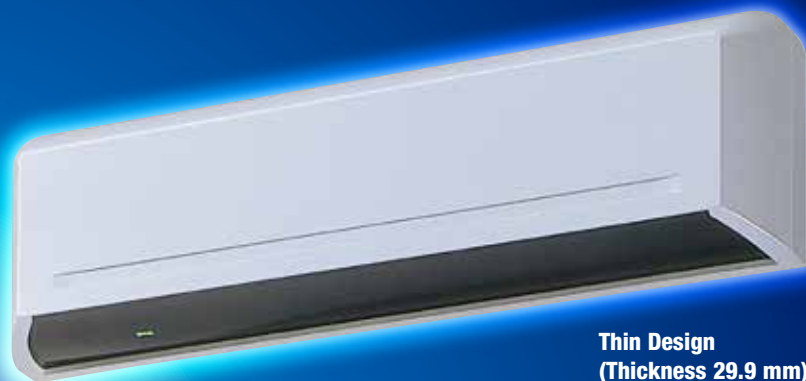


# Active Infrared Door Sensors



## OA-203C series



**Thin Design**  
(Thickness 29.9 mm)

Black

Silver

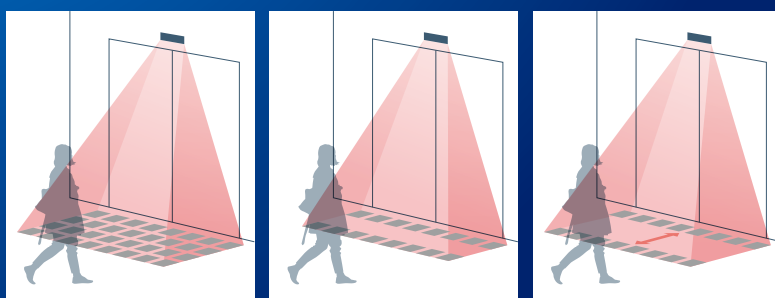


Depth      Width      Horizontal  
                                         angle      vertical  
                                         angle

**4 × 4 × 5 × 9 = 720**

Detection Area Patterns

The Optex OA-203C is the optimal choice for both safety and activation on all types of automatic doors.



## Product line up

| Model        | Description   | Voltage  | Color  |
|--------------|---------------|----------|--------|
| OA-203C (BL) | Four rows AIR | 12-30 V  | Black  |
| OA-203C (S)  | Four rows AIR | 12-30 V  | Silver |
| OA-203C BL-2 | Two rows AIR  | 12-30 V  | Black  |
| OA-203C S-2  | Two rows AIR  | 12-30 V  | Silver |
| OA-203V-1 S  | One row AIR   | 12-110 V | Silver |

## Presence Detection Function

Safety is assured by the two rows of presence detection closest to the door. The sensor detects a person or object and holds the door open as long as they are near the threshold area, even if they stop or pause.

## All conditions

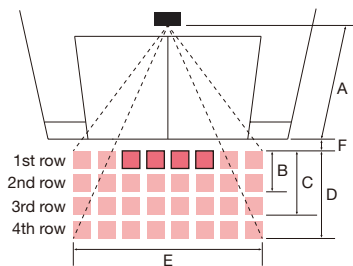
Snow mode and variable sensitivity adjustments make this sensor suitable for every application and even weather conditions.

## Easy installation

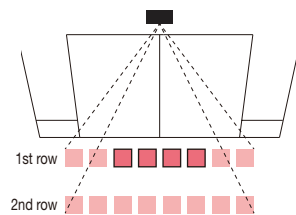
The Optex OA-203C is simple to install. All the settings are mechanically adjustable with dip switch and levers.

## Detection Area

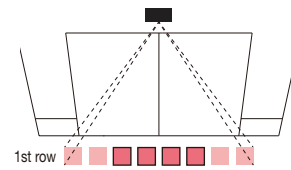
OA-203C (BL), OA-203C (S)



OA-203C BL-2, OA-203C S-2



OA-203V-1



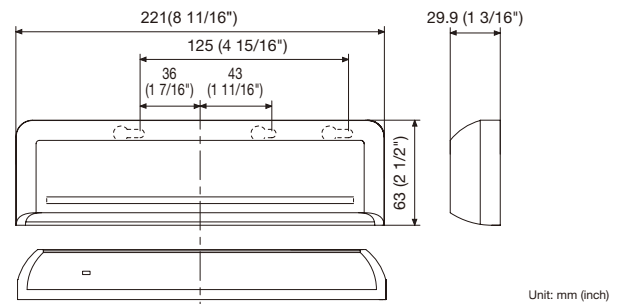
■ Emitting spots ■ Emitting spots (can be eliminated)

|   | m (feet, inch)         |                      |                      |                       |                       |
|---|------------------------|----------------------|----------------------|-----------------------|-----------------------|
| A | 2.00<br>(6' 6 3/4")    | 2.20<br>(7' 2 5/8")  | 2.50<br>(8' 2 7/16") | 2.70<br>(8' 10 5/16") | 3.00<br>(9' 10 1/8")  |
| B | 0.28<br>(11")          | 0.31<br>(1' 3/16")   | 0.35<br>(1' 1 3/4")  | 0.38<br>(1' 2 15/16") | 0.41<br>(1' 4 9/16")  |
| C | 0.68<br>(2' 2 3/4")    | 0.75<br>(2' 5 1/2")  | 0.85<br>(2' 9 9/16") | 0.92<br>(3' 1/4")     | 1.02<br>(3' 4 3/16")  |
| D | 1.18<br>(3' 10 7/16")  | 1.30<br>(4' 3 3/16") | 1.48<br>(4' 10 1/4") | 1.59<br>(5' 2 5/8")   | 1.77<br>(5' 9 11/16") |
| E | 2.10<br>(6' 10 11/16") | 2.30<br>(7' 6 9/16") | 2.60<br>(8' 6 3/8")  | 2.80<br>(9' 2 1/4")   | 3.10<br>(10' 2 1/16") |
| F | 0.16<br>(6 5/16")      | 0.18<br>(7 1/16")    | 0.20<br>(7 7/8")     | 0.22<br>(8 11/16")    | 0.25<br>(9 13/16")    |

## Specifications

|                            |                                                                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                      | OA-203C                                                                                                                                                                     |
| Mounting height            | 3.0 m (9'10") max.                                                                                                                                                          |
| Detection area adjustments | Eliminate rows B, C, or D (dip switch setting)<br>Depth 4° in or out, 1° per setting<br>Width 7° left or right, 3.5° per setting<br>Shutters eliminate left and right sides |
| Detection technique        | Active infrared reflection                                                                                                                                                  |
| Power supply               | 12 to 30 V AC/DC                                                                                                                                                            |
| Power consumption          | 160 mA max. (at 12V AC)                                                                                                                                                     |
| Power/Operating indicator  | Green: Standby<br>Red: Presence detection<br>Orange: Motion detection                                                                                                       |
| Output contact             | Form C relay 50 V, 0.3 A max. (resistance load)                                                                                                                             |
| Relay hold time            | Approx. 0.5 s                                                                                                                                                               |
| Response time              | <0.3 s                                                                                                                                                                      |
| Operating temperature      | -20 to +55°C (-4 to +131°F)                                                                                                                                                 |
| Outer dimensions           | 221 x 63 x 29.9 mm (w x h x d)                                                                                                                                              |
| Weight                     | 200 g                                                                                                                                                                       |
| Accessories                | 3 m Connection cable with plug<br>2 Mounting screws<br>1 Mounting template<br>1 Area adjustment tool                                                                        |
| Available colours          | Black (OA-203CBL), silver (OA-203CS)                                                                                                                                        |

## Dimensions



## Option

Rain cover M



### Manufacturer

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