LMHT-3 Light Detector with Temperature and Humidity Sensor

The LMHT-3 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-3 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.

• **Monitors visible light sources**

• **Built-in temperature and humidity sensors**

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 30-33 minutes or when temperature changes by +/- 2°C (+/-35.6°F), humidity changes by +/-10%RH, or current illuminance changes by +/-10%

• 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

• Extensive wireless communication range, faster signal transmission

• Regular supervisory signals to ensure optimal operation

• Minimum power consumption, long-lasting battery life

• LED status indicator

• Low battery detection

• Easy installation

Specifications

LMHT-3-F1

Frequency	433MHz / 868MHz
Power Source	3V, CR123 Lithium battery x1
Battery Life	8 years*
Waterproof Rating	IPX5
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: The actual battery life may vary with product settings, usage patterns and operating environment.