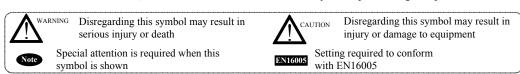


Safety Sensor for Swing Doors SSS-5SI SSS-5MI C €

COMPLIED STANDARDS DIN18650-1:2010 EN 12978:2003 +A1:2009 EN16005:2012 EC type examination 44 205 13738001

User Manual (Original)

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

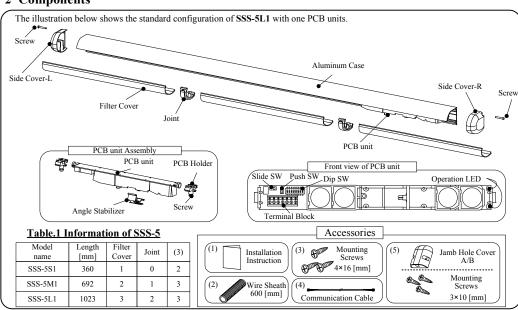


1 General Description / Features

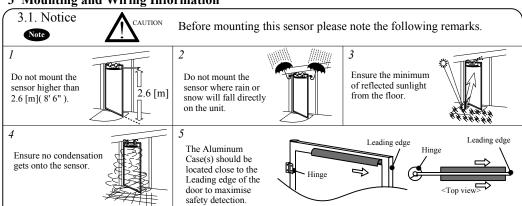
The SSS-5 is a microprocessor controlled active infrared presence detector for swing doors.

- 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

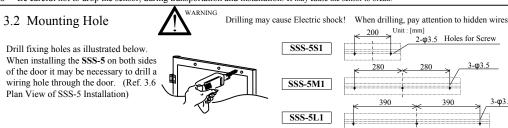
2 Components



3 Mounting and Wiring Information



6 Be careful not to drop the sensor, during transportation and installation. It may cause the sensor to break.



3.3 Mounting the Aluminum Case



Remove Angle Stabilizer. 1)Lift and slide the Angle Stabilizer to the side as indicated 2) Push the Angle Stabilizer with your thumb to remove it

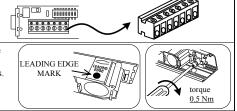


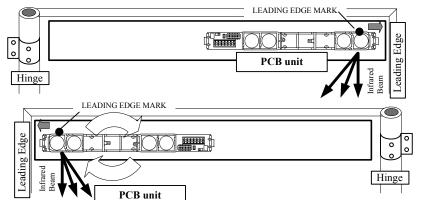
3.4 Replacing the PCB unit(s)

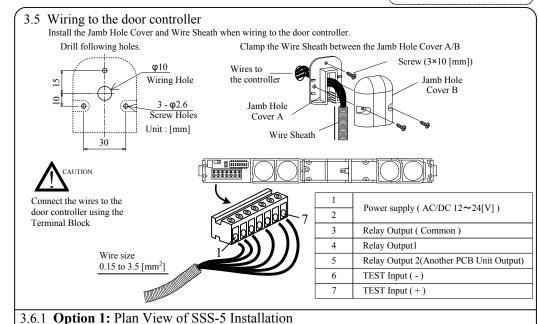
When replacing the PCB unit it is very important that the side with "LEADING EDGE" marked on it is inserted so that it is closest to the leading edge of the door. This will ensure maximum pedestrian safety at the door edge.

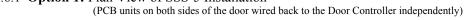


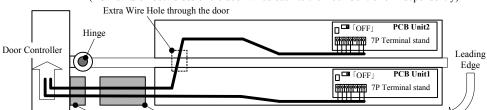
2 Insert the PCB unit into the Aluminum Case, making sure that the side marked "LEADING EDGE" is closest to the leading edge of the door. Attach the Angle Stabilizer and tighten the screws on the PCB Holders.







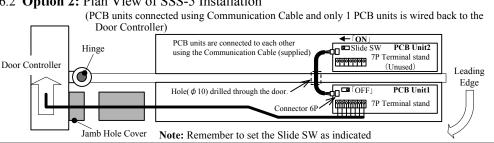




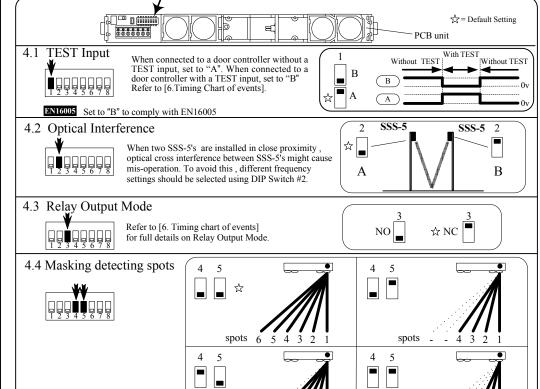
PLAN VIEW and Wiring

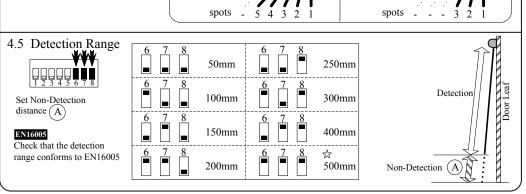
3.6.2 **Option 2:** Plan View of SSS-5 Installation

Jamb Hole Cover

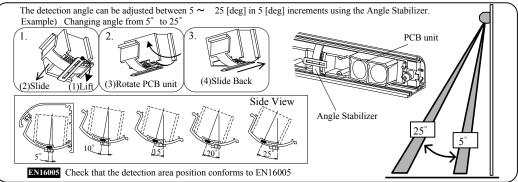




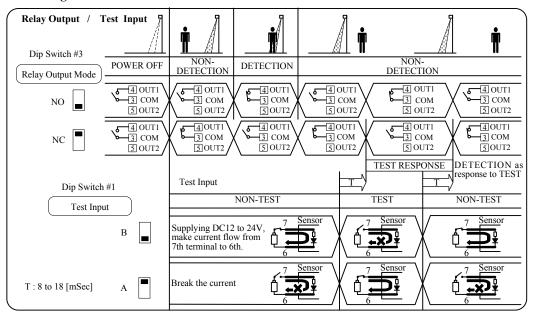




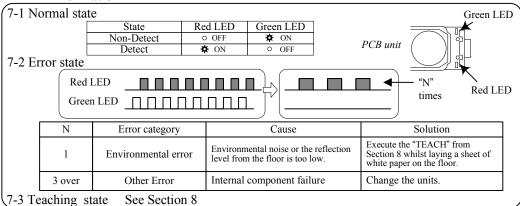
5 Detection Angle Adjustment



6 Timing chart of events



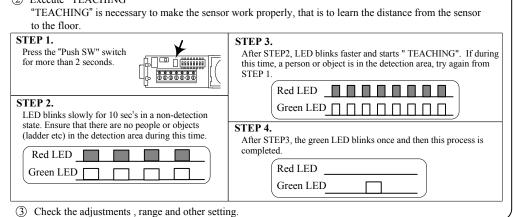
7 LED information



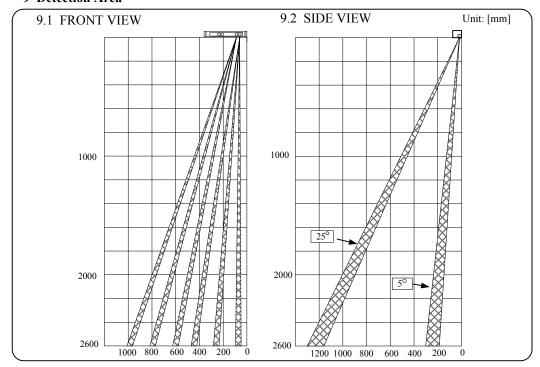
8 Teaching

Conduct the following steps with the Filter Cover off.

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



9 Detection Area



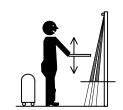
10 Detection Range Check without Filter Cover

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.



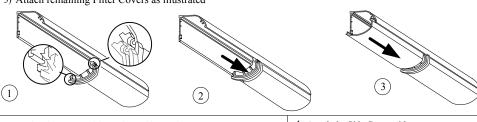
11 Replacing the Filter Cover and Side Cover

- 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

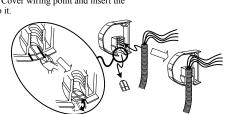


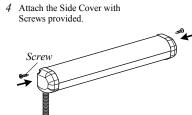
2 Attaching the Joint

- 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.

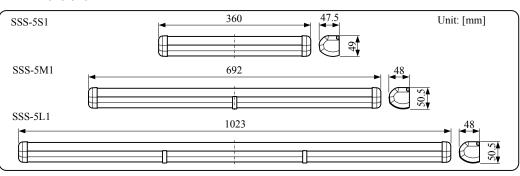
EN16005 Check that the detection area conforms to EN16005



13 Technical Data

13 Technical Data			
MODEL	Safety Sensor for Swing Doors		SSS-5
TECHNOLOGY	COMPLETE STATIONARY DETECTION with PSD DISTANCE MEASUREMENT		
POWER SUPPLY	AC/DC 12~24[V] ±10%	BEAM ANGLE ADJUSTMENT	5, 10, 15, 20, 25 [degrees]
CURRENT CONSUMPTION	95 [mA] @ DC12[V] 55 [mA] @ DC24[V] 1.7 [VA] @ AC12 [V] 2.3 [VA] @ AC24[V]	RESPONSE SPEED	LESS THAN 100 [mSec]
			TEST INPUT : 1 [BIT] OPTICAL INTERFERENCE : 1 [BIT] RELAY OUTPUT MODE :1 [BIT] MASKING DETECTING SPOTS:2[BIT] DETECTION RANGE:3[BIT]
RELAY OUTPUT	OPTO RELAY 1A (NON POLE) DC 50[V] 0.1[A] (RESISTANCE LOAD)		
TEST INPUT	6 [mA] Max. at 24 [VDC]	OPERATING TEMPERATURE	-20 ~ +60 [° C]
MOUNTING HEIGHT	2.6 [m] Max	WEIGHT	SSS-5S1: 350[g] APPROX.
DETECTION RANGE	0 - 2.55 [m] Max		SSS-5M1: 540[g] APPROX. SSS-5L1: 760[g] APPROX.

14 Dimensions



15. EC DECLARATION OF CONFORMITY

Description of Product:

SSS-5 Safety Sensor for Swing Doors . Complete stationary detection with PSD distance measurement.

Directives Fulfilled: DIRECTIVE 2006/42/EC

EN62061:2005

Machinery Directive

DIN 18650-1:2010 EN12978:2003 +A1:2009

Powered pedestrian doors Part 1: Product requirements. Chapter 5.7.4 Industrial, commercial and garage doors and gates - safety devices for power operated doors

and gates - Requirements and test methods.

Functional safety of electrical/electronic/programmable electronic safety-related systems

EN ISO 13849-1:2008 /AC:2009 Safety of machinery - Safety-related parts of control systems.

EN 16005:2012 Power operated pedestrian doorsets - Safety in use - Requirements and test methods. Chapter 4.6.8 EC type examination No. 44 205 13738001

Above EC Type Directives Certified by: TUV NORD CERT GmbH Langemarckstr.20 45141 Essen Germany Identification No: 0044

Harmonized Standards Used: EN ISO 13849-1:2008/AC:2009 Other Technical Standards Used: DIN 18650-1:2005

Compiler of Technical File (EC Community) David Morgan / Hotron Ireland Ltd. 26 Dublin Street, Carlow, Ireland Ph: +353 5991 40345 Fax: +353 5991 40543

Location of Declaration (Manufacture) Honda Electron Co., Ltd. 1-23-19 Asahi-Cho Machida-City Tokyo, Japan

Teruva Morimoto Director Quality Assurance

Declaration made by Date 30 September 2015

<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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