

LM-1ZW Ambient Light Sensor

Intelligent Lighting Control,
Increased Energy Efficiency



- Measures and reports variations in light intensity
- IPX4 water resistance rating

The LM-1ZW is a Z-Wave ambient light sensor that measures and reports variations in light intensity regularly. The device enables home automation and security systems to dim or switch on/off electric lighting in response to changing daylight availability so as to adjust brightness to an optimum level and reduce energy consumption. It can also be deployed in home automation and security networks to control the on/off status of devices and appliances based on ambient light levels.

The LM-1ZW features a spectral response mimicking the human eye's perception of ambient light and incorporates IR and UV blocking capabilities. The sensor is an essential component of daylight harvesting solutions as it can effectively balance natural and artificial lighting in buildings according to daytime or evening conditions.

The LM-1ZW is water resistant to IPX4 standard. It is compatible with other manufacturers' Z-Wave system and can be flexibly integrated into new or existing Z-Wave systems.

Features

- Measures and reports variations in light intensity regularly
- Enables home automation and security systems to turn on/off lights and appliances according to ambient light levels
- Spectral response mimics the human eye's perception of ambient light
- Incorporates IR and UV blocking capabilities
- IPX4 water resistance rating
- Regular supervisory signals ensure the device's proper operation
- LED indicator
- Easy installation
- Compatible with other manufacturers' Z-Wave system
- CE compliance

Specifications

Communication Protocol	Z-Wave Plus 500 series module
Frequency	868.40 MHz (EU) / 908.40 MHz (US)
Power Source	3V, CR123A Lithium battery x 1
Battery Life	2 years*
Operating Temperature	-10°C to 45°C (14°F to 113°F)
Operating Humidity	Up to 85% non-condensing
Dimensions	79.93mm x 45.8mm x 22mm

* Note: Battery life varies by configuration mode, usage, and environment.