

ENOCEAN DAYLIGHT HARVESTING SENSOR

MSENOCNELLSU



PRODUCT DESCRIPTION:

The EnOcean daylight sensor uses a solar cell both to measure the amount of available natural light and to generate the required energy for its operation. Natural light level is measured every minute and significant changes (> 50 lux) are transmitted immediately. In addition, a heartbeat message containing the current light level is transmitted at random intervals between 20 and 30 minutes. The daylight sensor can be quickly deployed without wiring and is maintenance free thanks to the ability to harvest the energy required for operation.

FEATURES:

- Interoperable-communicates wirelessly with other devices using the EnOcean Wireless Standard (902 MHz)
- Harvests ambient light energy to power the sensor and wireless communication
- Measures light level via the solar cell
- Mounts easily on any ceiling material
- Enables daylight harvesting in individual fixtures or zones controlled by the LED Relay Node
- Supports California Title 24
- 5-year warranty

INTEROPERABLE ENOCEAN PRODUCTS:

PRODUCT	MODEL NUMBER
Gateway Commissioning Software	GTWENOCNWC300U
LED Relay Node	REENOCNLEDRU
Wireless Daylight Sensor	MSENOCNELLSU
Ceiling Mounted Occupancy Sensor	MSENOCNEOSCU
Wall Mounted Occupancy Sensor	MSENOCNEOSWU
Wall Switch-Double Paddle Rocker	WSENOCNEDRPU
Wall Switch-Single Paddle Rocker	WSENOCNESRPU

ORDERING*:

ORDER CODE	MODEL
103509	MSENOCNELLSU

*Sensors require EnOcean Gateway Commissioning USB or LEDR field pairing for operating fixtures

SPECIFICATIONS:

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ITEM	SPECIFICATION	DETAILS
ELECTRICAL & PHYSICAL ASPECTS	Power Supply	Solar energy harvesting
	Measurement Range	0-1020 lux
	Resolution	4 lux
	Typical Accuracy	+/- 5% @ full scale, 68°F
	Measurement Interval	1 minute
	Transmission Interval	After measurement if change > 50 lux
		since last transmission
		Heartbeat every 20 ... 30 minutes (affected at random)
	Sustaining Charge	3 hours per day @ 200 lux
	Time to Full Charge	30 hours @ 200 lux
	Operation Time in Total Darkness	80 hours (after full charge)
	Configuration Interface	2 Buttons, 2 LED for device configuration & manual control
	RF Standard	902 MHz
Transmission Range	80 ft.	
PHYSICAL ASPECTS	Dimensions	6.30" L x 2.36" W x 1.15" D
	Weight	4.4 oz.
	Mounting Position	At the ceiling, close to the ambient light source (window)
	Environment	Indoor use only
		32° to 140° F
		20% to 85% relative humidity
Agency Compliance	FCC, IC, RoHS	

