

## LMHT-1ZW Light Detector with Temperature and Humidity Sensor

## Increased Energy Efficiency, Intelligent Environment Sensing



- Monitors visible light sources
- Built-in temperature and humidity sensors

The LMHT-1ZW is a wireless Z-Wave ambient light, temperature and humidity sensor that measures and reports 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 creating comfortable living environment.

The LMHT-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.

As a Z-Wave device, the LMHT-1ZW 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
- Periodic transmissions at intervals of 10 minutes or when temperature changes +/- 2°C (+/-35.6°F), humidity changes to 10%RH
- Enables home automation and security systems to turn on/off lights and appliances according to light levels
- Incorporates IR and UV blocking capabilities
- Regular supervisory signals ensure the device's proper operation
- Low power consumption
- Low battery detection
- Easy installation
- Compatible with other manufacturers' Z-Wave systems
- 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 50°C (14°F to 122°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.