



SENSORS & SWITCHES

SafePath™ SSS-1 Swing Door Mounted Presence Sensor



Product Name SafePath™ SSS-1

Swing Door Mounted Presence
Sensor

Manufacturer

MS SEDCO
8701 Castle Park Drive
Indianapolis, IN 46256
Phone: (800) 842-2545
www.mssedco.com

Product Description

BASIC USE

The SafePath SSS-1 is a door mounted presence sensor designed to provide safety protection for any swing, bi-fold, revolving and low energy automatic doors. On swing doors, while the door is opening, the SSS-1 will sense and protect a person in its path and either slow or stop the door. When the door is closing, the SSS-1 will sense a person in its path and reopen the door.

The SSS-1 combines the most reliable active infrared technology

available with Position Sensitive Detection (PSD) technology found in auto focus cameras to ensure precise pedestrian detection within the path of a moving door panel.

The SSS-1 mounts near the top of the door panel out of harms way. PSD sensor technology automatically focuses the sensor lenses to dipswitch controlled height settings. The detection area width can be increased by inserting additional PSD sensor modules into the 34 1/2" long extruded aluminum housing. Each sensor module's detection zone can then be adjusted independently.

The PSD sensor module consists of a transmitter (TX) and a receiver (RX) that emits a precise detection pattern that functions independently of other modules. Three standard versions of the SSS-1 are available. The SSS-1L1 contains a single PSD sensor module and is ideal for low energy doors. The SSS-1L2 contains two PSD sensor modules doubling detection capability and providing safety for full energy doors. The SSS-1L3 contains three PSD sensor modules for the highest level of safety.

The SSS-1 mounts on either side or both sides of a door panel depending upon the application. They can also be used stand alone or in conjunction with other sensors for complete swing door safety. Consult ANSI A156.10 to ensure proper usage and to meet all safety requirements.

Technical Data

- Combines reliable active infrared and Auto Focus Position Sensitive Detection (PSD) technologies for precise detection
- Mounts at top of door to eliminate potential damage from shopping carts and hospital beds
- One (SSS-1L1), two (SSS-1L2), or three (SSS-1L3) sensor module options available
- Works with any manufacturer's operator
- Adjustable detection angle, distance and width
- Quick-Connect wiring harnesses
- Infinite presence timer
- 12V to 24V AC or DC Operation
- Form C Dry Relay Contact; Output Logic Dipswitch Selectable

SPECIFICATIONS

Model

SafePath SSS-1 Door Mounted
Presence Sensor

Detection Method

Active Infrared with Position
Sensitive Detection (PSD)
Measurement

Max. Installation Height

8'6" (2.6m)

Detection Range

0'-7'10" (0-2.4m)

Range Adjustment

4'7" (1.4m), 5'3" (1.6m),
5'11" (1.8m), 6'7" (2.0m),
7'3" (2.2m), 7'10" (2.4m)

Beam Angle Adjustment

5°, 10°, 15°, 20°, 25°

Presence Timer

Infinity

Power Supply

12-24V AC or DC \pm 10%

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Power Consumption

(per sensor module)

AC12V-1.1VA, DC12V-60mA

AC24V-1.6VA, DC24V-35mA

Output Contact

Form C Relay; DC50V 0.1A Non
Voltage 1C

Inhibit Input

DC12-24V±10%; Inhibited when
Voltage is Applied

Response Time

<50mSec.

Delay Hold Time

0.5, 1, 2, 4.5 sec.

Temperature Range

-4°F to 140°F (-20°C to 60°C)

Weight

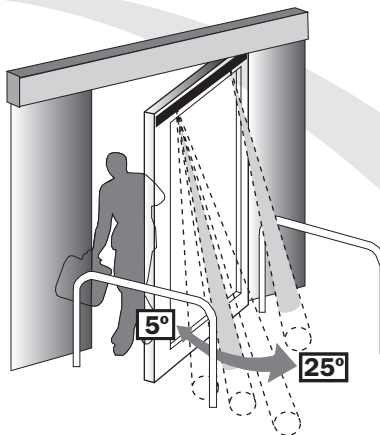
1.8 lbs. (0.8 kg)

Color

Black

DETECTION AREA

Detection Angle can be changed
from 5°-25°, in 5° steps, using
Angle Stabilizer.



* SSS-1L2 with two sensor
modules is shown

Warranty

A three year warranty is available
from the manufacturer covering
defects in materials and workman-
ship. Contact MS SEDCO for
details.

Maintenance

MS SEDCO recommends that all
maintenance and adjustments be
performed by an AAADM Certified
Technician.

Technical Services

MS SEDCO's staff of factory
trained sales and service person-
nel offer design assistance and
technical support. Local distribu-
tors are also available to assist in
selecting appropriate devices for
specific uses and to provide onsite
installation.

APPLICABLE STANDARDS

American National Standards
Institute (ANSI) - Building Hard-
ware Manufacturers Association
(BHMA) - ANSI/BHMA A156.10,
A156.19, A156.27

Availability & Cost

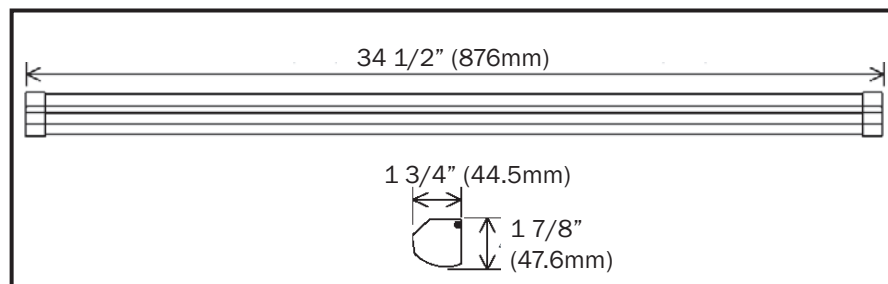
AVAILABILITY

Available internationally from
manufacturer's authorized
distributors; contact MS SEDCO
for the location of nearest distribu-
tor.

COST

Cost information on MS SEDCO
products is available from the
manufacturer's authorized
distributors.

DIMENSIONS



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