-``` <u>`</u>	TI5821en		Те	chnical In	formation	I		the	mok	R	
CRC ²	1- Series (L&M)			ight Sensor a active and Ol					asia p	acific	
The	e CRC1 -Series (L	&M) is designe	ed for light mea	asuring and mo	otion detection	in rooms and	spaces				
The	e sensor have an i	integrated colo	or filter (green f	ilter) which is a	adpated to the						
sensitivity of human eyes											
The	e sensor works wit	h low power s	upply					C	D		
Ligl	ht sensor output is	active									
The Motion output is ON/OFF											
	Compatible w	ith all common	HVAC DDC a	nd Analog Cor	ntrols systems,	with/without B	uilding Aut	tomation Syste	ms		
Use	Light measure	ement and mot	ion detection ir	n Buildings and	l Spaces						
Γ	Used in all common HVAC applications										
	Used in Commercial and Industrial Buildings										
	Sensor with a	ctive output for	r light and pass	sive output for	motion dectect	tion					
	With integrate	d color filter									
Features	Relay switch o	off delay select	iy selectable								
	Professional a	and practical p	roduct design,	withstands rou	ıgh environmei	nmental conditions					
	Easy to use, install and maintain										
Product Range	Model	Power Supply	Light Output	Measuring Ranges (Lux)	Acurracy Light	Motion Output	Delay Time	Detection Specification s	Detection Range	Protectio n	
	CRC1.AG	AC/DC 24V ±10% ; SELV	010V	1.000Lux	±50Lux	24V 1A (resistive), Normally Open (NO)	1sec30min	Cone-shaped detection range, angle 105°, range > 5 m, 444 detection zones	With an installation height of $2,7 \text{ m}$ circular detection range will have a R= 7 m.	IP20 to IEC60529	
Thermokon	Asia Pacific				technical data are subje C1- Series (L&M) V23.1					Page 1/3	

		Measured	Light and Motion		
Sensor Specification		Sensor Characteristics	Light Active		
			Motion Passive, 4-segment PIR		
		Sensor Output (s)	Light 010V		
			Motion NO Relay, max. 24V DC / 1A		
		Switch OFF delay	1sec30min. selectable		
		Accuracy	Light ±50Lux		
			Motion Refer drawings		
		Measuring Range (s)	Light 01000Lux		
		Detection Range	Motion D=2.8m @7m height		
	Electrical Information	Power Supply	AC/DC 24V (±10%)		
		Frequency	50/60 Hz at AC 24V		
		Terminal Clamp	Screw terminal, max. 1.5mm ²		
		Power Consumption	24V; 0.6W / 1.5VA		
	Mechanical Information	Cable Entry	N/A		
		Sensing Element Position	Inside housing		
	User Interface		None		
	Color and Materials	Housing Cover	ABS, RAL 9010 (Pure White)		
		Housing Bottom	ABS, RAL 9010 (Pure White)		
	Environmental Conditions	Operation Temperature	-0+50°C		
		Operation Humidity	<85% r.h., no condensation		
		Transport Temperature	-35+70°C		
E		Transport Humidity	<90% r.h.		
		Storage Temperature	-20+70°C		
		Storage Humidity	< 85% r.h., no condensation		
Technical Information	Norms and Directives	Protection Rating	IP20 to IEC60529		
		Safety Class	III to EN 60730		
Te		Product Standard 1	Automatic Electrical Controls for household and similar use		
		Product Standard 2	2009/EN 60 730-1		
		CE Conformities to	2004/108/EG Electromagnetic Compatibility EMV		
		CE Electromagnetic Compatibility Emitted Interference	2000/EN60730-1 Emitted Interference		
		CE Electromagnetic Compatibility Interference resistance	2000/EN60730-1 Interference Resistance		
		RoHS Compatibility	RoHS 3, Directive 2015/863		
		Operation Climatic Condition	IEC60721-3-3		
		Operation Mechanical Condition	IEC60721-3-3		
		Transport Climatic Condition	IEC60721-3-2		
		Transport Mechanical Condition	IEC60721-3-2		
		Storage Climatic Condition	IEC60 721-3-1		
		Storage Mechanical Condition	IEC60 721-3-1		
'n	Accessories	Accessory not included in delivery	TRA0.A		
Miscellaneous	Shipping & Handling	Minimum Order	1 box with 1 piece		
scella		Package Material	Rigid Cardboards Packaging		
Ē	Order Notes	Order Code	See Product Range, Page 1, e.g. CRC1.AG		

All Information and technical data are subject to alteration CRC1- Series (L&M) V23.1

