
	TI5821en	Technical Information	
CRC1- Series (L&M)	Ceiling Light Sensor and Motion Switch with active and ON/OFF outputs		

The CRC1 -Series (L&M) is designed for light measuring and motion detection in rooms and spaces

The sensor have an integrated color filter (green filter) which is adapted to the

sensitivity of human eyes

The sensor works with low power supply

Light sensor output is active

The Motion output is ON/OFF





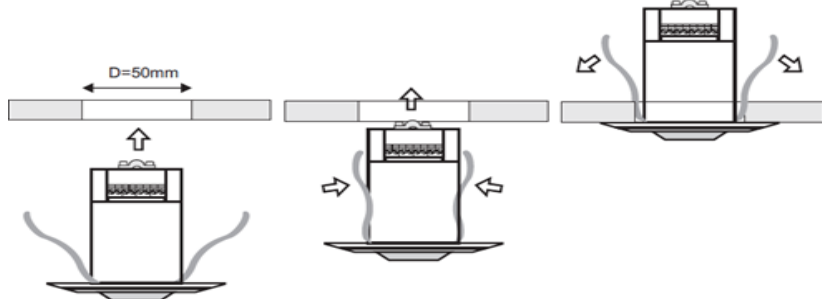


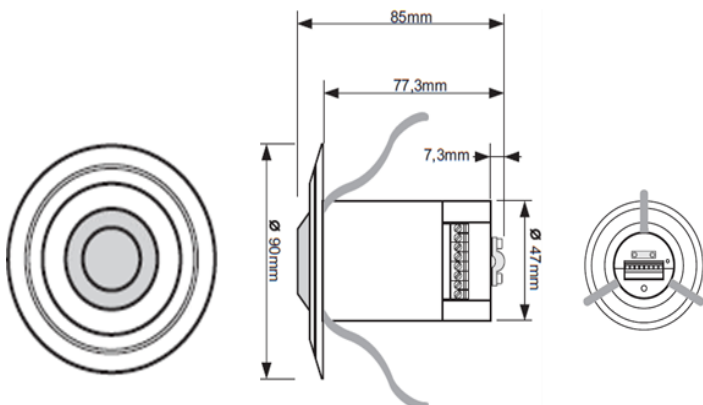
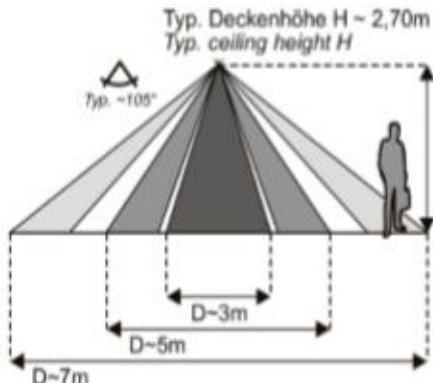
Use	Compatible with all common HVAC DDC and Analog Controls systems, with/without Building Automation Systems
	Light measurement and motion detection in Buildings and Spaces
	Used in all common HVAC applications
	Used in Commercial and Industrial Buildings

Features	Sensor with active output for light and passive output for motion detection
	With integrated color filter
	Relay switch off delay selectable
	Professional and practical product design, withstands rough environmental conditions
	Easy to use, install and maintain

Product Range	Model	Power Supply	Light Output	Measuring Ranges (Lux)	Accuracy Light	Motion Output	Delay Time	Detection Specifications	Detection Range	Protection
	CRC1.AG	AC/DC 24V ±10% ; SELV	0...10V	1.000Lux	±50Lux	24V 1A (resistive), Normally Open (NO)	1sec ...30min	Cone-shaped detection range, angle 105°, range > 5 m, 444 detection zones	With an installation height of 2,7 m circular detection range will have a R= 7 m.	IP20 to IEC60529

Sensor Specification	Sensor Specification	Measured	Light and Motion
		Sensor Characteristics	Light Active
			Motion Passive, 4-segment PIR
		Sensor Output (s)	Light 0...10V
			Motion NO Relay, max. 24V DC / 1A
		Switch OFF delay	1sec...30min. selectable
		Accuracy	Light ±50Lux
			Motion Refer drawings
Technical Information	Electrical Information	Measuring Range (s)	Light 0...1000Lux
		Detection Range	Motion D=2.8m @7m height
	Mechanical Information	Power Supply	AC/DC 24V (±10%)
		Frequency	50/60 Hz at AC 24V
		Terminal Clamp	Screw terminal, max. 1.5mm²
		Power Consumption	24V; 0.6W / 1.5VA
	User Interface	Cable Entry	N/A
		Sensing Element Position	Inside housing
	Color and Materials		None
		Housing Cover	ABS, RAL 9010 (Pure White)
	Environmental Conditions	Housing Bottom	ABS, RAL 9010 (Pure White)
		Operation Temperature	-0...+50°C
		Operation Humidity	<85% r.h., no condensation
		Transport Temperature	-35...+70°C
	Norms and Directives	Transport Humidity	<90% r.h.
		Storage Temperature	-20...+70°C
		Storage Humidity	< 85% r.h., no condensation
		Protection Rating	IP20 to IEC60529
		Safety Class	III to EN 60730
		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 2011/65/EC
		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
Miscellaneous	Accessories	Accessory not included in delivery	TRA0.A
	Shipping & Handling	Minimum Order	1 box with 1 piece
		Package Material	Rigid Cardboards
	Order Notes	Order Code	See Product Range, Page 1, e.g. CRC1.AG

All Information and technical data are subject to alteration

Advices	<div> <div> <div>Installation Notes</div> <div>  <div>Caution</div> </div> </div> <div> <div>Observe the following general regulation for engineering and implementation:</div> <div> <div>All relevant national and heavy power regulations</div> <div>Other country specific regulations</div> <div>Country-specific regulations</div> <div>Local electrical supply authority regulation</div> <div>Schematics, cable listings, dispositions, specification and arrangements from the customer or engineering office in charge</div> <div>Third party specifications, e.g. general contractors or constructors</div> </div> </div> </div>																
	<div> <div> <div>Mounting Advices</div> <div>  <div>Caution</div> </div> </div> <div>  </div> </div>																
	<div> <div> <div>Disposal Notes</div> <div>  </div> </div> <div> <div>The device is considered an electronic device for disposal in terms of the EUROPEAN DIRECTIVE 2012/19/EU.</div> <div>The device may not be disposed as domestic garbage.</div> <div>The device must be disposed through channels provided for this purpose.</div> <div>It is mandatory to comply with local currently applying laws and regulations.</div> </div> </div>																
Connections & Settings	<div> <table border="1"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr> <tr> <td>UB+</td><td>AC/DC24V</td><td></td><td>Out Light 0...10V</td><td></td><td>GND</td><td>NO Relay Output 1</td><td>NO Relay Output 2</td></tr> </table> <div> <div>30min</div> <div>+</div> <div></div> <div>1sec</div> <div>-</div> </div> <div>Variable delay time for motion detection 1s...30min</div> </div>	1	2	3	4	5	6	7	8	UB+	AC/DC24V		Out Light 0...10V		GND	NO Relay Output 1	NO Relay Output 2
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Dimensional Drawing / Detection Range	<div> <div>  </div> <div>  </div> </div>																
<div> <div> <div>Thermokon Asia Pacific</div> <div>All Information and technical data are subject to alteration</div> <div>CRC1- Series (L&M) V20.1</div> <div>Page 3/3</div> </div> </div>																	