LoRaWAN Door Sensor

LHT65N-DS

LHT65S-DS

OVERVIEW:

The Dragino LHT65N/S-DS Door Sensor is a Long Range LoRaWAN Sensor. It includes a built-in Temperature & Humidity sensor and a metal Door Sensor.

The LHT65N/S-DS allows users to send data and reach extremely long ranges. It provides ultra-long range spread spectrum communication and high interference immunity whilst minimizing current consumption. It targets professional wireless sensor network applications such as irrigation systems, smart metering, smart cities, building automation, and so on.

LHT65N/S-DS has a built-in 2400mAh non-chargeable battery which can be used for more than 10 years*.

LHT65N/S-DS is full compatible with LoRaWAN v1.0.3 Class A protocol, it can work with a standard LoRaWAN gateway.

*The actual battery life depends on how often to send data, please see battery analyzer chapter.

Features:

- Wall mountable
- LoRaWAN v1.0.3 Class A protocol
- Firmware upgradable via program port
- 1 meter metal Door Sensor
- Tri-color LED to indicate status
- Bands: CN470/EU433/KR920/US915/EU868/AS923/AU915
- AT Commands to change parameters
- Built-in Temperature & Humidity sensor
- Remote configure parameters via LoRaWAN Downlink
- Built-in 2400mAh battery for more than 10 years of use

Sensor Spec:

Built-in Temperature Sensor:
- Resolution: 0.01°C
- Accuracy Tolerance : Typ ±0.3 °C
- Long Term Drift: < 0.02 °C/yr
- Operating Range: -40 ~ 80 °C

Built-in Humidity Sensor:
- Resolution: 0.04 %RH
- Accuracy Tolerance : Typ ±3% RH
- Long Term Drift: < 0.25 RH/yr
- Operating Range: 0 ~ 96 %RH

External Door Sensor:
- Meterial: Aluminum Alloy
- Detect Distance: ~3cm
- Cable Lenght: 1 meter

Order Info: LHT65N/S-DS-XX

XX: The default frequency band
- XX: Frequency Bands, options: EU433,CN470,EU868,IN865, KR920,AS923,AU915,US915

Application Scenarios

Supermarket

Garage

Cellar

Warehouse