

RADION keyfob

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BOSCH
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 security solution 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	Regulatory compliance/quality marks	
Australia	RCM	[RFKF-FB, RFKF-FBS, RFKF-TB, RFKF-TBS, RFPB-TB, RFPB-SB]
Germany	VdS	H116003 [AMAX 2100/3000, RFRC-OPT, RFUN, RFDW-RM, RFDW-SM, RFPR-12, RFDL-11, RFKF-TB, RFKB-FB]
Europe	CE	EMC, LVD, R&TTE, RoHS [RFKF-FB, RFKF-FBS, RFKF-TB, RFKF-TBS, RFPB-TB, RFPB-SB]
	EN50131	EN-ST-000164 [RFKF-TB, RFKF-TBS]
	EN50131	EN-ST-000165 [RFKF-FB, RFKF-FBS]
Belgium	INCERT	B-509-0071/a [RADION RFKF-FB, RFKF-TB]
USA	UL	[RFKF-TB-A, RFPB-SB-A, RFPB-TB-A]
	UL	UL 1023 - Household Burglar Alarm System Units
	FCC	Part 15 Security/Remote Control Transmitter 433.42 MHz
Canada	IC	1249A-RWSSFT [RFDW-SM-A, RFDW-RM-A, RFBT-A, RFUN-A, RFKF-A, RFRP-A, RFPR-12-A, RFPR-C12-A, RFSM-A, RFPB-TB-A, RFPB-SB-A, RFKF-FB-A, RFKF-TB-A, RFIN-A, RFGB-A]
Brazil	ANATEL	4278-13-1855 [RFPB-SB-A; RFPB-TB-A; RFKF-TB-A]
	ANATEL	4349-13-1855 [RFKF-FB-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.

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)
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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.



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. For use in Europe, Africa, and Australia.

Order number **RFKF-FB**

EWE-DECTER-IW 12 mths wrty ext detector general

12 months warranty extension

Order number **EWE-DECTER-IW**

RFKF-FB-A Wireless key fob, 4-button

Wireless, four-button key fob. For use in North and South America.

Order number **RFKF-FB-A**

EWE-DECTER-IW 12 mths wrty ext detector general

12 months warranty extension

Order number **EWE-DECTER-IW**

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

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

Order number **RFKF-FB-CHI**

EWE-DECTER-IW 12 mths wrty ext detector general

12 months warranty extension

Order number **EWE-DECTER-IW**

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

Wireless, four-button key fob with encryption. For use in Europe, Africa, and Australia.

Order number **RFKF-FBS**

EWE-DECTER-IW 12 mths wrty ext detector general

12 months warranty extension

Order number **EWE-DECTER-IW**

RFKF-FBS-A Wireless key fob, 4-button, encrypted

Wireless, four-button key fob with encryption. For use in North and South America.

Order number **RFKF-FBS-A**

EWE-DECTER-IW 12 mths wrty ext detector general

12 months warranty extension

Order number **EWE-DECTER-IW**

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**

EWE-DECTER-IW 12 mths wrty ext detector general

12 months warranty extension

Order number **EWE-DECTER-IW**

RFKF-TB Wireless key fob, 2-button

Wireless, two-button key fob. For use in Europe, Africa, and Australia.

Order number **RFKF-TB**

EWE-DECTER-IW 12 mths wrty ext detector general

12 months warranty extension

Order number **EWE-DECTER-IW**

RFKF-TB-A Wireless key fob, 2-button

Wireless, two-button key fob. For use in North and South America.

Order number **RFKF-TB-A**

EWE-DECTER-IW 12 mths wrty ext detector general

12 months warranty extension

Order number **EWE-DECTER-IW**

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

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

Order number **RFKF-TB-CHI**

EWE-DECTER-IW 12 mths wrty ext detector general

12 months warranty extension

Order number **EWE-DECTER-IW**

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

Wireless, two-button key fob with encryption. For use in Europe, Africa, and Australia.

Order number **RFKF-TBS**

EWE-DECTER-IW 12 mths wrty ext detector general

12 months warranty extension

Order number **EWE-DECTER-IW**

RFKF-TBS-A Wireless key fob, 2-button, encrypted

Wireless, two-button key fob with encryption. For use in North and South America.

Order number **RFKF-TBS-A**

EWE-DECTER-IW 12 mths wrty ext detector general

12 months warranty extension

Order number **EWE-DECTER-IW**

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**

EWE-DECTER-IW 12 mths wrty ext detector general

12 months warranty extension

Order number **EWE-DECTER-IW**

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**

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**

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