

#### **12. DOOR MAINTENANCE WORK** 13. SELF DIAGNOSTICS ERRORS When carrying out door maintenance work with power applied to the sensor on door controllers that are wired to "test" the sensor ensure to flashing indicates the type of problem as explained below set the dip switches as below. Flash LED Note remember to return the dip switch settings to their original Frequency state once door maintenance work has been carried out Fast Dip Switch (Y) Dip Switch (X) Red \* \* \* \* \* THHHF Green Ref. Slow Red \* Refer to [7.Dip Switch Settings].

14. TROUBLESHOOT	TING		
Problem	LED Status	Possible Cause	Solution
Door does not open when a person enters the detection	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)
area		Incorrect sensor wiring	Double check sensor wiring
Door opens and closes for no apparent reason (Ghosting) Door		Object moving in the detection area	Remove the moving object from detection area.
	Door Opens RED	Sensitivity too high for the installation environment	Reduce the sensor sensitivity setting
	Door Closes	Dust, frost or water droplet on the sensor lens	Wipe the sensor lens clean and install a weather cover if necessary
	GREEN	Detection area overlaps with that of another sensor	Ensure different frequency setting for each sensor.
		Detection of falling snow, insects, leaves etc	Turn monitor mode Dip switch $\textcircled{O}$ 6 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 $\infty$ 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
	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 $\bigcirc 5$ from "Normal" to "Low Ref"
	ORANGE blinking (Slow)	Setting Mode (Dip switch () 7 set to ON)	Turn OFF the "setting mode" Dipswitch (§) 7
Dip switch settings do not seem to take effect	Not Applicable	Setting Mode, Dip switch $(\widehat{Y})$ 7 not turned ON	Turn the "Setting Mode" Dip switch (1) 7 to ON

## 15. HR100-CT 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 carried out.

Compiler of Technical File (EC Community)	Description of Product:		
David Morgan	HR100-CT Combined motion and presence detection sensor for the activation and safety of automatic doors.		
Hotron Ireland Ltd	Technology used is Active Infrared Technology		
26 Dublin Street, Carlow, Ireland	Harmonized Standards Used:	Other Technical Standards Used:	
Ph: +353-(0)59-9140345 Fax: +353-(0)59-9140543	EN ISO 13849-1:2008	DIN 18650-1:2005	
Above EC Type Directives Certified by: TUV NORD CERT GmbH 30519 Hannover, Germany Identification No: 0044	<b>Declaration made by</b> Kaoru Musya General Manager. Honda Electron	Location of Declaration Honda Electron Co., LTD. 1-23-19 Asahi-Cho, Machida-City, Tokyo, Japan	Date <sup>31th</sup> of May 2011

### **Directives Fulfilled:**

DIRECTIVE 2006/42/I	EC
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
EN62061:2005	Functional safety of electrical/electronic/programmable electronic saf
EN ISO 13849-1-2008	Safety of machinery - Safety-related parts of control systems

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

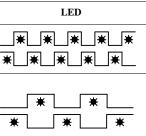
- 1. Misinterpretation of the installation instructions, miss connection, negligence, sensor modification and inappropriate installation.
- 2. Damage caused by inappropriate transportation.
- 3. Accidents or damages caused by fire, pollution, abnormal voltage, earthquake, thunderstorm, wind, floods and 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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Technical problems with the HR100-CT sensor are indicated by a flashing Green/Red LED. The frequency of

Please replace the sensor.



Confirm that the sensitivity potentiometer is set to maximum and re-power the sensor. If the error persists, set Dip Switch (Y) 5 to "Low Reflection".

Cause

or power operated doors and gates - Requirements and test methods afety-related systems

MP-10091-A	'11.09
PRINTED IN	JAPAN