

RADION keyfob

www.boschsecurity.com



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 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
------------	-----------------------------

(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**

RFKF-FBS (433.42 MHz)

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

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**

RFKF-FBS-CHI (433.42 MHz)

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

RFKF-TB (433.42 MHz)

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

RFKF-TB-A (433.42 MHz)

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

RFKF-TB-CHI (433.42 MHz)

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

RFKF-TBS (433.42 MHz)

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

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**

RFKF-TBS-CHI (433.42 MHz)

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

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**

RADION lanyard

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

Represented by:

North America:

Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
security.sales@us.bosch.com
www.boschsecurity.us

Europe, Middle East, Africa:

Bosch Security Systems B.V.
P.O. Box 80002
5617 BA Eindhoven, The Netherlands
Phone: + 31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
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
apr.securitysystems@bosch.com
www.boschsecurity.asia

China:

Bosch (Shanghai) Security Systems Ltd.
203 Building, No. 333 Fuquan Road
North IBP
Changning District, Shanghai
200335 China
Phone +86 21 22181111
Fax: +86 21 22182398
www.boschsecurity.com.cn

Latin America and Caribbean:

Robert Bosch Ltda Security Systems Division
Via Anhanguera, Km 98
CEP 13065-900
Campinas, Sao Paulo, Brazil
Phone: +55 19 2103 2860
Fax: +55 19 2103 2862
latam.boschsecurity@bosch.com
www.boschsecurity.com