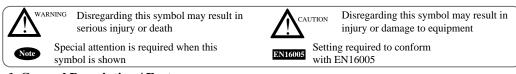


# Safety Sensor for Swing Doors SSS-5

### User Manual (Original)

We would like to thank you for purchasing this product. Before using, please read the following instructions carefully.



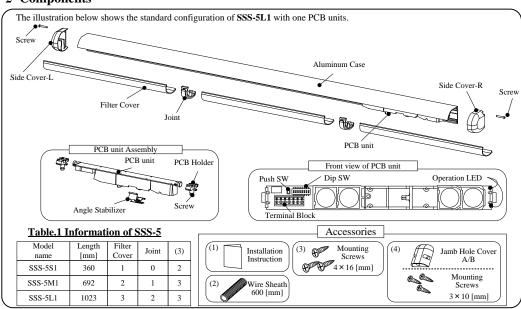
#### 1 General Description / Features

The SSS-5 is a microprocessor controlled active infrared presence detector for swing doors.

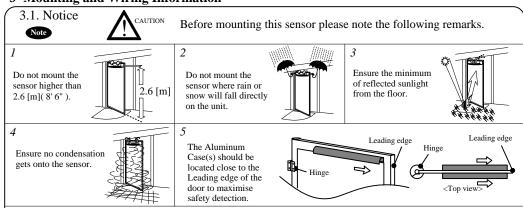
- 6 detection spots per PCB unit provide a wide detection area.
- The detection distance to the floor is set automatically by pressing a Push Switch. - The detection range can be adjusted manually, using dip switches in increments of 50mm
- The relay output can be changed from NO to NC using a dip switch.

### Self diagnostic and monitoring functions are implemented.

#### 2 Components



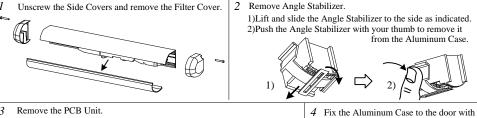
#### 3 Mounting and Wiring Information

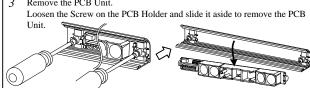


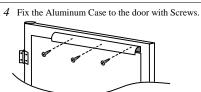
6 Be careful not to drop the sensor, during transportation and installation. It will be caused of breakage failure.



## 3.3 Mounting the Aluminum Case





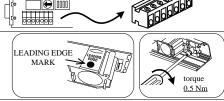


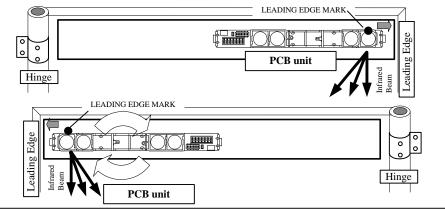
### 3.4 Replacing the PCB unit(s)

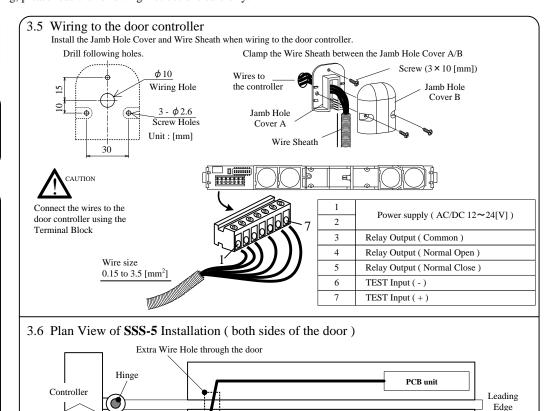
When replacing the units it is very important that the side with "LEADING EDGE" marked on it is inserted so that it is closest to the leading edge of the door. This will ensure maximum safety detection at the door edge.

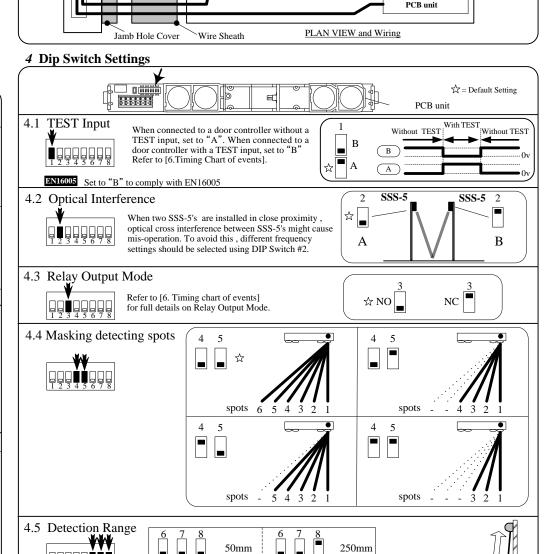


Attach the PCB unit, making sure that the side marked "LEADING EDGE" is closest to the leading edge of the door. Attach the Angle Stabilizer and tighten the screws on the PCB Holders.







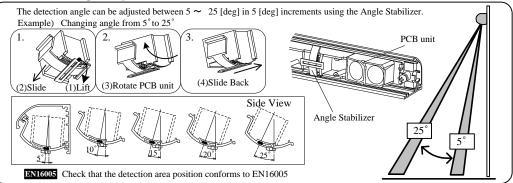




distance (A)

Check that the detection range conforms to EN16005

EN16005



100mm

150mm

200mm

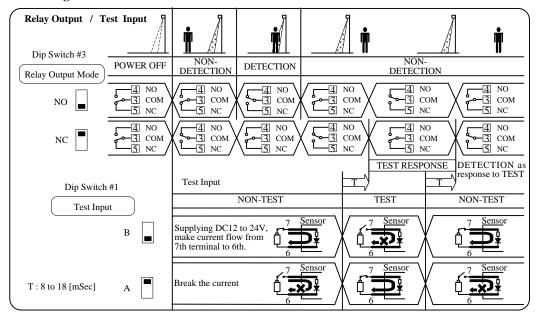
300mm

400mm

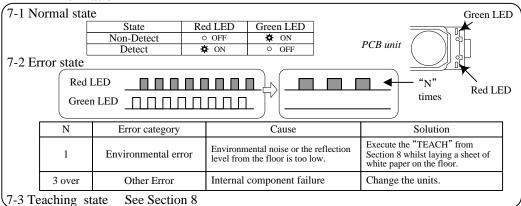
500mm

Non-Detection (A)

#### 6 Timing chart of events



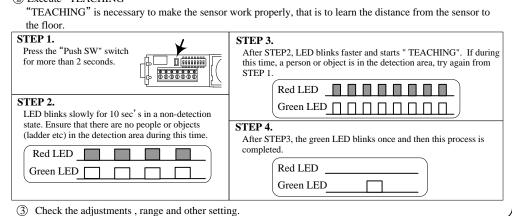
#### 7 LED information



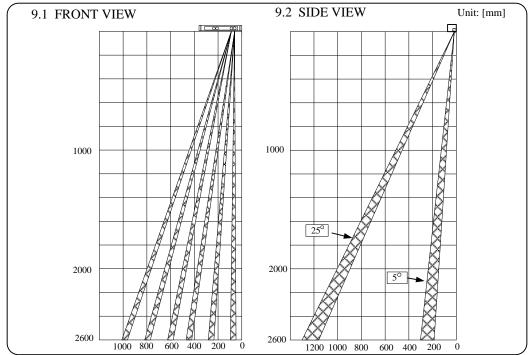
#### 8 Teaching

Conduct the following steps with the Filter Cover off.

- ① Check the wiring connection and supply power.
- ② Execute "TEACHING"



### 9 Detection Area



### 10 Detection Range Check without Filter Cover

Check the detection range without the Filter Cover attached. Put a test object in the detection area to check the detection patterns and other Dip Switch settings. Tests according to local standards should be carried out.

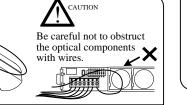
After this check, Turn power off.

**EN16005** Check that the detection area conforms to EN16005

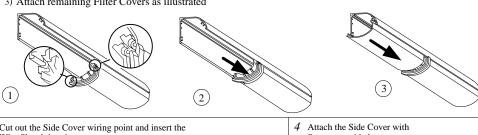
When the test is completed, go to Section 11 to install the Filter Cover and Side Cover. If an error occurs, re-check the settings referring to Section 3.

### 11 Replacing the Filter Cover and Side Cover

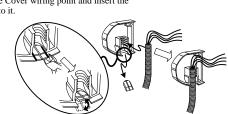
- Installing the Filter Cover: 1) First fit the upper side of the Filter Cover into the full length of the Aluminum Case. 2) Slightly bend the Filter Cover at one end to latch it onto the bottom lip of the Aluminum Case.
- 3) Slide your hand along the bottom lip to lock the Filter Cover onto the Aluminum Case all along the length of the Aluminum

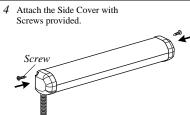


- 2 Attaching the Joint
  - 1) Snap the Joint into the Aluminum Case.
  - 2) Slide the Joint so that it fits snugly into the Filter Cover. Make sure there are no gaps left.
  - 3) Attach remaining Filter Covers as illustrated



3 Cut out the Side Cover wiring point and insert the Wire Sheath into it.





#### 12 Final Detection Range Check

After the Filter Cover is fitted, confirm that the detection range is as expected and conforms with local regulations.

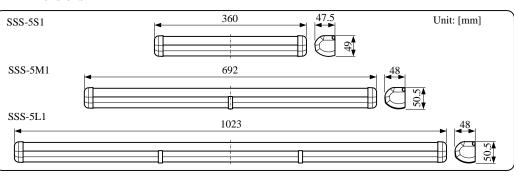
EN16005 Check that the detection area conforms to EN16005



### 13 Technical Data

Safety	y Sensor for Swing Doors	SSS-5
COMPLETE STATIONARY DETECTION with PSD DISTANCE MEASUREMENT		
AC/DC $12 \sim 24[V] \pm 10\%$	BEAM ANGLE ADJUSTMENT	5, 10, 15, 20, 25 [degrees]
95 [mA] @ DC12[V]  CURRENT 55 [mA] @ DC24[V]  1.7 [VA] @ AC12 [V]  2.3 [VA] @ AC24[V]	RESPONSE SPEED	LESS THAN 100 [mSec]
	DIP SW FUNCTIONS	TEST INPUT : 1 [BIT] OPTICAL INTERFERENCE : 1 [BIT] RELAY OUTPUT MODE :1 [BIT]
DC 50V 0.1 [A] NON VOLTAGE 1C		MASKING DETECTING SPOTS:2[BIT] DETECTION RANGE:3[BIT]
6 [mA] Max. at 24 [VDC]		
2.6 [m] Max	OPERATING TEMPERATURE	-20 <b>~</b> +60 [°C]
0 - 2.55 [m] Max	WEIGHT	SSS-5S1: 350[g] APPROX. SSS-5M1: 540[g] APPROX. SSS-5L1: 760[g] APPROX.
	COMPLETE STATIONARY  AC/DC 12~24[V] ±10%  95 [mA] @ DC12[V] 55 [mA] @ DC24[V] 1.7 [VA] @ AC12 [V] 2.3 [VA] @ AC24[V]  DC 50V 0.1 [A] NON VOLTAGE 1C  6 [mA] Max. at 24 [VDC]  2.6 [m] Max	AC/DC 12~24[V] ±10%  BEAM ANGLE ADJUSTMENT  95 [mA] @ DC12[V] 55 [mA] @ DC24[V] 1.7 [VA] @ AC12 [V] 2.3 [VA] @ AC24[V]  DIP SW FUNCTIONS  DC 50V 0.1 [A] NON VOLTAGE 1C  6 [mA] Max. at 24 [VDC]  2.6 [m] Max  O - 2.55 [m] Max

### 14 Dimensions



<Disclaimer> The manufacturer cannot be held responsible for the below.

- 1. Misinterpretation of the installation instructions, miss connection, negligence, sensor modification and inappropriate
- 2. Damage caused by inappropriate transportation.
- 3. Accidents or damages caused by fire, pollution, abnormal voltage, earthquake, thunderstorm, wind, floods and other acts of providence.
- 4. Losses of business profits, business interruptions, business information losses and other financial losses caused by using the sensor or malfunction of the sensor.
- 5. Amount of compensation beyond selling price in all cases.



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