

# LoRaWAN Door Sensor

## LDS02



## OVERVIEW:

The Dragino LDS02 is a LoRaWAN Door Sensor. It detects door open/close status and uplink to IoT server via LoRaWAN network. **user can see the door status, open time, open counts in the IoT Server.**

LDS02 is powered by 2 x AAA batteries and target for long time use, these two batteries can provide about 16,000 ~ 70,000 uplink packets. After battery running out, user can easily open the enclosure and replace with 2 common AAA batteries.

The LDS02 will send periodically data every day as well as for each door open/close action. It also counts the door open times and calculate last door open duration. **User can also disable the uplink for each open/close event, instead, device can count each open event and uplink periodically.**

LDS02 has the open alarm feature, user can set this feature so device will send Alarm if the door has been open for a certain time. *This could be interesting.*

Each LDS02 is pre-load with a set of unique keys for LoRaWAN registration, register these keys to LoRaWAN server and it will auto connect after power on.

### Features:

- LoRaWAN v1.0.3 Class A
- SX1262 LoRa Core
- Door Open/Close detect
- 2 x AAA Batteries
- Door open/close statistics
- Open duration alarm
- 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- LDS02-XX

XX:

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