



TI

Technical Information



Outdoor Light Sensor with active output

The Series is designed for light measuring in outdoor areas,
plant rooms production plants and warehouses

The sensor has multiple measuring ranges on board

The sensor has an integrated color filter, adapting the sensitivity of human eyes

The sensor works with low power supply

Light sensor output is active



Sensor Specifications	Sensor Specification	Measured	Light	
		Sensor Output (s)		See Product Range, Page 1
	Accuracy		±5% of measuring range	
	Measuring Range (s)		0...1.000Lux / 1.000fc	
	Optiona Measuring Range (s)		0...200Lux ; 0...2.000Lux ; 10.000Lux ; 0...20.000Lux ; 0...50.000Lux	
			0...200fc ; 0...2.000fc ; 10.000fc ; 0...20.000Lfc ; 0...50.000fc	
Technical Information	Electrical Information	Power Supply	AC/DC 24V (±10%) ; SELV	
	Frequency		50/60 Hz at AC 24V	
	Terminal Clamp		Screw terminal, max. 1.5mm ²	
	Power Consumption		24V; 0.15W / 0.5VA	
	Mechanical Information	Cable Entry		M20 for wire conductor D=8mm
	Sensing Element Position		Top of housing	
	User Interface	n.a.		n.a.
	Color and Materials	Housing Cover		ASA, RAL 9010 (Pure white)
	Housing Bottom		ASA, RAL 9010 (Pure white)	
	Environmental Conditions	Operation Temperature		-20...+70°C
	Operation Humidity		<85% r.h., no condensation	
	Transport Temperature		-35...+70°C	
	Transport Humidity		<90% r.h.	
	Storage Humidity		< 85% r.h., no condensation	
	Norms and Directives	Protection Rating		IP65 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 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		

Product Range	Model	Power Supply	Output	Measuring Ranges	Accuracy Light	Protection
	EXT-TN-1071511	AC/DC 24V (±10%) ; SELV	0...10V / 0...5V	0...1000Lux* ; 0...200Lux ; 0...2.000Lux 10.000Lux ; 0...20.000Lux ; 0...50.000Lux	±5% of measuring range	IP65 to IEC60529
EXT-TN-1071528	4...20mA		0...1000fc* ; 0...200fc ; 0...2.000fc 10/000fc ; 0...20.000Lfc ; 0...50.000fc			

* default Value

All information and technical data are subject to alteration

Installation Notes

All relevant national and heavy power regulation



Other country specific regulations

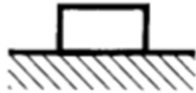
Country-specific regulations

Local electrical supply authority regulations

Schematics, cable listings, dispositions, specification and arrangements from the customer or engineering office in charge

Third party specifications, e.g. general contractors or constructors

Mounting Advices



The sensor must be mounted directly on the surface

Disposal Notes



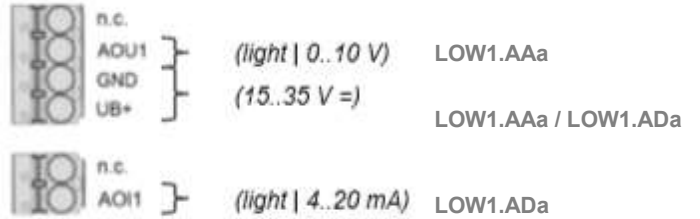
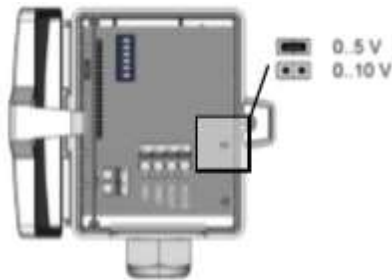
The device is considered an electronic device for disposal in terms of the EUROPEAN DIRECTIVE 2012/19/EU

The Device may not be disposed as domestic garbage

The device must be disposed through channels provided for this purpose

It is mandatory to complying with local currently applying laws and regulations

Connection Plan



DIP- Settings

DIP4 & 5 are not in use

Measuring range light - DIP 1..3

<p>ON</p> <p>#0 (factory default)</p> <p>SI = 0..1 kLux</p> <p>IMP = 0..100 fc</p>	<p>ON</p> <p>#1</p> <p>SI = 0..0,2 kLux</p> <p>IMP = 0..20 fc</p>
<p>ON</p> <p>#2</p> <p>SI = 0..2 kLux</p> <p>IMP = 0..200 fc</p>	<p>ON</p> <p>#3</p> <p>SI = 0..10 kLux</p> <p>IMP = 0..1000 fc</p>
<p>ON</p> <p>#4</p> <p>SI = 0..20 kLux</p> <p>IMP = 0..2000 fc</p>	<p>ON</p> <p>#5</p> <p>SI = 0..50 kLux</p> <p>IMP = 0..5000 fc</p>

System of units - DIP 6

<p>ON</p> <p>#0 (factory default)</p> <p>SI</p>	<p>ON</p> <p>#32</p> <p>IMP</p>
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fc= foot candle
(american measurement)

