







12. DOOR MAINTENANCE WORK			13. SELF DIAGNOSTICS ERRORS						
When carrying out door maintena	ance work with power	applied to the						by a flashing Gree	en/Red LED. The frequency of
sensor on door controllers that are wired to "test" the sensor ensure to set the dip switches as below.			flashing indic Flash Frequency	ates the type	of problem	LED	ed below.		Cause
Note Reep in mind to return the dip switch settings to their original state once door maintenance work has been carried out. $Dip Switch(X)$ $Dip Switch(Y)$			Fast	Green	* _*	€₩_	*_*	Please replace	the sensor.
$\begin{array}{c} 1 & 2 & 3 \\ \hline \\ 0 & \hline \\ 0 & \hline \end{array}$	$\begin{array}{c} 1 \\ 1 \\ 2 \\ 3 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$			Red 💥	€₩	_ * *	£		
	Low ⁴ Ref. 🗖		Slow	Green	*		*	maximum and If the error per	the sensitivity potentiometer is set to re-power the sensor. sists, set
Refer to [7.Dip Switch Se	ettings].			Red	*	」 ★ [_	*	Dip Switch (Y	4 to "Low Reflection".
14. TROUBLESHOOT	TING								
Problem	LED Status		Possible Cau	ise				Solutio	n
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 Door Closes GREEN	Object moving in the detection area.			Remove the moving object from detection area.				
and alassa for no		Sensitivity too high for the installation environment.				Reduce the sensor sensitivity.			
oor opens and closes for no opparent reason (Ghosting).		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.				
		Detection of falling snow, insects, leaves etc.				Turn monitor mode Dip switch (\mathbb{Z}) 3 to "Snow".			
When Door opens or closes, ED ORANGE.	ORANGE	Detection row "ROW1" ("ROW2" when "Doorway Learn" is turned ON) is focused too close to the door.			Adjust detection depth of Inner 3 rows away from the door.				
		Detection area changed, while ∞ infinity presence timer setting is in use.			Re-power the sensor or change the presence timer settings to 30s or 60 s.				
	RED	Incorrect sensor	-			Double check sensor wiring.			
	KED				Remove highly reflective objects from the detection				
Door opens and remains in the open position.	GREEN/RED	Reflected signal saturation.			area, or lower the sensor sensitivity. Replace the sensor.				
	FAST FLASH	Internal sensor error.			•				
	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 4 from "Normal" to "Low Ref".				
ORANGE blinking (Slow) Door Hold (I		Door Hold (Dip	Dip switch \textcircled{Z} 4 set to Open).			Turn "Door Hold" Dip switch \textcircled{Z} 4 to Auto.			
5. HR100-CT EC DE	CLARATION	OF CONFO	RMITY						
David Morgan H Hotron Ireland Ltd T 26 Dublin Street, Carlow, Ireland Ph: +353-(0)59-9140345 Fax: +353-(0)59-9140543 Ha			escription of Product: HR100-CT Combined motion and presence detection sensor for the activation and safety of automatic doors. Fechnology used is Active Infrared Technology.						
			armonized Standards Used: EN ISO 13849-1:2015			Other Technical Standards Used: DIN 18650-1:2010 EN 16005:2012+AC:2015			
TUV NORD CERT GmbH			eclaration made Feruya Morimoto Director Quality A	primoto			n of Declarat a Electron Co. 19 Asahi-Cho, o, Japan		Date 7 July, 2017
EN12978:2003+A1:2009 Ir EN62061:2005 Fu EN ISO 13849-1:2015 Sa EN 16005:2012+AC2015 EC type examination 44 205 1 Clisclaimer > The manufactu Misinterpretation of the insu	arer cannot be held tallation instructions	and garage doors ectrical/electronic Safety-related par responsible for b	s and gates - safe /programmable ts of control syst relow.	ety devices f electronic sa tems.	or power of afety-relate	ed systems		-	and test methods
 Damage caused by inapprop. Accidents or damages cause. Losses of business profits, b. Amount of compensation be 	ed by fire, pollution business interruption	, abnormal volta							lfunction of the sensor.
HOTRON H	OTRO	N CO.	, LTD)_					

13 SELEDIA CNOSTICS EDDODS



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