

Data Sheet

# Remote Control R13 B Receiver

The R13 B 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
- External removable EEPROM SIM module
- STOP: PLd, Category 3 according to EN ISO 13849-1:2008
- Multi-feedback capability
- 13 digital outputs

## Benefits

- Easy and fast maintenance
- Frequency management against interferences
- Suitable for all common proportional valves

## Applications

Industrial lifting and automation

---

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

---





Technical data

Description	Value
Stop function (400-900 MHz)	Cat. 3-PLd
Ingress Protection rating	IP65/NEMA4
Frequency band	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
Range Line of Sight (guaranteed)	100m
AC power supply	48 – 240 Vac / 18 – 30 Vac (700mA)
DC power supply	8 – 36 Vdc (2A)
Antenna	Internal
Removable EEPROM	External
Signalling	External
STOP Output (400-900MHz)	1 (6A)
Start Output	1 (8A)
Safety Relay	1 (8A)
ON/OFF outputs	13 (8A)
Proportional Outputs	N/A
CAN Bus Protocols	N/A
ON/OFF inputs	4
Proportional inputs	1
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	1350 grams
Dimensions (LxWxH mm)	245x160x80
Cable connection	N/A
Associated transmitters (400-900 MHz)	Ikargo1, Ikargo2, T70/1, T70/2, T70/1 ATEX, T70/2 ATEX, IK2, IK3, IK4

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.