

# RADION keyfob

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Invented for life



- ▶ Water and dust resistant
- ▶ Arm, disarm and panic functions
- ▶ Assigned by user for accurate reporting of open close signals
- ▶ LED indicator
- ▶ Programmable option buttons (only available on 4-button model)

RADION wireless from Bosch provides the range, scalability and exceptional battery life required to ensure reliable performance and superior quality. Advanced diagnostics and multiple device enrollment options make installation and maintenance simple and cost effective. With a complete line of peripherals, RADION provides the flexibility for virtually any application requirement.

## System overview

RADION keyfob allows you to arm or disarm the security system, or send a panic alarm. Programmed with a unique code, each model works exclusively with your compatible security system. On the four-button version, two option buttons are programmable to perform additional functions.

## Functions

### Panic alarm

The keyfob sends a panic code to your monitoring company if your security system is programmed to do so. Press both the lock and unlock buttons simultaneously for more than 600 milliseconds to send a panic alarm.

### LED indicator

The LED flashes to indicate a signal was sent to your security system.

### Programmable option buttons

The keyfob can be programmed to control additional devices in your protected area. Two option buttons are available.

### Water and dust resistant

The housing is designed to resist dust and be resistant to water.

### Encrypted transmission

RADION Keyfobs with synchronized encryption feature increased immunity to replay attacks, providing even more reliable system security.



### Notice

Keyfobs with encryption require use of RADION receivers with firmware versions described in **Compatible Receivers** section

## Certifications and approvals

Region	Certificate
US	UL 1023 – Household Burglar Alarm System Units ANSI/SIA CP-01-2010 (RFKF-FB-A/RFKF-TB-A/RFKF-FBS-A/RFKF-TBS-A)
Europe	CE EMC Directive (EMC) 2004/108/EC Low-Voltage Directive (LVD) 2006/95/EC Radio equipment and Telecommunications Terminal Equipment (R&TTE) 1999/5/EC EN50131-1 EN50131-3 EN50131-6 Grade 2 Environmental Class II
Australia	RCM

Region	Certification	
Australia	RCM	[RFKF-FB, RFKF-FBS, RFKF-TB, RFKF-TBS, RFPB-TB, RFPB-SB]
Europe	CE	EMC, LVD, R&TTE, RoHS [RFKF-FB, RFKF-FBS, RFKF-TB, RFKF-TBS, RFPB-TB, RFPB-SB]
	EN50131-1	EN-ST-000164 [RFKF-TB, RFKF-TBS]
	EN50131-1	EN-ST-000165 [RFKF-FB, RFKF-FBS]
Belgium	INCERT	B-509-0071 RADION RFKF-FB, RFKF-TB
USA	FCC	Part 15 Security/Remote Control Transmitter 433.42 MHz [433.42 MHz]
Canada	IC	1249A-RWSSFT [-A model numbers]
Brazil	ANATEL	4349-13-1855 [RFKF-FB-A]
	ANATEL	4278-13-1855 [RFPB-SB-A; RFPB-TB-A; RFKF-TB-A]

## Installation/configuration notes

### Recommended batteries

The following battery types are recommended for correct operation of your keyfob: Duracell DL2032, Varta CR2032, or Panasonic CR2032.

## Parts included

Quantity	Component
1	Keyfob
1	Lithium battery (CR2032) coin-cell, 3 VDC
1	Literature

## Technical specifications

### Properties

Dimensions	63.7 mm x 35.5 mm x 13.0 mm
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(2.51 in x 1.40 in x 0.51 in)

### Power

Power/voltage	One CR2032 Lithium battery, 3 VDC
Battery life	Up to 5 years

### Environmental considerations

Temperature	Functional range: -10°C to +49°C (+14°F to +120°F) UL only: 0°C to +49°C (+32°F to +120°F) EN 50130-5 Class II only: -10°C to 40°C (+14°F to +104°F)
Relative humidity	Up to 93% non-condensing
Frequency	433.42 MHz
Use	Intended for indoor use.

### Compatible receivers

B810	SDI2 bus receiver
RFRC-OPT	Option bus receiver
RFRC-STR	Streamline bus receiver



### Notice

All RFKF-FBS/RFKF-TBS type keyfobs (including –A and –CHI versions) include synchronized encryption and are compatible only with RADION receivers having the following firmware versions or higher.

Compatible receiver	Receiver firmware version
B810	v2.01 or higher
RFRC-OPT	v1.3 or higher
RFRC-STR	v1.5 or higher

### Trademarks

All hardware and software product names used in this document are likely to be registered trademarks and must be treated accordingly.

## Ordering information

### RFKF-FB (433.42 MHz)

Wireless, four-button key fob. For use in Europe, Africa, and Australia.  
Order number **RFKF-FB**

### RFKF-FB-A (433.42 MHz)

Wireless, four-button key fob. For use in North and South America.  
Order number **RFKF-FB-A**

**RFKF-FB-CHI (433.42 MHz)**

Wireless, four-button key fob. For use in China only.  
Order number **RFKF-FB-CHI**

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**RFKF-FBS (433.42 MHz)**

Wireless, four-button key fob with encryption. For use in Europe, Africa, and Australia.  
Order number **RFKF-FBS**

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**RFKF-FBS-A (433.42 MHz)**

Wireless, four-button key fob with encryption. For use in North and South America.  
Order number **RFKF-FBS-A**

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**RFKF-FBS-CHI (433.42 MHz)**

Wireless, four-button key fob with encryption. For use in China only.  
Order number **RFKF-FBS-CHI**

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**RFKF-TB (433.42 MHz)**

Wireless, two-button key fob. For use in Europe, Africa, and Australia.  
Order number **RFKF-TB**

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**RFKF-TB-A (433.42 MHz)**

Wireless, two-button key fob. For use in North and South America.  
Order number **RFKF-TB-A**

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**RFKF-TB-CHI (433.42 MHz)**

Wireless, two-button key fob. For use in China only.  
Order number **RFKF-TB-CHI**

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**RFKF-TBS (433.42 MHz)**

Wireless, two-button key fob with encryption. For use in Europe, Africa, and Australia.  
Order number **RFKF-TBS**

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**RFKF-TBS-A (433.42 MHz)**

Wireless, two-button key fob with encryption. For use in North and South America.  
Order number **RFKF-TBS-A**

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**RFKF-TBS-CHI (433.42 MHz)**

Wireless, two-button key fob with encryption. For use in China only.  
Order number **RFKF-TBS-CHI**

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**Accessories**

**RADION beltclip**

Belt clip for the RADION panic and keyfob transmitters. Includes clip-on attachment, 2 screws and secure locking nut, and comes in a 3-pack.  
Order number **RFAC-BC-3**

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**RADION lanyard**

Necklace lanyard for the RADION panic and keyfob transmitters. 10 lanyards are individually packed in plastic bags.  
Order number **RFAC-LY-10**

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