

LoRaWAN™ Radio transmitter for Digital On/Off monitoring - Senlab_D -



REV_C

Senlab_D is a smart sensor combining LoRaWAN™ radio communication and a digital on/off input. This input is capable of detecting the opening or closing of relays, transistors or switches. Senlab_D has two functioning modes: counting or alerting.

- In counting mode, you will receive periodically the number of transition the device monitored
- In alerting mode, you will receive a radio message each time the Senlab_D detects a change of state.

With Senlab_D, you can for example monitor a button, a door, a window opening, utilisation of machines,... bringing you new tools for security and preventive maintenance applications for example.

This wireless sensor benefits from the latest disruptive radio technologies, providing significantly longer range than conventional modulation techniques, whilst minimizing current consumption.

Key features

- 2 functioning modes
- Plug and play
- Range: up to 15 km
- Protocol : LoRaWAN
- Configuration: Over the air

Products Reference	TOR-LAB-21NS	TOR-LAB-33NS
Short name	Digital on/off sensor - Indoor use	Digital on/off sensor - IP68
[Physical Description]		
Chassis Type	Indoor (IP30)	Outdoor (IP68)
Dimension	55 x 85 x 25 mm	56 x 102 x 35 mm + sensor
Weight	75 gr (0.17 lbs)	140 gr (0.31 lbs)
[Power]		
Battery life	Up to 10 years	up to 20 years
Battery replaceable	Yes	No
[CE Certification]		
EMC Compliance	ETSI EN 301 489-1, ETSI EN 301 489-3, EN 61000-6-2	
Radio Compliance	EN 300 220-1 V 2.4.1 (2012-05), EN 300 220-2 V 2.4.1 (2012-05)	
Magnetic field exposure	EN 62479	
Safety	IEC 60950-1	IEC 60950-1, EN 60950-22
[Environmental]		
Operating Temperature	0° to +50°C	-20° to +70°C
Storage Temperature	-40° to +85°C	-40° to +85°C