


BOSCH

Invented for life

DS150i Series Request-to-exit Detectors



- ▶ Single or double door use
- ▶ Wall or ceiling mountable
- ▶ Internal vertical pointability
- ▶ Wrap-around coverage pattern
- ▶ Selectable relay trigger mode
- ▶ Selectable fail safe/fail secure modes

The DS150i Series consists of the DS150i Detector (light gray) and the DS151i Detector (black). They are specifically designed for Request-to-exit (REX) applications. The DS150i and DS151i detect motion in their coverage area and signal an access control system or door control device.

Functions

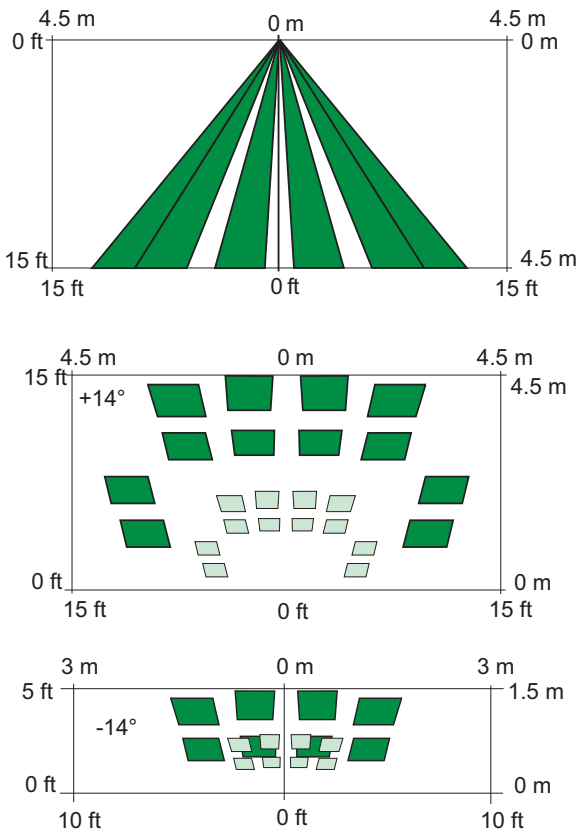
Test Features

Externally visible activation LED.

Certifications and Approvals

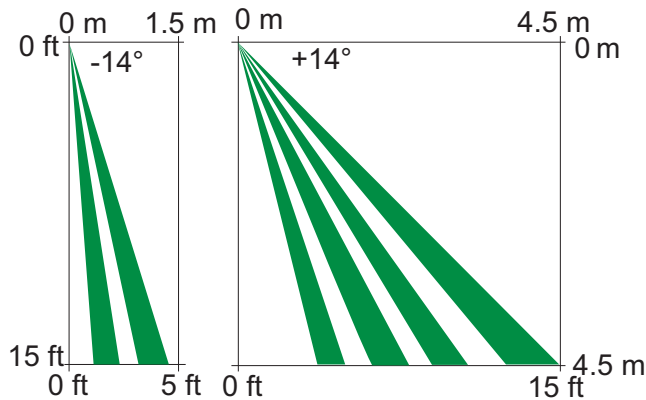
| Region | Certification | |
|--------|---------------|---|
| Europe | CE | 2004/108/EC EMC Directive; 2006/95/EC Low-Voltage Directive |
| USA | UL | ALVY: Access Control Systems Units (UL294) |

Installation/Configuration Notes



Front View and Top Views

A front view of the DS150i and DS151i coverage, as well as top views of the coverage pattern on the floor. The typical coverage measurements are 2.4 m x 3 m (8 ft x 10 ft).



Side View

A side view of the DS150i and DS151i coverage pattern.

Technical Specifications

Electrical

| | |
|---------------|------------------------------|
| Current Draw: | 26 mA at 12 VDC |
| Voltage: | 12 VAC or VDC; 24 VAC or VDC |

Mechanical

| | |
|--------------------------|---|
| Alarm Output: | Two Form C relay contacts |
| Indicators: | One activation LED |
| Relay Latch Time: | Adjustable to 60 sec |
| Enclosure Dimensions: | 3.8 cm x 15.9 cm x 3.8 cm (1.5 in. x 6.25 in. x 1.5 in.) |
| Enclosure Material: | High impact ABS plastic enclosure |
| Power Loss Default Mode: | Programmable fail-safe or fail-secure modes. |
| Timer Mode: | Programmable reset (accumulative) or non-reset (counting) mode. |
| Mounting Location: | Surface mount on wall or ceiling |

Environmental

Operating Temperature: -29°C to +49°C (-20°F to +120°F)

Radio Frequency Interference (RFI) Immunity: No alarm or setup on critical frequencies in the range from 26 MHz to 1000 MHz at 50 V/m.

Ordering Information

| | |
|---|---------------|
| DS150i Request-to-exit PIR Detector | DS150i |
| Gray enclosure. For use in request-to-exit (REX) applications. Provides 2.4 m x 3 m (8 ft x 10 ft) coverage. | |
| DS151i Request-to-exit PIR Detector | DS151i |
| Black enclosure. For use in request-to-exit (REX) applications. Provides 2.4 m x 3 m (8 ft x 10 ft) coverage. | |
| Accessories | |
| TP161 Trim Plate | TP161 |
| A black trim plate used when mounting the sensor over a standard single-gang box. | |
| TP160 Trim Plate | TP160 |
| A light gray trim plate used when mounting the detector over a standard single-gang box. | |

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