

Data Sheet

# Remote Control R13 ATEX Z2 Receiver

The R13 ATEX Z2 receiver is highly customizable with many features and mounting kits to ensure reliable and safe operation in potentially dangerous applications.

## Features

- Multiband radio
- Removable EEPROM SIM module
- STOP: PLd, Category 3 according to EN ISO 13849-1:2016
- 13 digital outputs

## Benefits

- High field customizable
- Frequency management against interferences
- Easy and fast maintenance
- Low mechanical risk
- Low electrostatic build-up risk

## Applications

- Explosive environments



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

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### Technical data

Specification	Value
Stop function (400-900 MHz)	Cat. 3-PLd
Ingress protection Rating	IP65/NEMA4
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
Range Line of Sight (guaranteed)	100m
AC power supply	48-240 Vac $\pm$ 25% (80mA)
DC power supply	N/A
Receiver current consumption	700mA
Antenna	External/internal
Removable EEPROM	Internal
Signaling	Internal
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	N/A
Proportional inputs	N/A
Response Time	100ms
Maximum Total output current	8A
Operating Temperature Range	-20° C to +50° C (-4° F to +122° F)
Storage Temperature Range (24h)	-25°C to 55°C (-13°F to 167°F)
Storage Temperature Range (Long Periods)	-25°C to 50°C (-13°F to 131°F)
Relative Humidity	max. 95% without condensation
Weight	1350g
Dimensions	245 x 160 x 80
Cable connection	N/A
Associated transmitters	T70 1 ATEX, T70 2 ATEX

### ATEX Marking

- Ex II 3 G D
- Ex ic nA nC IIC T4 Gc
- Ex ic tc IIIC T135°C Dc
- T.amb: -20°C +50°C
- INERIS 14ATEX3013X
- IECEx INE16.0005X
- CML 21UKEX21117X

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