

## RADION keyfob



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
- ▶ 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)

#### Water and dust resistant

The housing is designed to be resistant to dust and 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

### Regulatory information

Region	Regulatory compliance/quality marks	
Europe	CE	EMC, LVD, R&TTE, RoHS [RFKF-TB, RFPB-TB, RFPB-SB] EN50131-1
	EN50131	EN-ST-000164 [RFKF-TB, RFKF-TBS]
	EN50131	EN-ST-000165 [RFKF-FB, RFKF-FBS]
USA	FCC	Part 15 Security/Remote Control Transmitter 433.42 MHZ
	UL	[RFKF-TB, RFPB-SB, RFPB-TB]
	UL	UL 1023 - Household Burglar Alarm System Units, SIA-CP-01:2010

Region	Regulatory compliance/quality marks	
Canada	IC	1249A-RWSSFT
Germany	VdS	H116003 [AMAX 2100/3000, RFRC-OPT, RFUN, RFDW-RM, RFDW-SM, RFPR-12, RFDL-11, RFKF-TB, RFKB-FB]
Australia	RCM	[RFKF-FB, RFKF-FBS, RFKF-TB, RFKF-TBS, RFPB-TB, RFPB-SB]
Belgium	INCERT	B-509-0071/a [RADION RFKF-FB, RFKF-TB]
Brazil	ANATEL	4278-13-1855 [RFPB-SB; RFPB-TB; RFKF-TB]
	ANATEL	4349-13-1855 [RFKF-FB]

### Installation/configuration notes

#### Recommended batteries

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

#### Compatible receiver firmware versions

RADION receiver	Compatible receiver firmware version
B810	V2.01 or higher
RFRC-OPT/RFRC-OPT-CHI	V1.3 or higher
RFRC-STR	V1.5 or higher
RFRC-STR2/RFRC-STR2-CHI	V2.2.0 or higher

### Technical specifications

#### Properties

Dimensions	63.7 mm x 35.5 mm x 13.0 mm (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.

#### **i** 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.

#### 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 Wireless key fob, 4-button**

Wireless, four-button key fob.

Order number **RFKF-FB | F.01U.253.609**

#### **RFKF-FB-CHI Wireless key fob, 4-button**

Wireless, four-button key fob. For use in China only.

Order number **RFKF-FB-CHI | F.01U.253.626**

#### **RFKF-FBS Wireless key fob, 4-button, encrypted**

Wireless, four-button key fob with encryption.

Order number **RFKF-FBS | F.01U.313.182**

**F.01U.384.606**

#### **RFKF-FBS-CHI Wireless key fob, 4-button, encrypted**

Wireless, four-button key fob with encryption. For use in China only.

Order number **RFKF-FBS-CHI | F.01U.313.184**

**F.01U.384.607**

#### **RFKF-TB Wireless key fob, 2-button**

Wireless, two-button key fob.

Order number **RFKF-TB | F.01U.260.847**

#### **RFKF-TB-CHI Wireless key fob, 2-button**

Wireless, two-button key fob. For use in China only.

Order number **RFKF-TB-CHI | F.01U.260.848**

#### **RFKF-TBS Wireless key fob, 2-button, encrypted**

Wireless, two-button key fob with encryption.

Order number **RFKF-TBS | F.01U.313.185**

**F.01U.384.608**

#### **RFKF-TBS-CHI Wireless key fob, 2-button, encrypted**

Wireless, two-button key fob with encryption. For use in China only.

Order number **RFKF-TBS-CHI | F.01U.313.187**

---

## Accessories

### **RFAC-BC-3 Belt clip for RADION key fobs, 3pcs**

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 | F.01U.297.291**

---

### **RFAC-LY-10 Lanyard for RADION key fobs, 10pcs**

Necklace lanyard for the RADION panic and keyfob transmitters. 10 lanyards are individually packed in plastic bags.

Order number **RFAC-LY-10 | F.01U.297.290**

---

## Services

### **EWE-DECTER-IW 12 mths wrty ext detector general**

12 months warranty extension

Order number **EWE-DECTER-IW**

---

#### Represented by:

##### **Europe, Middle East, Africa:**

Bosch Security Systems B.V.  
P.O. Box 80002  
5600 JB Eindhoven, The Netherlands  
Phone: + 31 40 2577 284  
[www.boschsecurity.com/xc/en/contact/](http://www.boschsecurity.com/xc/en/contact/)  
[www.boschsecurity.com](http://www.boschsecurity.com)

##### **Germany:**

Bosch Sicherheitssysteme GmbH  
Robert-Bosch-Ring 5  
85630 Grasbrunn  
Tel.: +49 (0)89 6290 0  
Fax: +49 (0)89 6290 1020  
[de.securitysystems@bosch.com](mailto:de.securitysystems@bosch.com)  
[www.boschsecurity.com](http://www.boschsecurity.com)

##### **North America:**

Bosch Security Systems, LLC  
130 Perinton Parkway  
Fairport, New York, 14450, USA  
Phone: +1 800 289 0096  
Fax: +1 585 223 9180  
[onlinehelp@us.bosch.com](mailto:onlinehelp@us.bosch.com)  
[www.boschsecurity.com](http://www.boschsecurity.com)

##### **Asia-Pacific:**

Robert Bosch (SEA) Pte Ltd, Security Systems  
11 Bishan Street 21  
Singapore 573943  
Phone: +65 6571 2808  
Fax: +65 6571 2699  
[www.boschsecurity.com/xc/en/contact/](http://www.boschsecurity.com/xc/en/contact/)  
[www.boschsecurity.com](http://www.boschsecurity.com)