SSS-5: Quick Installation Guide CE

1. MOUNTING THE SSS-5 ON THE DOOR

1/ Unscrew the Side Covers and remove the Filter Cover.

2/ Remove the Angle Stabilizer and loosen the screw on one of the PCB Holders to slide it aside and remove the PCB Unit

PCB Holder
Aluminum Case
PCB Unit
Angle Stabilizer

3/ Attach the Aluminum Case to the door with the screws provided

4/ Reinsert 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.

Leading Edge of Door
LEADING EDGE MARK
torque 0.5 Nm

2. WIRING TO THE DOOR CONTROLLER

1/ Drill Holes as indicated and install the Jamb Hole Cover and Wire Sheath

Jamb Hole Cover A
Jamb Hole Cover B
Screw Holes 3 - ϕ2.6
Wiring Hole ϕ10
Wire Sheath
Wires to the controller
Unit : [mm]

2/ Connect the wires to the door controller using the removal Terminal Block

Terminal Block

1	Power supply (AC/DC 12～
2	24[V])
3	Relay Output (Common)
4	Relay Output (Normal Open)
5	Relay Output (Normal Close)
6	TEST Input (-)
7	TEST Input (+)

3/ Plan view of a typical SSS-5 installation with one sensor on either side of the door

Extra Wire Hole through the door
Controller
Hinge
PCB unit
PCB unit
Jamb Hole Cover
Wire Sheath

3. DIPSWITCH SETTINGS

Test Input

EN16005

Wire as explained in section 2.2 above and set to "B" to comply with EN16005

B
A
Without TEST   With TEST   Without TEST
B
A
0v
0v
1

Optical Interference

To avoid cross interference between two sensors in close proximity different frequency settings should be selected

A
2
SSS-5   SSS-5
B
2

Relay Output Mode

☆NO   NC
3   3

Masking Detection Spots

☆
4 5   4 5   4 5   4 5
6 5 4 3 2 1   6 5 4 3 2 1   6 5 4 3 2 1   6 5 4 3 2 1

Setting Non-Detection Distance

Set Non-Detection distance (A)

EN16005

Check that the detection range conforms to EN16005

Detection
Door Leaf
(A)

| 6 7 8 | 6 7 8 | 6 7 8 | 6 7 8 | 6 7 8 | 6 7 8 | 6 7 8 | 6 7 8 |
| 50mm | 100mm | 150mm | 200mm | 250mm | 300mm | 400mm | 500mm |

4. DETECTION ANGLE ADJUSTMENT

The detection angle can be adjusted between 5 - 25 [deg] in 5 [deg] increments using the Angle Stabilizer.

1.   2.   3.
(2)Slide (1)Lift   (3)Rotate PCB unit   (4)Slide Back

Side View
25°   5°

5°   10°   15°   20°   25°

5. LED

Standby:	GREEN LED ON
Detecting:	RED LED ON
Environmental Error:	Fast alternate RED/GREEN LED followed by 1 flash of RED LED. If this happens execute the TEACH function again with a white sheet of paper on the ground.
Internal Sensor Failure:	Fast alternate RED/GREEN LED followed by 3 flashes of the RED LED

6. TEACHING

TEACHING" is necessary so that the sensor can learn the distance from the sensor to the floor.

1/ Clear the detection area
2/ Press the "Push SW" switch for 2s or more
3/ GREEN & RED LED flashes slowly for 10s, followed by faster frequency flashes indicating that TEACHING is been executed (If during this time, a person or object is in the detection area, try again from STEP 1.)
4/ Green LED flashes once to indicate that the TEACHING process is complete
5/ Verify the detection area for conformity to local regulations

7. REPLACE FILTER COVER

Install 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 in place

Attach the Joint

1   2   3

Snap the Joint into Aluminum Case.
Slide the Joint so that it fits snugly into the Filter Cover.
Attach remaining Filter Cover as illustrated

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

Attach the Side Cover with Screws provided.

Screw

8. FINAL DETCTION 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