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Climax LMHT-3 Ambient Light Humidity and Temperature Sensor User Manual

User Manual

LMHT-3 Ambient Light, Humidity, and Temperature Sensor

Introduction

LMHT-3 is an Ambient Light, Humidity, and Temperature Sensor. It monitors your home environment and transmits measured Illuminance (lux), humidity, and temperature to the Control Panel.
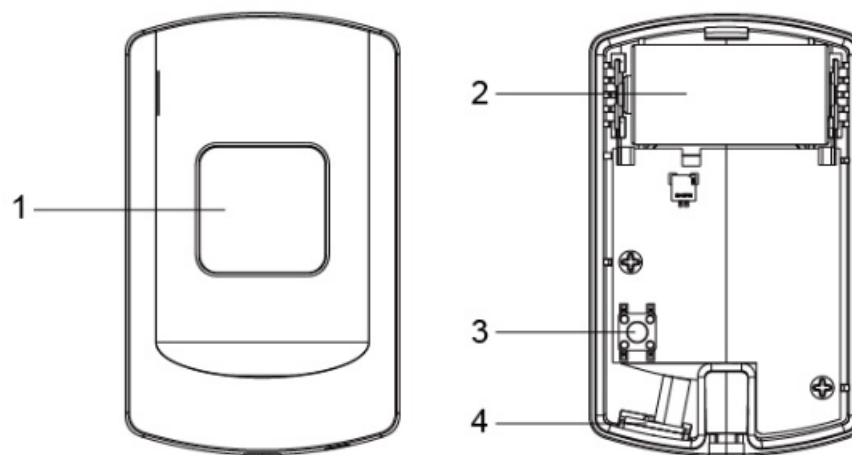
Parts Identification

1. **Light Sensor / LED Indicator**
   – Flashes every 4 seconds: low battery
   – The LED indicator will flash twice when receiving acknowledgment from the Control Panel.
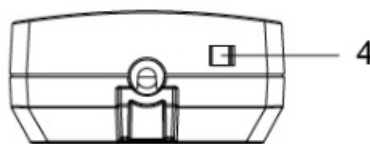
2. **Battery Compartment**

3. **Learn / Test Button**

   – Press once to send a signal to the Control Panel.

4. **Temperature / Humidity Sensor**

Features

Lighting, Humidity, and temperature monitoring

- The sensor measures illuminance, humidity, and temperature to transmit measured data to the Control Panel regularly.

  Illuminance reading is detected every 60 seconds.

  Humidity and temperature reading is detected every 20 seconds.

  The sensor will transmit the signal automatically when:
- The temperature changes by +/- 2˚C.
- Humidity changes +/- 10%.
- When the current illuminance changes by +/- 10%.

Battery

- The sensor uses one CR123 3V Lithium battery as its power source.
- The sensor features a Low Battery Detection function. When the battery voltage is low, the sensor will transmit the Low Battery signal to the Control Panel.
- When the battery is depleted, the LED flashes every 4 seconds, and the sensor will stop all functions.
- When changing the battery, after removing the old batteries, press the Learn/Status Button a few times to fully discharge before inserting a new battery.

Supervision

The sensor will transmit a supervision signal along with the reading signal to report its condition regularly. The factory default interval is 15-18 minutes.

Installation

Mounting the Sensor

The sensor can be mounted using two methods: Self-adhesive or Screw mounting.
### Self-adhesive mounting

1. Clean the surface with a suitable degreaser.
2. Remove the protective covering from one side of the double-sided adhesive pad and firmly apply it to the back of the device.
3. Remove the other covering and firmly place/press the device in the desired location.
4. Do not use the Self-adhesive mounting method on poorly painted and/or rough surfaces.

Screw Mounting
The base of the sensor has two screw knockouts, where the plastic is thinner for mounting purposes. To mount the sensor:

1. Detach the Top Cover and Base assembly by loosening the Cover-Fixing Screw using a Philips screwdriver.
2. Break through the knockouts on the base.
3. Use the holes as a template to drill two holes and insert the wall plugs.
4. Screw the base into the wall plugs.
5. Replace the top cover over the base by hooking the base onto the fixing hook and pushing the cover towards the base.
6. Secure and screw the top cover back onto its base using a Philips screwdriver.

Base
Knockouts
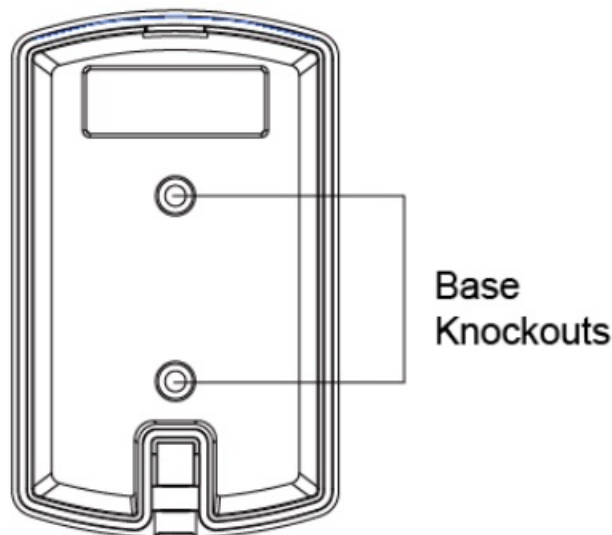
Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example – use only shielded interface cables when connecting to computer or peripheral devices).

FCC Radiation Exposure Statement
This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and

2. This device must accept any interference received, including interference that may cause undesired operation.

Documents / Resources

[**Climax LMHT-3 Ambient Light Humidity and Temperature Sensor**](#) [pdf] User Manual
LMHT3F1919, GX9LMHT3F1919, LMHT-3 Ambient Light Humidity and Temperature Sensor, LMHT-3, Ambient Light Humidity and Temperature Sensor