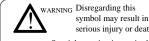
HOTRON English (E (SSR-3 **User Manual (Original)**

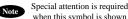
4. MOUNTING PRECAUTIONS

COMPLIED STANDARDS DIN18650-1:2010 EN 12978:2003 +A1:2009

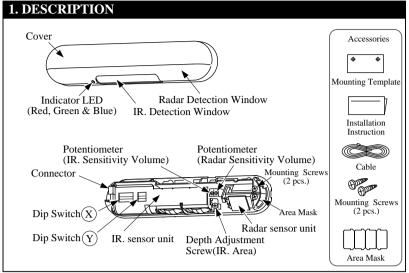


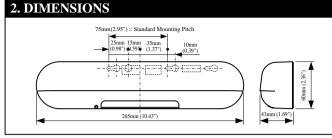
Disregarding this symbol may











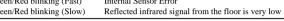
3. LED INDICATORS

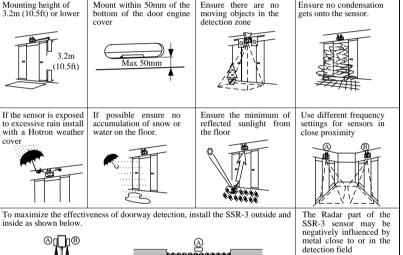
Doorway Learning (When dip switch (\widehat{Y}) 5 is ON) Green blinking RADAR Detecting IR. Detecting / RADAR and IR. Detecting Red

Detection row "ROW1" ("ROW2" when doorway Orange Learning is turned ON) is detecting door movement Orange blinking (Fast) Indicates a change of dip switch settings

ange blinking (Slow) Door Hold is turned ON (When dip switch Y4) is ON) een/Red blinking (Fast) Internal Sensor Error

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	ı	Gre

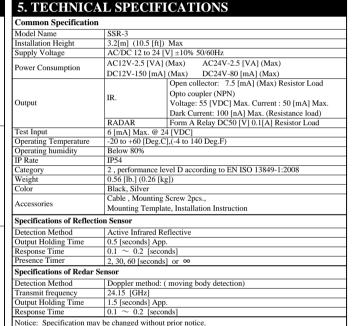


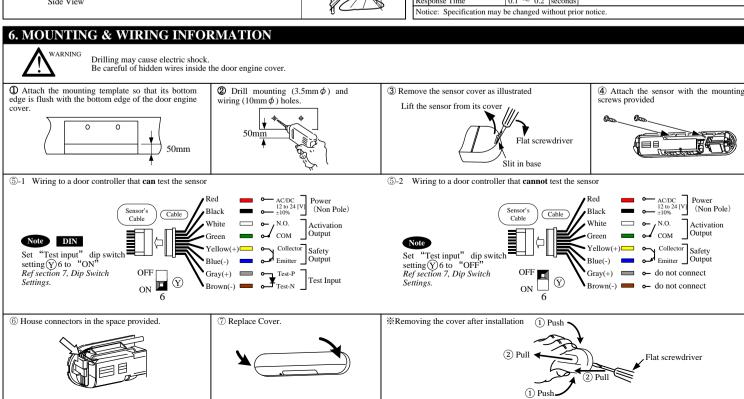


B

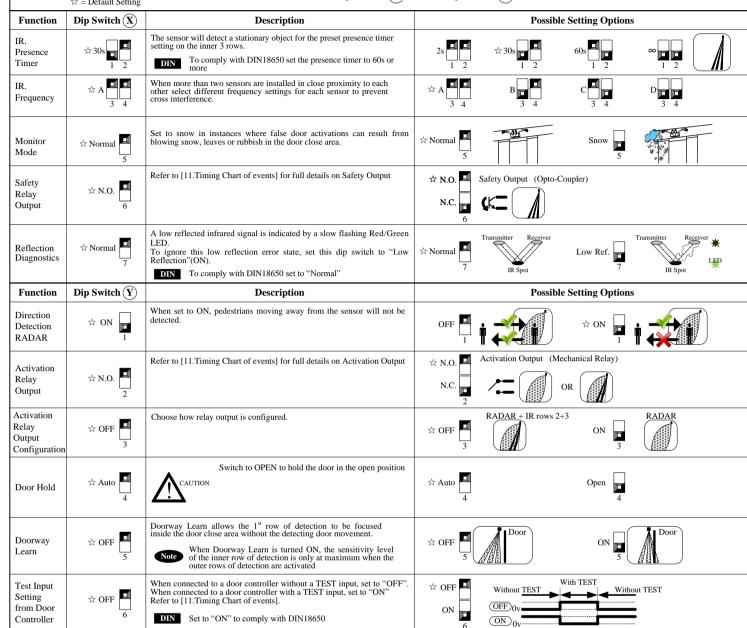
Plan View

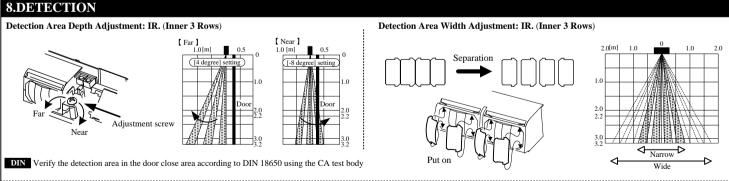
Moving Door Leaf

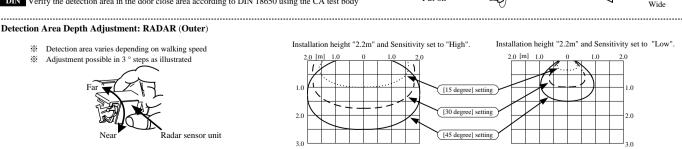




7. DIP SWITCH SETTINGS 1 2 3 4 5 6 7 1 2 3 4 5 6 Dip Switch (X) Dip Switch (Y) ☆ = Default Setting Dip Switch (X) Description

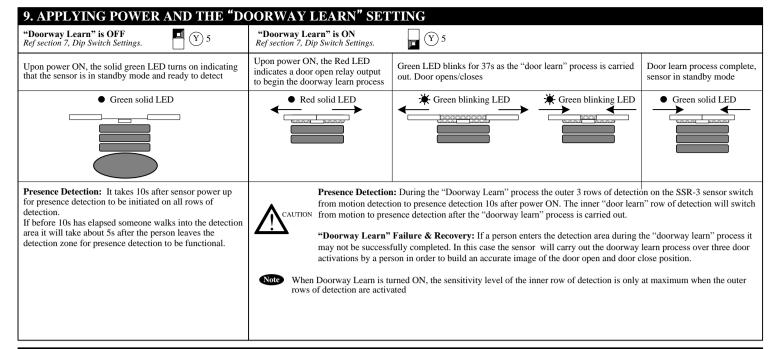






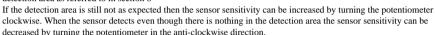
CAUTION

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, objects been detected and sensor settings. Please ensure that the detection area is set to conform to DIN 18650.

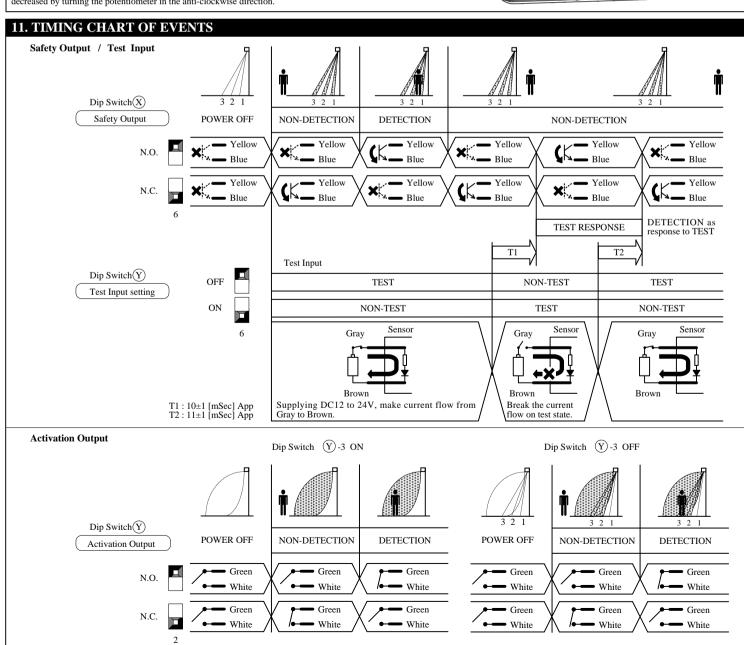


10. VERIFICATION OF OPERATION

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



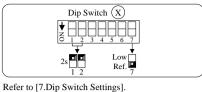




12. DOOR MAINTENANCE WORK

When carrying out door maintenance work with power applied to the sensor on door controllers that are wired to "test" the sensor ensure to 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 X7 to "Low Reflection".

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 and closes for no apparent reason (Ghosting)	Door Opens RED or BLUE Door Closes GREEN	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
		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 & 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.
Door opens and remains in the open position	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 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
	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 (\$\infty\$ 7 from "Normal" to "Low Ref")
	ORANGE blinking (Slow)	Door Hold (Dip switch	Turn "Door Hold" Dip switch

15. SSR-3 EC DECLARATION OF CONFORMITY

We Hotron declare that this sensor complies with all of the applicable EHSRs of Annex I of the Machinery Directive and that the appropriate conformity assessment procedure has been

We, the manufacturer (Honda Electron Co., LTD.) hereby declare that this equipment (Combined Technology Sensor), model SSR-3 is in compliance with the essential requirements and other relevant provisions of Directive R&TTE 1999/5/EC

Compiler of Technical File (EC Community) David Morgan Hotron Ireland Ltd	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				
26 Dublin Street, Carlow, Ireland Ph: +353-(0)59-9140345 Fax: +353-(0)59-9140543	Harmonized Standards Used: EN ISO 13849-1:2008	Other Technical Standards Used: DIN 18650-1:2010			
EC-type examination No. 44 205 401191-000 Certified by: Mo. 0044 TÜV NORD CERT GmbH, Langemarckstr. 20, 45141 Essen, Germany	Declaration made by Reiji Kuwashima Quality Assurance Manager. Honda Electron	Location of Declaration Honda Electron Co., LTD. 1-23-19 Asahi-Cho, Machida-City, Tokyo, Japan	Date 31th of August 2011		
Directives Fulfilled:					

DIRECTIVE 2006/42/EC

DIN 18650-1:2010 Powered pedestrian doors Part 1: Product requirements chapter 5.7.4

EN12978:2003 +A1:2009 Industrial, commercial and garage doors and gates - safety devices for power operated doors and gates - Requirements and test methods

EN62061:2005 Functional safety of electrical/electronic/programmable electronic safety-related systems

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

- < 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.

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



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