

Under development, subject to change

LORAWAN-CALYPSO

LoRaWAN-Calypso

Domestic smoke alarm device
LoRaWAN compatible



FINSECUR[®]

LoRa[™] Alliance

SMOKE ALARM DEVICE WITH LORAWAN (TM) RADIO LINK

→ PRESENTATION

The LoRaWAN-Calypso is a residential smoke detector with an integrated LoRaWAN (TM) radio link. It was developed to address two customer needs: the obligation to be equipped or the need to feel safe, and the wish to be notified as soon as smoke is detected for a timely reaction.

In France, 1 in 2 fires is caused by electrical failure, which implies a local power and internet shutdown. The only way to have a reliable link is to use a self-powered internet link, making use of e.g. the LoRaWAN Network.

This device is more than just a simple smoke detector, it is equipped with a temperature and a humidity sensor allowing the user to keep an eye on its indoor air quality.

→ GENERAL CHARACTERISTICS

- smoke detection: by light scattering, professional optical sensor
- sound power: >85dB at 3m
- autonomy: over 3 years, with 2 AA batteries
- environment: no radio-active substances and lead free
- temperature sensor: accuracy: $\pm 0.2^{\circ}\text{C}$ typical
repeatability: $\pm 0.1^{\circ}\text{C}$ typical
- protection against false alarms: grid against insects
- single button: hush and test
- operating temperature: 0° to 55°
- humidity sensor: accuracy: $\pm 4\%$ Rh typical
repeatability: $\pm 0.1\%$ Rh typical
- anti-theft mounting mechanism

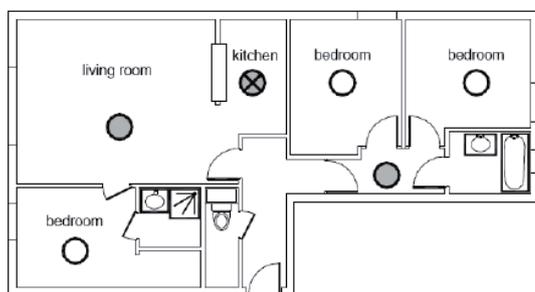
Radio linking

- radio mode: LoRa (TM) and FSK
- range: >1.5 km in an urban environment *

* field tests in Paris

- STANDARDS
 - EN 14604
- RADIO FREQUENCIES
 - EU 868 MHz
 - US 915 MHz
 - JP 820 MHz
- DASHBOARD
 - iSecur.fr
- *ThingPark Wireless* compatible

optimum installation



- Minimal protection advice
- Optimal protection
- ⊗ Implementation precaution

→ STRONG POINTS

- LoRaWAN enabled
- real-time alarm notifications
- web service to visualise status and alarms
- "Plug and Play" installation
- professional detection technology
- several-year autonomy on batteries

FINSECUR

52 rue Paul Lescop
92000 NANTERRE

t. +33 (0)1 41 37 91 91
f. +33 (0)1 41 37 92 91

finsecur@finsecur.com
www.finsecur.com

LoRa™ Alliance Member