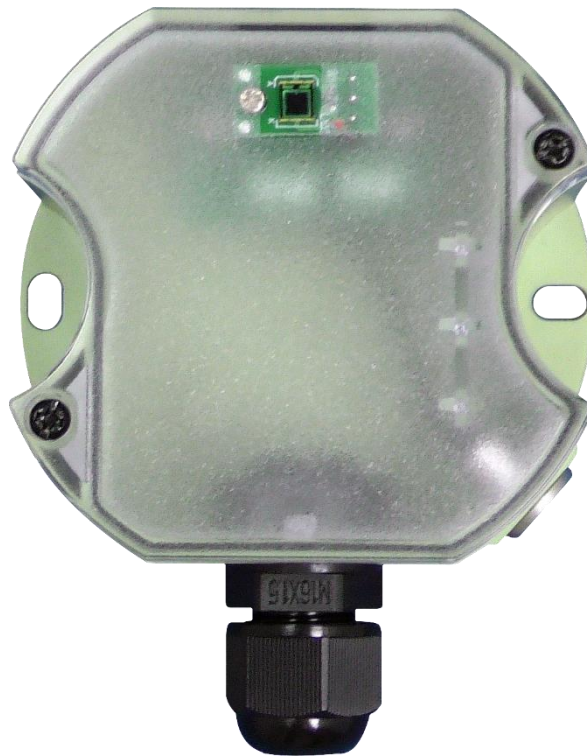


Resource
Data Management

Outdoor Wall Mount Temperature and Light Sensor

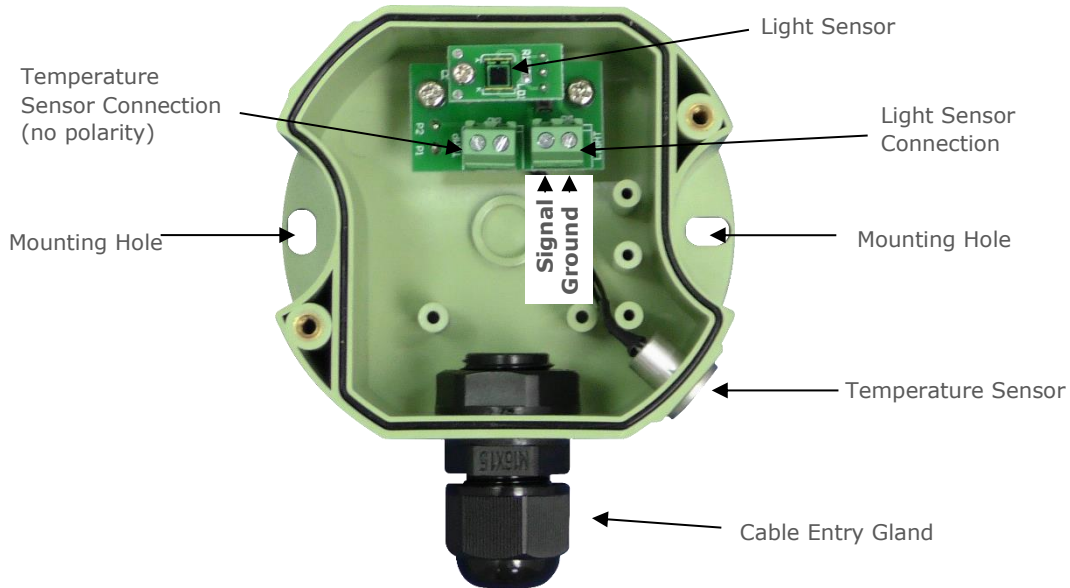
Commissioning/User Guide
Revision 1.0



PR0198-10K2

Description

The PR0198-10K2 is a wall mounted combined air temperature and light level sensor and is designed for indoor or outdoor use. Internal cable connection is via four screw terminals and the unit is supplied with a cable gland fitted, no power supply is required.



The temperature sensor is an industry standard NTC 10K thermistor.

The light sensor output changes resistance with changing light level (Lux) and can be used by an RDM TDB controller to switch lighting on and off as required. The resistance to Lux level calculation is done automatically when selecting 'Light' as the 'probe type' from within the Analogue Input block's properties.

Technical Specifications

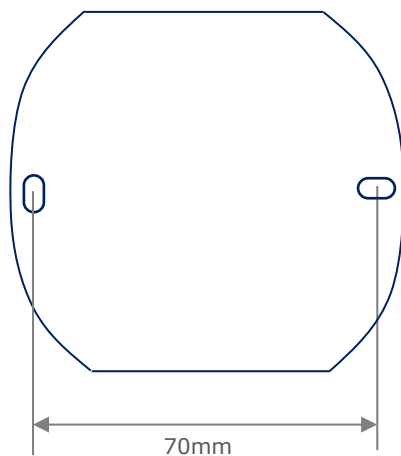
Feature	Specification
Temperature Sensor	
Nominal Resistance	10,000 ohms at 25 °C (77 °F)
Tolerance	+/- 1.0%
B Value 25/85	(3435 +/- 1%)
Temperature Range	-40 °C (-40 °F) to 80 °C (176 °F)
Light Sensor	
Resistance range	9.5 kOhm (very bright light) to 9.8 MOhm (darkness)
Measurement Range	1 lux to 40,000 lux (0.09 to 3716 FC)
General	
Protection Rating	IP65
Dimensions (including cable gland)	79mm x 93mm x 46mm
Dimensions (excluding cable gland)	79mm x 68mm x 46mm
Mounting Centres	70mm
Mounting Hole Dimensions	8mm x 5mm
Maximum Cable Conductor Size	1.5mm
Maximum Cable Diameter	5mm



Please ensure all power is switched off before installing or maintaining this product.

Mounting details

The unit should be mounted in a position that is not in direct sunlight with the cable gland pointing downwards.



Please ensure all power is switched off before installing or maintaining this product.

Group Offices

RDM Group Head Office

80 Johnstone Avenue
Hillington Industrial Estate
Glasgow
G52 4NZ
United Kingdom
+44 (0)141 810 2828
support@resourcedm.com

RDM USA

9441 Science Center Drive
New Hope
Minneapolis
MN 55428
United States
+1 612 354 3923
usasupport@resourcedm.com

RDM Asia

Sky Park at One City
Jalan USJ 25/1
47650 Subang Jaya
Selangor
Malaysia
+603 5022 3188
asiatech@resourcedm.com



Visit www.resourcedm.com/support for more information on RDM solutions, additional product documentation and software downloads.

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