RADION specialty

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 specialty is a radio frequency (RF) wireless bill trap transmitter supplying concealed protection for financial and commercial institutions. The bill trap transmitter, with its rectangular enclosure, is designed for concealment within cash registers and drawer boxes. By detecting removal of a bill from underneath the cover mechanism, the RADION specialty Bill Trap is able to transmit a silent panic alarm for use in events such as an attempted robbery.

Functions

Supervision
The battery level and device are supervised. Monitoring helps ensure reliable operation and safeguards against undetected loss of service due to unexpected removal from the area of protection. Supervision also occurs with respect to end user damage, exposure to extreme temperatures, or other similar activities.

Tamper detection
The bill trap has tamper detection capabilities designed to initiate an alarm signal when the billtrap is forcefully removed from a cash register or cash box.

Self-locking Enclosure
The sliding self-locking enclosure is small and black to conceal it within the cash drawer.

Slim profile
The bill trap is designed to fit within the cash register drawer bill slot for ease of concealment. The trap mechanism fits most paper currencies.
## Certifications and approvals

<table>
<thead>
<tr>
<th>Region</th>
<th>Certificate</th>
</tr>
</thead>
<tbody>
<tr>
<td>US</td>
<td>UL 636 – Holdup Alarm Units and Systems</td>
</tr>
<tr>
<td>Australia</td>
<td>RCM   [RFBT]</td>
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<tr>
<td>USA</td>
<td>UL</td>
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<td></td>
<td>UL 636 - Holdup Alarm Units and Systems</td>
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<tr>
<td></td>
<td>FCC Part 15 Security/Remote Control Transmitter 433.42 MHz [433.42 MHz]</td>
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<tr>
<td>Canada</td>
<td>IC  1249A-RWSSFT [-A model numbers]</td>
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<tr>
<td>Brazil</td>
<td>ANATEL 3568-13-1855 [RFBT-A]</td>
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## Parts included

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Billtrap</td>
</tr>
<tr>
<td>1</td>
<td>Lithium battery (AAA)</td>
</tr>
<tr>
<td>1</td>
<td>Hardware pack</td>
</tr>
<tr>
<td>1</td>
<td>Installation guide</td>
</tr>
</tbody>
</table>

## Technical specifications

### Properties

- **Dimensions:** 48.8 mm x 154.1 mm x 23.6 mm (1.92 in x 6.06 in x 0.93 in)
- **Tamper detection:** Transmits a tamper switch signal when the unit is removed from its base, or the mounting surface.

### Power

- **Power/voltage:** 1.5 VDC Lithium (AAA)
- **Battery type:** AAA
- **Battery life:** Up to 5 years
- **Frequency:** 433.42 MHz

### 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)

- **Environment:** Complies with EN50130-5 Class II

## Ordering information

**RFBT-A (433.42 MHz)**

For use in North and South America  
Order number **RFBT-A**

**RFBT (433.42 MHz)**

For use in Europe, Africa, and Australia.  
Order number **RFBT**

**RFBT-CHI (433.42 MHz)**

For use in China only.  
Order number **RFBT-CHI**