

- ③ WALK AWAY FROM THE DETECTION AREA immediately.
- If the sensor can see moving objects during the "learning procedure", the sensor will not proceed to presence detection.



Please DISCONNECT POWER TO THE SENSOR, when carrying out the following work. AFTER THE TASK, APPLY POWER AGAIN. When the floor condition is changed; for example with the addition of of woolen or rubber mat.

2. Adjusting pattern or sensitivity.

(2) DO NOT ENTER DETECTION AREA for 10 SECONDS while the "learning procedure" for Presence detection is carried out.

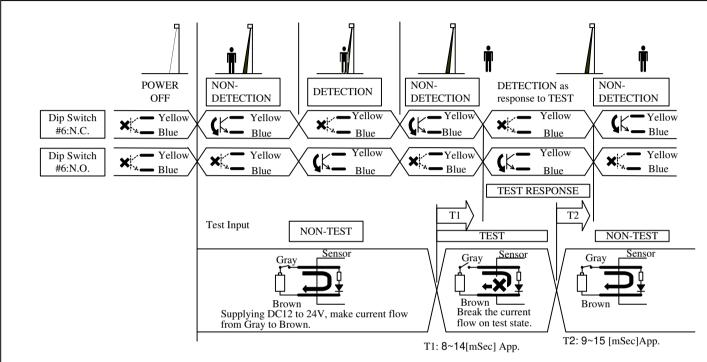
10. VERIFICATION OF OPERATION

- 1. After mounting, setting parameters and applying power, walk test unit to verify detection area.
- 2. If the door does not operate properly, recheck the dip switch settings and pattern adjustments.
- 3. After rechecking, if there is still a problem, adjust the sensitivity.
 - » Adjust high (clockwise) to increase sensitivity.
 - » Adjust low (counter-clockwise) to decrease sensitivity.



As the detection area is variable depending on clothes, floor material and sensitivity adjustment, please confirm that the detection area demanded in EN16005 is secured after adjustment.

11. TIMING CHART OF EVENTS



12. SELF DIAGNOSTICS ERRORS

When the sensor has the self-test error, the green/red LED blinks alternately. The blinking cycle is different, according to the kinds of the error as follows.

LED	Cause	Solution	Response to TEST	Output on Error State
■Fast Blink (Green/Red) Green ※ ※ ※ ※ ※ ※ ※ Red _ ※ ※ ※ ※ ※	Internal error	Please replace the sensor.		DIP Switch #6 : N.O.
Slow Blink (Green/Red) Green * * * Red * *	Low reflection level	Set the sensitivity to maximum, and then reactivate the sensor. If the error continues, set DIP Switch #7 "ON" .	No Response	DIP Switch #6 : N.C.
Slow Blink (Red/Red/Green) Green * Red *	Test line disconnection	Please confirm the connection of the test line.		

13. TROUBLESHOOTING Problems Possible Cause Sensor does not Sensor Connector Tighten connecto operate Power Supply Check that the po Sensor is very dusty or covered in water drops, etc Clean the sensor Sensor intermittently detects Sensitivity too low Turn up sensitivi Detection pattern in the wrong position Alter the detectio Sensitivity too high Turn down Sensit Another sensor is too close by Change the freque Sensor detects the door movement If the indicator L Reactivate the set There is a cloth mat in the monitored area. Sensor detects without obvious reason Detection pattern too far in front of the door, detecting Adjust the detection people passing by The condition of the monitored area is The condition of

ootprints being l •Dusty / Dirty a short times. Refer to Section ' · Snow Fast blink The door kept open, although there is Internal error (Green/Red LED blinks alternately) no object in the detection area Slow blink

14. HR94D1-C1 EC DECLARATION OF CONFORMITY

Compiler of Technical File (EC Community) David Morgan Hotron Ireland Ltd 26 Dublin Street, Carlow, Ireland Ph: +353-(0)59-9140345 Fax: +353-(0)59-9140543	Description of Product: HR94D1-C1 is designed to monitor the side screen of the automatic door. Technology used is Active Infrared Technology			
	Harmonized Standards Used: EN ISO 13849-1:2008	Other Technical Standards Used: DIN 18650-1:2005, EN16005:2012		
Above EC Type Directives Certified by: TUV NORD CERT GmbH 30519 Hannover, Germany Identification No: 0044	Declaration made by Kaoru Musya General Manager. Honda Electron	Location of Declaration Honda Electron Co., LTD. 1-23-19 Asahi-Cho, Machida-City, Tokyo, Japan	Date 9 th of Nov 2012	
Directives Eulfilled.				

Directives Fulfilled: DIRECTIVE 2006/42/EC

Sensitivity

2

ի High

DIN 18650-1:2005 Powered pedestrian doors Part 1: Product requirements chapter 5.7.4

EN12978:2003 Industrial, commercial and garage doors and gates - safety devices for power operated doors and gates - Requirements and test methods. EN42061:2005 Functional safety of electrical/electronic/programmable electronic safety-related systems. EN ISO 13849-1:2008 Safety of machinery - Safety-related parts of control systems. EN 16005:2012

EC type examination 44 205 12 414283-001

< 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.

- 3. Accidents or damages caused by fire, pollution, abnormal voltage, earthquake, thunderstorm, wind, floods and other acts of providence.
- 5. Amount of compensation beyond selling price in all cases.



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Solution
r or reconnect
wer supply is properly connected.
(do not use thinner or alcohol to clean sensor)
ty
n pattern by changing sensor angle, and/or pattern width adjustments
ivity.
ency to each sensor.
ED is an Orange color, adjust the pattern depth angle away from the door
nsor and wait for 10 seconds.
on pattern - move it closer to the door
he monitored area can change due to heavy dust or dirty, heavy snow or ft in fresh snow, this will cause the malfunction sometimes. Set the "Presence Timer" to
Please replace the sensor (Refer to Section 12)
Low reflection error or Test line disconnection (Refer to Section 7, Section 12)

4. Losses of business profits, business interruptions, business information losses and other financial losses caused by using the sensor or malfunction of the sensor.