	164x210x60 mm
Tether Connector	N/A
Associated transmitters (2.4 GHz)	Ikore, IkoreB, Icompact, IK2, IK3, IK4

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Remote Control R70 Receiver

The R70 receiver is highly customizable with many features and mounting kits to ensure reliable and safe operation in potentially dangerous applications.

Features

- Multiband radio with full-duplex communication
- Removable EEPROM SIM module
- STOP: PLd, Category 3 according to EN ISO 13849-1:2008
- Multi-feedback capability
- 29 digital and 8 analog outputs

Benefits

- Highly field customizable
- Frequency management against interferences
- Fast and easy maintenance
- Suitable for all common proportional valves

Applications

- Industrial lifting and automation
- Construction and mining vehicles/ cranes
- Industrial vehicles



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Technical data

Specification	Value
Stop function	Cat. 3-PLd
Ingress protection	IP65/NEMA4
Frequency band	Multi-band (400-930 MHz)
AC power supply	48-230 Vac \pm 25% (Multi-voltage) / 18-30 Vac
DC power supply	8-36 Vdc
Antenna	External
Removable EEPROM	Internal
Signaling	Internal
ON/OFF outputs (maximum)	29
Analog outputs (maximum)	8
CANopen, Profibus-DP	Yes
ON/OFF inputs (maximum)	44
Analog inputs	8
Maximum output current	8A
Working temperature range	-20° C to +70° C (-4° F to +158° F)
Weight	2100g
Dimensions	285 x 200 x 110
Cable connection	Yes
Associated transmitters	T70 1, T70 2, T70 1 HALL, T70 2 HALL, T70 1 ATEX, T70 2 ATEX, IK2, IK3, IK4

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Remote Control R70 PLUS Receiver

The R70 PLUS receiver is highly customizable with many features and mounting kits to ensure reliable and safe operation in potentially dangerous applications.

Features

- Multiband radio with full-duplex communication
- Removable EEPROM SIM module
- STOP: PLd, Category 3 according to EN ISO 13849-1:2008
- Multi-feedback capability
- 53 digital and 8 analog outputs

Benefits

- Highly field customizable
- Frequency management against interferences
- Fast and easy maintenance
- Suitable for all common proportional valves

Applications

- Industrial lifting and automation
- Construction and mining vehicles/ cranes
- Industrial vehicles



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Technical data

Specification	Value
Stop function	Cat. 3-PLd
Ingress protection	IP65/NEMA4
Frequency band	Multi-band (400-930 MHz)
AC power supply	48-230 Vac \pm 25% (Multi-voltage) / 18-30 Vac
DC power supply	8-36 Vdc
Antenna	External
Removable EEPROM	Internal
Signaling	Internal
ON/OFF outputs (maximum)	53
Analog outputs (maximum)	10
CANopen, Profibus-DP	Yes
ON/OFF inputs (maximum)	44
Analog inputs (maximum)	8
Maximum output current	8A
Working temperature	-20° C to +70° C (-4° F to +158° F)
Weight	Configuration dependable
Dimensions	350 x 250 x 150
Cable connection	Yes
Associated transmitters	IK3, IK4

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