

LMHT-3ZW Light Detector with Temperature and Humidity

Increased Energy Efficiency, Intelligent Environment Sensing



- Monitors visible light sources
- Built-in temperature and humidity sensors
- OTA Firmware update capability (optional)

The LMHT-3ZW is a wireless ambient light, temperature and humidity sensor, waterproof to IPX5 standard, designed to measure and report variations in light intensity, temperature and humidity. 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. It provides the best way to monitor home environment and create comfortable living environment.

The LMHT-3ZW 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.

As a Z-Wave device, the LMHT-3ZW can be flexibly integrated into new or existing Z-Wave systems.

Features

- Measures and reports variations in light intensity
- Detects temperature from -10°C to 50°C (14°F to 122°F)
- Humidity range from 0 to 100% RH
- Sends notification when temperature changes by +/- 2°C (+/-3.6°F), humidity changes by +/-10%RH, current illuminance changes by +/-30% or 500 lux from previous measurement
- Enables home automation and security systems to turn on/off lights and appliances according to ambient light levels
- Incorporates IR and UV blocking capabilities
- Waterproof to IPX5 standard
- Over-The-Air (OTA) firmware update capability (optional)
- Compatible with other manufacturers' Z-Wave systems
- Regular supervisory signals to ensure optimal operation
- Minimum power consumption, long-lasting battery life
- LED status indicator
- Low battery detection
- Easy installation with self-adhesive or screw mounting

Specifications

LMHT-3ZW-(OTA)

Communication Protocol	Z-Wave Plus 500 series module
Frequency	868.40 MHz (EU) / 908.40 MHz (US)
Power Source	3V, CR123A Lithium battery x1
Battery Life	2 years*
Waterproof Rating	IPX5
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: The actual battery life may vary with product settings, usage patterns and operating environment.