

ADR-Tamp

PIR & Magnetic Switch

The ADR-Tamp is an application-ready Sigfox enabled transceiver. A smart sensor perfectly suited for tamper detection applications.

The ADR-Tamp provides a connection to national and global network infrastructure for reliable and secure communications. This standalone rugged small form factor sensor device delivers real-time tamper detection data for many use cases and can be configured accordingly.

The configuration of the transceiver can be done via the product or network allowing for real-time functionality and flexibility. Powered through a Li-SOCL2 battery, it allows standard autonomy up to 10 years. Longer support options are available.



Highlights

- Tamper detection data through Sigfox compliant radio networks perfect for Security, Vandalism and Monitoring applications
- Low power Passive infrared Sensor support
- Movement detection
- Magnetic Switch Support (open / close states)
- Rugged IP67 enclosure
- Fully Internal battery powered
- Long range connectivity
- Low Cost Low power design with up to 10+ year autonomy
- Small, Compact and easy to install and conceal

Performances

- SF RF power: 14dBm (25mW)
- SF RF sensitivity: up to -127dBm

Warnings

- Battery end of life
- Over temperature
- Tamper detect

Firmware

SIGFOX network protocol

Transmission cycles: 2, 50, 100 or 140 frames per day

Data encryption: AES128 (Optional)

Software and Data Management

Device data transmitted via the Sigfox cloud infrastructure to the backend server platform for processing and reporting is provided as a standard. A custom platform with built-in device support can be provided or easily integrate the device into your own platform.

Peripheral Options

- Digital and Analog IO
- Bluetooth (BLE)
- GPS
- Early warning and alarm

Typical Applications

- Security applications
- Early warning and alarm

General Information

Dimensions: 110 x 58 x 30 mm

Weight: 100 grams

Housing: IP67

Antennas: All Integrated (Internal)

Standards: ICASA, EN 300-220, EN 301-489, EN 60950; CE

Radio Zone Support

The device is available for RC1 (Europe, Middle East & South Africa).

All other zones will be supported soon.

Standard Operation (can be modified on request)

PIR Trigger Mode:

- Standard unit is programmed to send trigger message when movement detected. (10min dead time after trigger)
- Heartbeat is sent every 24 hours

PIR Activity Mode:

- Unit is programmed to send two readings (30 min resolution – amount of movements detected) every 1 hour
- Heartbeat is sent every 24 hours
- We can modify the resolution time and the transmission time will be resolution time * 2.

Device Lifespan:

Battery life depends on the number of messages (typical life span of device 50000 messages)