

# RADION 转发器

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- ▶ 由交流电适配器电源设备供电
- ▶ 包括在交流电源故障时提供后备电源的 72 小时锂聚合物电池
- ▶ 监测电池电量不足状态、护盖防拆状态、交流电源故障状态和自安装表面防拆开关拆卸的状态
- ▶ 在一个系统中最多可使用 8 个转发器
- ▶ 扩展无线系统的范围和提高其可靠性

博世的 RADION 无线装置提供确保可靠性能和优良品质所需的范围、可扩展性和出色的电池寿命。先进的诊断功能与多设备注册选项使安装和维护变得简单和极具成本效益。RADION 拥有一系列完整的外围设备，能够灵活地满足几乎所有应用需求。

## 系统概览

RADION repeater 接收到来自 RADION 发射器的传输信息，然后重新传输它们，以改善兼容发射器及其分配的兼容接收器的已传输信息的可靠性和范围。RADION repeaters 非常适合大型设施和多层建筑物、零售商店、大学校园以及商场。

## 基本功能

RADION repeaters are ideal for expanding and improving wireless coverage where the receiver is experiencing difficulty receiving messages from assigned RADION transmitters.

### LED indicator

The LED indicator on the repeater indicates the status of the repeater, as well as the receiving and transmitting of RF packets of information.

### Lithium polymer battery

Built in 72 hour battery back-up in case of power failure helps to ensure system reliability.

### Primary power

Primary power is provided by an AC power supply adaptor.

### Self-locking enclosure

The sliding self-locking enclosure has an integrated bubble level and custom gap-free, lift-gate style terminal blocks to make installation easier.

## 证书与认可

| 地区 | 证书                                                                                                                                                                     |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 美国 | UL 365 – 与警察局相连的防盗报警装置和系统<br>UL 609 – 现场防盗报警装置和系统<br>UL 636 – 劫盗报警装置和系统<br>UL 985 – 家用防火报警系统装置<br>UL 1023 – 家用防盗报警系统装置<br>UL 1076 – 专用防盗报警装置和系统<br>UL 1610 – 中心站防盗报警装置 |

| 地区   | 认证       |                                                                                                                                                                |
|------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 澳大利亚 | RCM      | 36 068 450 171 [RFRP]                                                                                                                                          |
| 欧洲   | CE       | EMC, LVD, RoHS [RFRP]                                                                                                                                          |
|      | EN5013 1 | Grade 2 [RFRP]                                                                                                                                                 |
|      | EN5013 1 | EN-ST-000236 [RFRP]                                                                                                                                            |
| 美国   | FCC      | Part 15 Security/Remote Control Transmitter 433.42 MHz                                                                                                         |
| 加拿大  | 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] |
| 巴西   | ANATEL   | [RFRP-A]                                                                                                                                                       |

### 安装/配置

#### 安装注意事项

您可以将转发器安装在住宅区、商业区、工业区或大学校园区等已安装兼容控制主机和接收器的场所。

#### 布线注意事项

交流电源适配器通过使用接线盒最右边和左边的接线盒接口连接到转发器。

#### LED 验证

一旦完成转发器安装，LED 屏幕会闪烁，指示转发器与兼容发射器之间的通信。

### 技术规格

#### Properties

|                         |                                                               |
|-------------------------|---------------------------------------------------------------|
| Dimensions              | 139.7 mm x 209.6 mm x 31.8 mm<br>(5.5 in x 8.25 in x 1.25 in) |
| Maximum wiring distance | Less than 9 m (30 ft)                                         |
| Wire gauge              | 0.65 mm (22 AWG) to 2.0 mm (18 AWG)                           |

#### Power

|               |                         |
|---------------|-------------------------|
| Power/voltage | 18 VAC, 50/60 Hz, 22 VA |
| Current draw  | 60 mA                   |

#### Environmental Considerations

|                              |                                                                                                                                |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Operating temperature        | 0°C to +49°C<br>(+32°F to +120°F)                                                                                              |
| Relative humidity            | Up to 93% non-condensing                                                                                                       |
| Wall and cover tamper switch | Transmits a tamper switch signal when the unit is removed from its base, or the unit is pulled away from the mounting surface. |
| Frequency                    | 433.42 MHz                                                                                                                     |
| Use                          | Intended for indoor use.                                                                                                       |

### Compatibility

|           |                                                         |
|-----------|---------------------------------------------------------|
| Receivers | B810 wireless receiver<br>(compatible with RFRP-A only) |
|-----------|---------------------------------------------------------|

### 订购信息

#### RFRP-A (433.42 MHz)

适合在北美洲和南美洲地区使用  
订购号 **RFRP-A**

#### RFRP (433.42 MHz)

适合在欧洲、非洲和澳大利亚使用。  
订购号 **RFRP**

#### RFRP-CHI (433.42 MHz)

仅适合在中国使用。  
订购号 **RFRP-CHI**

厂商:

**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

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