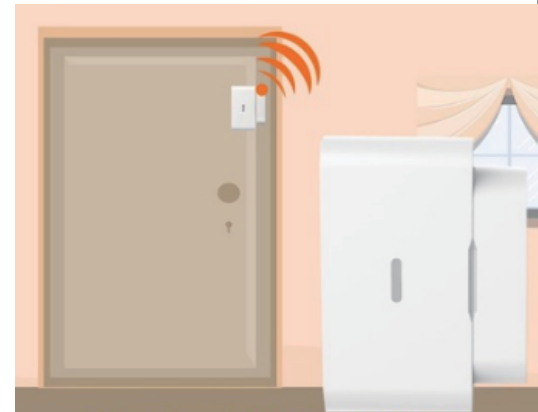# DRAGINO

LoRaWAN Door Sensor

LDS01

OVERVIEW:

The Dragino LDS01 is a LoRaWAN Door Sensor. It detects door open/close status and uplink to LoRaWAN network. The LDS01 is small sensor, the dimension is as small as 64 x 30 x 14 mm.

LDS01 is powered by a CR2032 coin battery, in a good LoRaWAN Network Coverage case, it can transmit as many as 12,000 uplink packets (base on SF7, 14dB). in poor LoRaWAN network coverage, it can transmit ~ 1,300 uplink packets (base on SF10, 18dB). The design goal for one battery is up to 1 year. User can easily change the CR2032 battery for reuse.

The LDS01 will send periodically data every day as well as for each door open/close action. It also count the door open times and calculate last door open duration.

Each LDS01 is pre-load with a set of unique keys for LoRaWAN registration, register these keys to local LoRaWAN server and it will auto connect after power on.

Features:

- LoRaWAN v1.0.3 Class A
- SX1262 LoRa Core
- Door Open/Close detect
- CR2032 battery powered
- Door open/close statistics
- Bands: CN470/EU433/KR920/US915
- EU868/AS923/AU915/IN865
- AT Commands to change parameters
- Uplink on periodically and open/close action
- Downlink to change configure

Applications:

- Smart Buildings & Home Automation
- Logistics and Supply Chain Management
- Smart Metering
- Smart Agriculture
- Smart Cities
- Smart Factory

Order Info- LDS01-XX

XX:

- XX: Frequency Bands, options: EU433,CN470,EU868,IN865,KR920 AS923,AU915,US915