System overview

During an alarm, the Security Escort receiver detects an alarm signal from a transmitter (signal strength measured in 255 steps), and sends the signal to the coordinator. The coordinator forwards this information from all the receivers that detected the signal to the central console software. The central console software shows the location of the transmission on the alarm map.

Functions

Indoor Enclosure
Receivers with AE100 Indoor Enclosures have 1 red and 1 green light emitting diode (LED). Green light indicates a successful transmitter test. Red light indicates alarms or specific system tests are in progress. The AE100 Indoor Enclosures are vandal resistant and sound locally during alarms.

Outdoor Enclosure
Receivers with AE101 Outdoor Enclosures indicate a successful transmitter test through the device connected to the receivers output relay. The AE101 Outdoor Enclosures are weather-resistant.

Buddy Check
Each receiver contains a transmitter that is functionally similar to the hand-held transmitters. The central console software can command this transmitter to send a test message to other nearby receivers. The central console software issues this command, called buddy check, at regular intervals to verify that the receivers function correctly. The central console software compares the results of the buddy check with previous buddy checks, and stores information about sensitivity changes in the system database.

Sounder
Each receiver contains an internal self-contained 85 dB sounder. The sounder of the receiver that is closest to the alarm will be activated.
Certifications and approvals

<table>
<thead>
<tr>
<th>Region</th>
<th>Regulatory compliance/quality marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>RCM</td>
</tr>
<tr>
<td>USA</td>
<td>FCC</td>
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<tr>
<td>Canada</td>
<td>IC</td>
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<tr>
<td>Singapore</td>
<td>IMDA</td>
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</tbody>
</table>

Installation/configuration notes

Installation Information
When estimating the number of receivers for an installation, apply the following criteria:

- **Indoor Receivers**: Assume a spacing of no more than 24 m (80 ft) between receivers for standard construction. In multi-floor applications, the receivers on each floor must be placed directly above the receivers on the floor below them.

- **Outdoor Receivers**: Assume a receiver spacing of no more than 91 m (300 ft) between receivers.

Mounting Considerations
You will need a Security Hex Driver to mount the receiver.

- **Indoor Enclosure**: Mount on inside walls.
- **Outdoor Enclosure**: Mount on the sides of buildings and on light posts.

Compatibility Information

- **Central Console Software**: SE3000 Series
- **Security Escort coordinator**: SE-COR-433
- **Security Escort transmitter**: SE-TRM-433T01

* Refer to Bosch website for the updated list of supported transmitters.

Parts included

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Security Escort Receiver</td>
</tr>
<tr>
<td>1</td>
<td>Security Escort Coordinator &amp; Receiver Installation Manual</td>
</tr>
<tr>
<td>4</td>
<td>2.2 kΩ Axial Lead Resistors</td>
</tr>
</tbody>
</table>

Technical specifications

Transmission

- **Transmission Frequency**: 433.42 MHz
- **Trouble Output**: Signal sent through the central console