

# ADR-Alert

The ADR-Alert is a small application ready Sigfox enabled transceiver a smart sensor perfectly suited for panic, alert, and position monitoring applications.

The ADR-Alert provides a connection to national and global network infrastructure for reliable and secure communications. This standalone small form factor sensor device delivers real-time position, panic, and alert data for many use cases and can be configured accordingly. An integrated button or automated Alert detection can be used as a trigger.

The configuration of the transceiver can be done via the product or network allowing for real-time functionality flexibility. Powered through a Li-SOCL battery allows standard autonomy for more than 2 years. Longer support options are available.



## Highlights

- Alert detection data through Sigfox compliant radio networks perfect for security, medical and position monitoring applications
- Full GPS Support
- Multiple LED device feedback
- Rugged sealed enclosure with integrated button
- Fully internal battery powered
- Long range connectivity

## Performances

- SF RF power: 14dBm (25mW)
- SF RF sensitivity: up to -127dBm
- GPS Sensitivity Navigation: -157dBm
- GPS Sensitivity Tracking: -158dBm

## Warnings

- Battery end of life
- Over temperature
- Fall/crash detection

## 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

- Accelerometer
- Temperature sensor

## Who Can Benefit

- Children
- Senior citizens
- Shift workers
- Emergency service workers
- People with special needs

## General Information

**Operating temperature:** -20 °C / +65 °C

**Mounting Options:** Can be used as a keyholder, fitted on bags, lanyards etc.

**Dimensions:** 70 x 38 x 19 mm

**Weight:** 40 grams

**Housing:** Sealed

**Antennas:** All Integrated (Internal)

**GPS LNA:** On-board

**Automatic Alert:** Fall or crash detection

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

**Support:** The device is available for RCZ1 (Europe and Middle East)

## Device Lifespan:

- Battery life depending on operating conditions and mode allows standard autonomy for more than 2 years.