

Data Sheet

# Remote Control R70 Receiver

The R13F receiver is highly customizable with many features and mounting kits to ensure reliable and safe operation in potentially dangerous applications.

## Features

- Available for 400-900 MHz and 2.4 GHz Frequency Bands
- Removable EEPROM SIM module
- STOP (400-900Mhz): PLd, Category 3
- STOP (2.4GHz): PLe, Category 4
- 29 digital and 8 analog outputs

## Benefits

- Highly field customizable
- Multi-Feedback capability
- 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

---

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

---





Technical data

Specification	Value
Stop Function (400-900 MHz)	Cat. 3 - PLd
Stop Function (2.4GHz)	Cat. 4 - PLe
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
	2405MHz to 2475MHz 20dBm/100mW
Range Line of sight (guaranteed)	100m
AC power supply	48 - 240 Vac / 18 - 30 Vac (700mA)
DC power supply	8 - 36 Vdc (2A)
Antenna	External
Removable EEPROM	Internal
Signaling	Internal
STOP Outputs (400-900MHz)	1 (6A)
STOP Outputs (2.4GHz)	2 (6A)
Start Output	1 (8A)
Safety Relay	1 (8A)
ON/OFF outputs	13 (8A)
Proportional outputs	Option
CAN Bus Protocols	Option
ON/OFF inputs	Option
Proportional inputs (maximum)	Option
Maximum 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	1350g
Dimensions (LxWxH mm)	245x160x80
Tether Connector	YES (M12 Connector)
Associated Transmitters (400-900 MHz)	Ikargo1, Ikargo2, T70/1, T70/2, T70/1 HALL, T70/2 HALL, IK2, IK3, IK4
Associated Transmitters (2.4 GHz)	Ikore, IkoreB, Icompact, IK2, IK3, IK4
<b>Options</b>	
CAN Bus Protocols	CANopen, Profibus DP, Profinet
ON/OFF outputs	16 (8A)
Proportional Outputs	8 (PWM or Voltage)
Inputs	44 ON/OFF Inputs or 11 Analog Inputs

Danfoss can accept no responsibility for possible errors in catalogues, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without subsequent changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.