

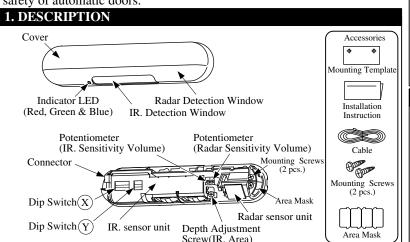


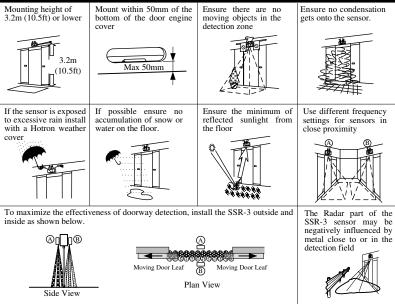
COMPLIED STANDARDS EN 12978:2003+A1:2009 EN 16005:2012+AC:2015 DIN 18650-1:2010 EN ISO 13849-1:2015 EC type examination 44 205 13738005

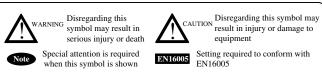
User Manual (Original)

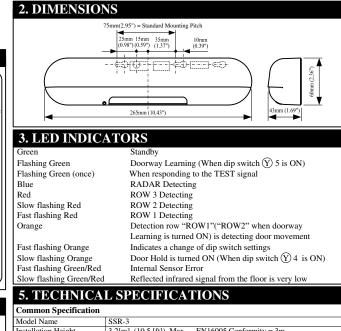
4. MOUNTING PRECAUTIONS

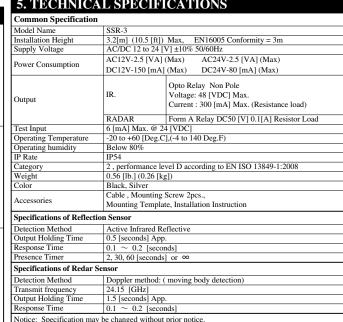
Combined motion and presence detection sensor for the activation and safety of automatic doors.

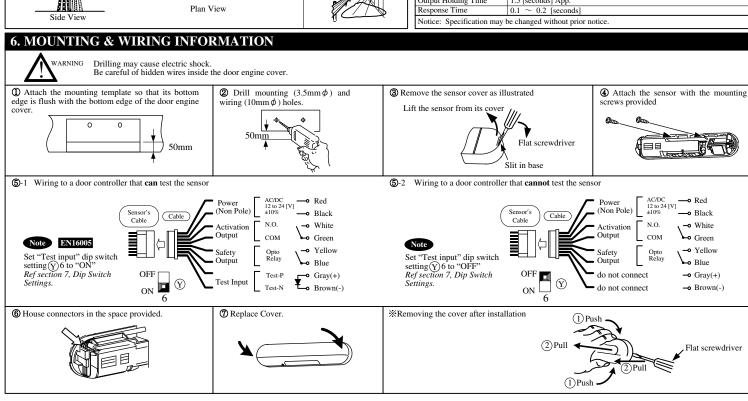


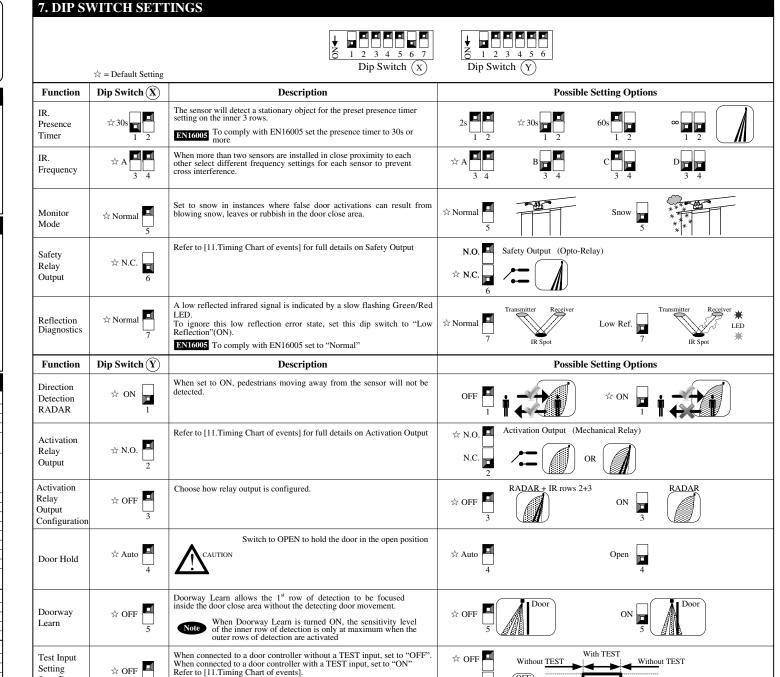


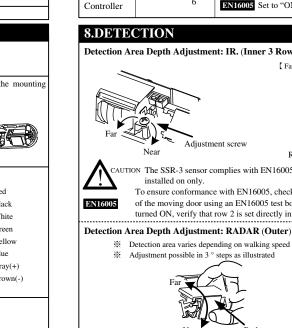




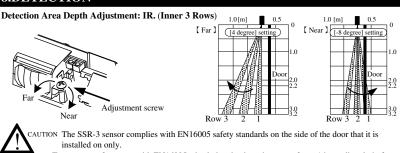








from Door



EN16005 Set to "ON" to comply with EN16005

Detection Area Width Adjustment: IR. (Inner 3 Rows)

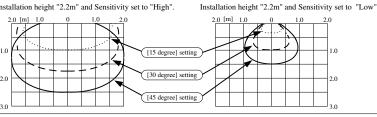
To ensure conformance with EN16005, check that the detection area of row 1 is set directly in front of the moving door using an EN16005 test box, or a Hotron Beam Finder. If "Doorway Learn" is turned ON, verify that row 2 is set directly in front of the moving door in the same way

Installation height "2.2m" and Sensitivity set to "High'

Radar sensor unit

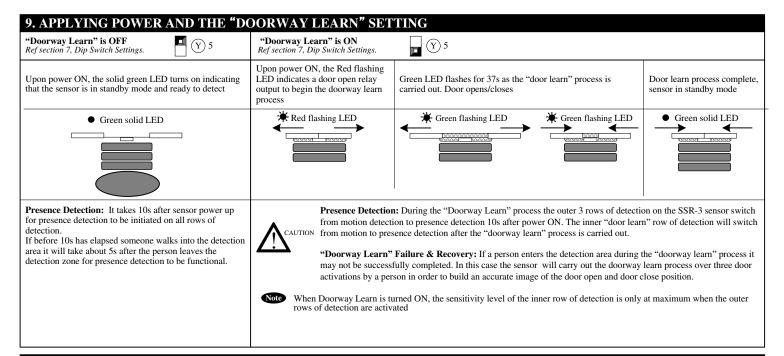
Detection area varies depending on walking speed

Adjustment possible in 3 ° steps as illustrated.



ON

The above illustrated detection areas represent the actual position of the infrared and radar beams. The actual detection area observed will vary depending on the sensor installation environment, objects been detected and sensor settings. Please ensure that the detection area is set to conform to ENI6005.

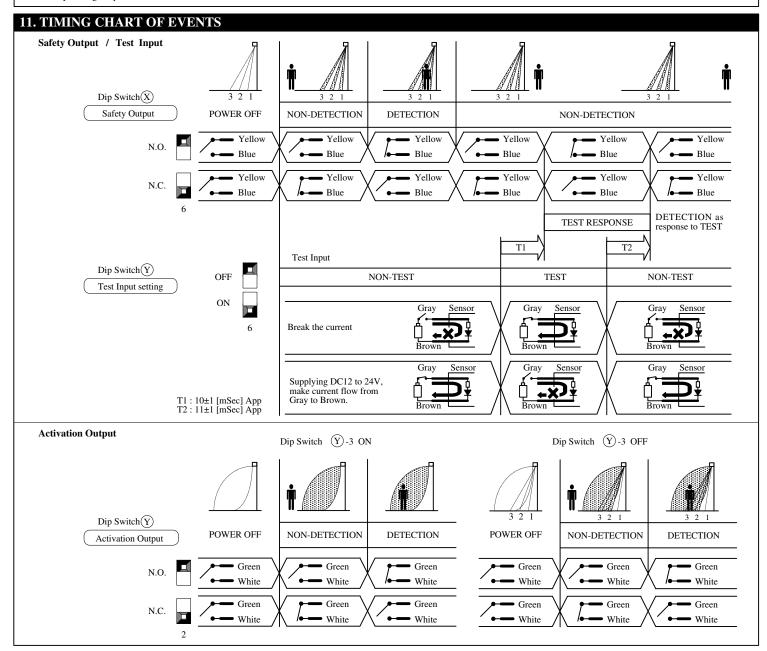


10. VERIFICATION OF OPERATION

After installation is completed "walk test" the sensor detection area. If the detection area is not as expected adjust the detection area as referred to in section 8

If the detection area is still not as expected then the sensor sensitivity can be increased by turning the potentiometer clockwise. When the sensor detects even though there is nothing in the detection area the sensor sensitivity can be decreased by turning the potentiometer in the anti-clockwise direction.



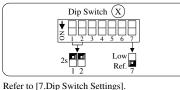


12. DOOR MAINTENANCE WORK

When carrying out door maintenance work with power applied to the sensor on door controllers that are wired to "test" the sensor ensure to set the dip switches as below.

remember to return the dip switch settings to their original state once door maintenance work has been carried out.

Dip Switch (X)



13. SELF DIAGNOSTICS ERRORS

 $Technical\ problems\ with\ the\ SSR-3\ sensor\ are\ indicated\ by\ a\ flashing\ Green/Red\ LED.\ The\ frequency\ of\ flashing\ indicates\ the\ type\ of\ problem\ as\ explained\ below$

Flash Frequency	LED	Cause
Fast	Green * * * * * * * * * * * * * * * * * *	Please replace the sensor.
Slow	Green	Confirm that the sensitivity potentiometer is set to maximum and re-power the sensor. If the error persists, set Dip Switch (X)7 to "Low Reflection".

14. TROUBLESHOOTING							
Problem	LED Status	Possible Cause	Solution				
Door does not open when a	OFF	Sensor Connector not connected correctly	Tighten or reconnect the connector.				
person enters the detection		Incorrect power supply voltage	Apply proper voltage to the sensor. (AC/DC 12-24V)				
area		Incorrect sensor wiring	Double check sensor wiring				
	Door Opens BLUE or RED or	Object moving in the detection area	Remove the moving object from detection area.				
		Sensitivity too high for the installation environment	Reduce the sensor sensitivity setting				
Door opens and closes for no apparent reason (Ghosting)	RED FAST FLASH	Dust, frost or water droplet on the sensor lens	Wipe the sensor lens clean and install a weather cover if necessary				
	RED SLOW FLASH Door Closes	Detection area overlaps with that of another sensor	Ensure different frequency setting for each sensor, and adjust to overlap the radar area using the angle and volume.				
	GREEN	Detection of falling snow, insects, leaves etc	Turn monitor mode Dip switch				
When Door opens or closes, LED ORANGE	OREANGE	Detection row "ROW1" ("ROW2" when "Doorway Learn" is turned ON) is focused too close to the door.	Adjust detection depth for Inner 3 rows away from the door.				
	RED or RED FAST FLASH or RED SLOW FLASH	Detection area changed, while ∞ infinity presence timer setting is in use	Re-power the sensor or change the presence timer settings to 30 or 60 secs				
		Incorrect sensor wiring	Double check sensor wiring				
		Reflected signal saturation	Remove highly reflective objects from the detection area, or lower the sensor sensitivity setting				
	BLUE	Moving objects in the radar area	Eliminate moving objects				
Door opens and remains in the open position	GREEN/RED FAST FLASH	Internal sensor error	Replace the sensor				
	GREEN/RED SLOW FLASH	Reflection of the transmitted infrared signal from the floor is too low	Increase sensor sensitivity or change the "Reflection Diagnostics" Dip switch 🛈 7 from "Normal" to "Low Ref"				
	ORANGE SLOW FLASH	Door Hold (Dip switch	Turn "Door Hold" Dip switch \$\overline{Y}\$ 4 to Auto				

15. SSR-3 EU DECLARATION OF CONFORMITY							
Compiler of Technical File (EC Community) David Morgan Hotron Ireland Ltd. 26 Dublin Street, Carlow, Ireland Ph: +353 5991 40345 Fax: +353 5991 40543	Description of Product: SSR-3 Combined motion and presence detection sensor for the activation and safety of automatic doors. Technology used is Active Infrared Technology and Doppler method: (moving body detection) Technology						
Directives Fulfilled: DIRECTIVE 2006/42/EC DIN 18650-1:2010 Powered pedestrian doors - Part 1: Product requirements and test methods EN12978:2003+A1:2009 Industrial, commercial and garage doors and gates - safety devices for power operated doors and gates - Requirements and test methods. EN ISO 13849-1:2015 Safety of machinery - Safety-related parts of control systems - Part 1:General principles for design (ISO 13849-1:2015) EN 16005:2012+AC:2015 Power operated pedestrian doorsets - Safety in use - Requirements and test methods No. 44 205 13738005							
Above EC Type Directives Certified by: 0044 TÜV NORD CERT GmbH, Division TechnologyAm TÜV1	Harmonized Standards Used: EN ISO 13849-1:2015		Other Technical Standards Used: DIN 18650-1:2010 EN16005:2012 +AC:2015				
Essen 45307 Germany	HOTRON GROUP Honda Electron Co., Ltd. 1-23-19 Asahimachi, Machida-shi, Tokyo 194-0023, Japan	Declaration made by Hitoshi Takagi Director (Quality Assurance)		Date January 11, 2022			

- < Disclaimer > The manufacturer cannot be held responsible for below.
- 1. Misinterpretation of the installation instructions, miss connection, negligence, sensor modification and inappropriate installation.
- 2. Damage caused by inappropriate transportation.

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- 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.

URL: https://hotron.com/

5. Amount of compensation beyond selling price in all cases.



MP-10086-H '22.08