Lm Systems MHS271828 Smart Temperature and Humidity Sensor User Manual

Contents

Lm Systems MHS271828 Smart Temperature and Humidity Sensor

Features

- **Product name:** myHABITAT Senses
- **Brand:** LM Systems Corporation
- **Model:** MHS271828
- Typical relative humidity accuracy tolerance within 2 percentage points
- Typical temperature accuracy tolerance within 0.2°C or 0.36° F
- Bluetooth® Low Energy 5.2 certified
- Supports transfer rates up to 1 Mbits/s
- AES 128-bit encryption
- Ultra-low power dual-core Arm® Cortex ® microcontroller
- Integrated antenna
- Over-the-air firmware upgrade
- AAA alkaline battery power supply (not included)
- -10° C to 85° C or 14° F to 185° F operating range
- Designed for indoor use only
- Certifications: FCC and IC

Application

- Smart monitoring of room conditions including temperature and relative humidity
- Typical installation in living rooms, bedrooms, home-offices, offices, etc.
- Can also monitor conditions of cold rooms, wine cellars, cigar rooms, etc.
- Wireless connectivity to cellphones

Description

myHABITAT Senses periodically reads the temperature and relative humidity of a room, storing them temporarily

for subsequent transmission to cellphones via Bluetooth Low Energy® protocol.

FCC compliance statement

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.

NOTE: 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 or more 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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

ISED Canada compliance statement

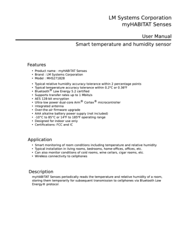
This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. this device may not cause interference,
2. this device must accept any interference, including interference that may cause undesired operation of the device.

RF exposure statement

The device must not be colocated or operated in conjunction with any other antenna or transmitter. This equipment complies with the FCC and ISED RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 8 in or 20 cm between the radiator and any part of your body.

Documents / Resources



LM Systems Corporation
myHABITAT Senses

User Manual

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