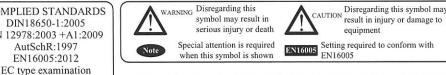
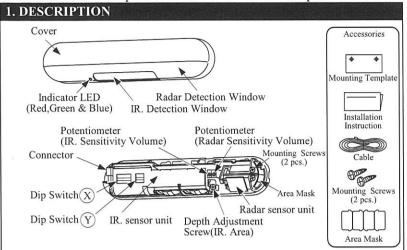
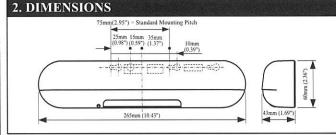
HUTRON English ((() SSR-3V SSR-3P User Manual (Original)

COMPLIED STANDARDS DIN18650-1:2005 EN 12978:2003 +A1:2009 AutSchR:1997 EN16005:2012 EC type examination 44 205 12 414283-001







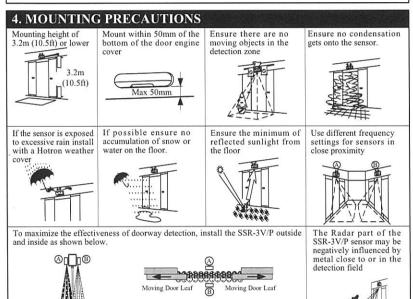


7. DIP SWITCH SETTINGS

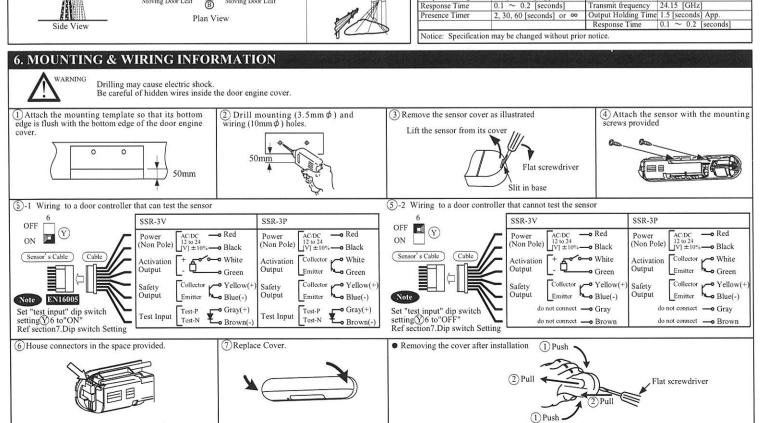
Detection area varies depending on walking speed

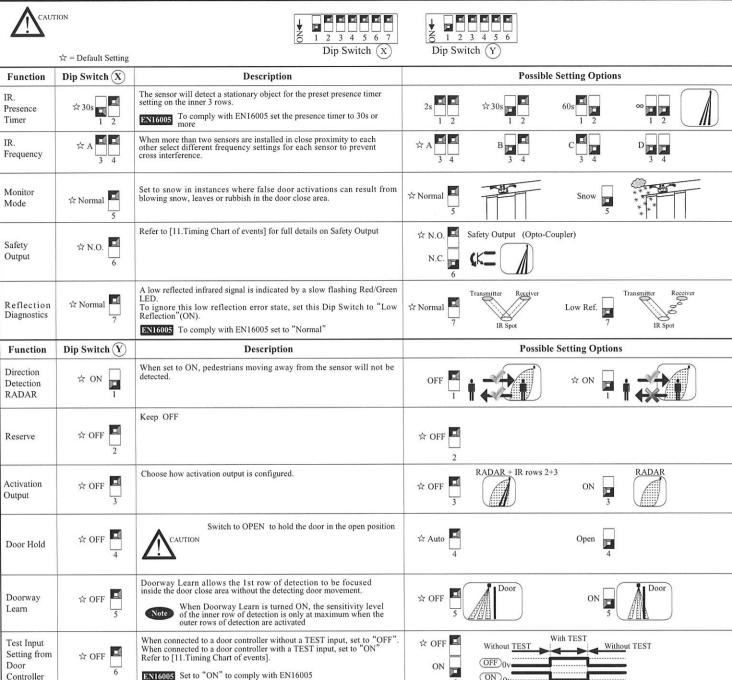
Adjustment possible in 3 ° steps as illustrate

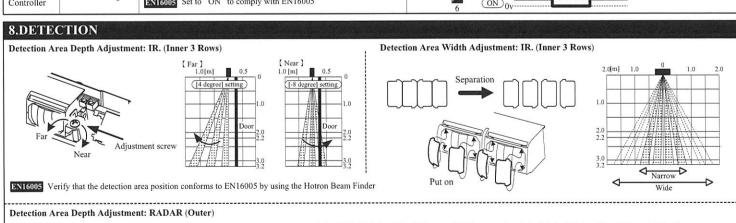
3. LED INDICATORS Standby Doorway Learning (When Dip Switch (Y) 5 is ON) Green blinking RADAR Detecting IR. Detecting / RADAR and IR. Detecting Detection row "ROW1" ("ROW2" when doorway Learning is turned ON) is detecting door movement Orange blinking (Fast) Indicates a change of Dip Switch settings Door Hold is turned ON (When Dip Switch (Y) 4 is ON) Orange blinking (Slow) Green/Red blinking (Fast) Internal Sensor Error Reflected infrared signal from the floor is very low Green/Red blinking (Slow)

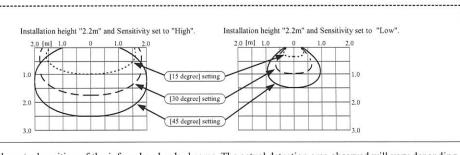




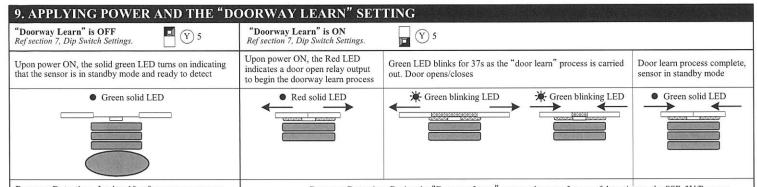








CAUTION The above illustrated detection areas represent the actual position of the infrared and radar beams. The actual detection area observed will vary depending on the sensor installation environment, object been detected and sensor settings. Please ensure that the detection area is set to conform to EN16005



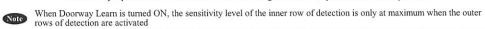
Presence Detection: It takes 10s after sensor power up for presence detection to be initiated on all rows of

If before 10s has elapsed someone walks into the detection area it will take about 5s after the person leaves the detection zone for presence detection to be functional.



Presence Detection: During the "Doorway Learn" process the outer 3 rows of detection on the SSR-3V/P sensor switch from motion detection to presence detection 10s after power ON. The inner "door learn" row of detection will CAUTION switch from motion to presence detection after the "doorway learn" process is carried out.

"Doorway Learn" Failure & Recovery: If a person enters the detection area during the "doorway learn" process it may not be successfully completed. In this case the sensor will carry out the doorway learn process over three door activations by a person in order to build an accurate image of the door open and door close position.



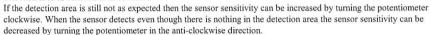
General Caution:

When carrying out the following work, turn off sensor power.

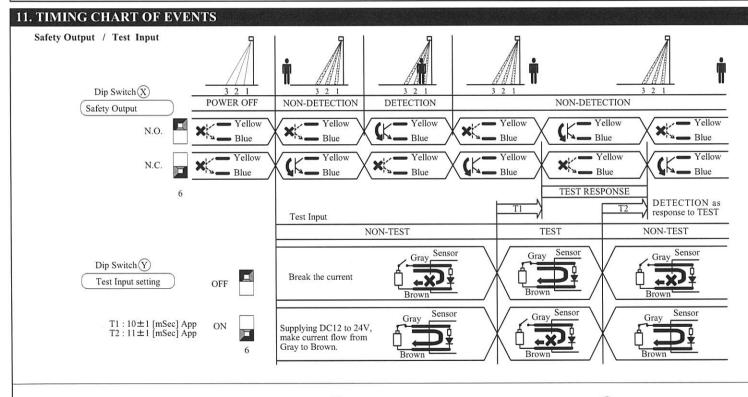
- * When the floor condition is changed by placing a mat on the floor etc.
- * When the detection area pattern or sensor sensitivity is adjusted

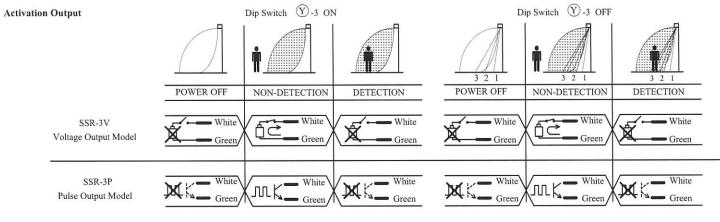
10. VERIFICATION OF OPERATION

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









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

remember to return the Dip Switch settings to their origina state once door maintenance work has been carried out. Dip Switch (X)

Refer to [7.Dip Switch Settings].

13. SELF DIAGNOSTICS ERRORS

Technical problems with the SSR-3V/P 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 X7 to "Low Reflection".		

14. TROUBLESHOOT	ING				
Problem	LED Status	Possible Cause	Solution		
Door does not open when a person enters the detection area	OFF	Sensor Connector not connected correctly	Tighten or reconnect the connector.		
		Incorrect power supply voltage	Apply proper voltage to the sensor. (AC/DC 12-24V)		
		Incorrect sensor wiring	Double check sensor wiring		
	Door Opens RED or BLUE Door Closes GREEN	Object moving in the detection area	Remove the moving object from detection area.		
Door opens and closes for no apparent reason (Ghosting)		Sensitivity too high for the installation environment	Reduce the sensor sensitivity setting		
		Dust, frost or water droplet on the sensor lens	Wipe the sensor lens clean and install a weather cover if necessary		
		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.		
		Detection of falling snow, insects, leaves etc	Turn monitor mode Dip switch \(\bar{X} \) 5 to "snow"		
When Door opens or closes, LED ORANGE	ORANGE	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	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 sec		
		Incorrect sensor wiring	Double check sensor wiring		
		Reflected signal saturation	Remove highly reflective objects from the detection area, or lower the sensor sensitivity setting		
Door opens and remains in the open position	BLUE	Moving objects in the radar area	Eliminate moving objects		
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 blinking (Slow)	Door Hold (Dip switch			

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-3V,SSR-3P 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.				
EN12978:2003 Industrial, commercial and garage	: Product requirements chapter 5.7.4 ge doors and gates - safety devices for power ope ectronic/programmable electronic safety-related s tted parts of control systems.		tequirements and tes	st methods.		
Above EC Type Directives Certified by: TUV NORD CERT GmbH 30519 Hannover Germany	Harmonized Standards Used: EN ISO 13849-1:2008			Other Technical Standards Used: DIN 18650-1:2005 EN16005:2012		
Identification No: 0044	Location of Declaration (Manufacture) Honda Electron Co. Ltd 1-23-19 Asahi-Cho,Machida-City, Tokyo, Japan	Declaration made by Kaoru Musya General Manager	у	Date xxth xxxx,2012		

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

15 SSR-3V SSR-3P FC DECLARATION OF CONFORMITY

- 1. Misinterpretation of the installation instructions, miss connection, negligence, sensor modification and inappropriate installation.
- 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.

HOTRON CO.,LTD. SALES Europe Manufacturer

HOTRON CO.,LTD. 1-11-26 Hyakunin-Cho, Shinjuku-Ku, Tokyo, Japan

Phone: +81-(0)3-5330-9221

Fax: +81-(0)3-5330-9222 URL: http://www.hotron.com Hotron Ireland Ltd.

26 Dublin Street (2nd Floor), Carlow, Ireland

Phone: +353-(0)59-9140345 Fax: +353-(0)59-9140543 URL: http://www.hotron.com

MP-10125-A '13.04