AUTOMATIC DOOR SAFETY SENSOR

SSS-1

Safety Sensor for Swing Doors

Available in 340, 700 & 900mm lengths with up to 3 PSD units, SSS-1 will protect pedestrians in and around the moving leaf of swing doors.

The SSS-1 uses PSD (Position Sensitive Detection) devices and software as used in auto-focus cameras to ensure accurate pedestrian detection.

FEATURES

- Position Sensitive Detection (PSD) device automatically focuses the sensor lenses to the dipswitch height settings.
- Detection distance easily adjusted using dipswitch settings.
- High resistance to environmental temperature fluctuation.
- All Adjustments made using dip switch settings, which removes the need for troublesome mechanical adjustments.
- Excellent resistance to the negative effect of ambient light.
- For ease of installation, output relay logic is dipswitch selectable.
- Operation 12-24V AC/DC, Form C common relay.

HOTRON®

MEETING YOUR SENSING REQUIREMENTS

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TÜV ISO 9001

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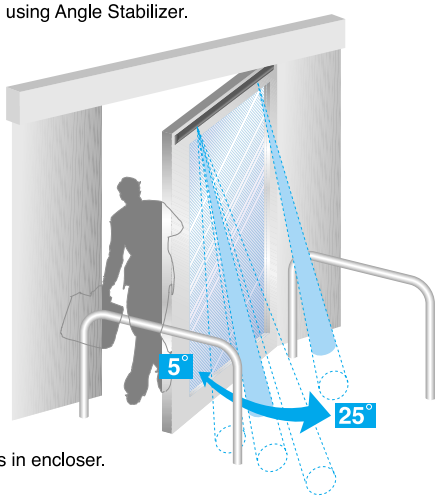
Detection Area

Detection Angle can be changed from 5～25[deg], in 5[deg] step, using Angle Stabilizer.

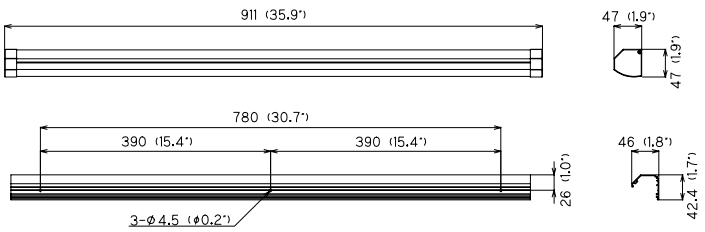


※ 2 PCB units in encloser.

Model	SSS-1 (Motion & Presence)
Detection Method	Active Infrared with PSD distance measurement
Power Supply	AD/DC 12 - 24[V] ±10%
Mounting Height	2600 mm (8'6") Max
Detection Range	0.4 - 2.4 m (1'4" - 7'10") (Background Analysis Dip Sw Bit #7 = OFF) 0 - 2.4 m (0'- 7'10") (Background Analysis Dip Sw Bit #7 = ON)
Range Adjustment	1400 (4'7"), 1600 (5'3"), 1800 (5'11"), 2000 (6'7"), 2200 (7'3"), 2400 (7'10") mm(inch)
Beam Angle Adjustment	5,10,15,20,25 [degrees]
Detection Time	∞
Response Speed	Less than 50 mSec
Delay Hold Time	0.5 , 1 , 2 , 4.5 Sec
Inhibit Input	DC12-24 V ±10%; Inhibited when voltage is applied
Relay Output	DC 50V 0.1 A non voltage 1C
Current Consumption	2.2[VA] with AC12V (1 unit 1.1[VA]) 120[mA] with DC12[V] (1 unit 60[mA]) 3.2[VA] with AC24V (1 unit 1.6[VA]) 70[mA] with DC24[V] (1 unit 35[mA])
Weight	800g (1.8 lb) approx.
Operating Temperature	-20°C +60°C -4°+140°F
Dip Sw Functions	Relay Hold Time: 2 [Bit] Detection Range: 3 [Bit] Optical Interference: 1 [Bit] Background Analysis Mode: 1 [Bit] Relay Output Mode: 1 [Bit]

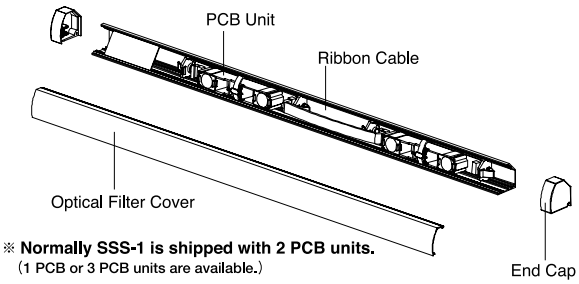
NOTE: Specifications may change without prior notice

Dimensions



Available in 340, 700 & 900mm lengths

Components



※ **Normally SSS-1 is shipped with 2 PCB units.**
(1 PCB or 3 PCB units are available.)

Typical Application

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