

ADR-Util

Dry Contact 3 Input

ADR-Util Dry Contact 3 Input is an application ready Sigfox enabled transceiver, perfectly suited for monitoring applications.

ADR-Util provides a connection to a national and global network infrastructure for reliable and secure communications.

The configuration of the transceiver can be done via the product or network allowing the choice of periodicity, pulse, weight, data encryption.

ADR-Util further provides a downlink function to the device for switching functionality. Powered through a Li-SOCL2 battery, it allows standard autonomy up to 10 years.



Highlights

- 3 Dry Contact Input Support
- State and state change real time reporting
- Long range connectivity
- Low Cost Low power design with up to 10+ year autonomy

Performances

- SF RF power: 14dBm (25mW)
- SF RF sensitivity: up to -127dBm
- Interfaces: Dry Contact 3 Inputs

Warnings

- Battery end of life
- Over temperature
- Tamper detect

Firmware

SIGFOX network protocol

Transmission cycles: 2, 50, 100 or 140 update links per day

Data encryption: AES128 (Optional)

Software and Data Management

Data from the device, transmitted via the Sigfox cloud infrastructure to the backend server 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
- Accelerometer

Typical Applications

- Smart Buildings

General Information

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

Mounting Options: Screws, rivets, tie-wraps and 2-sided tape

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

Standard Operation (can be modified on request)

Default Mode:

- Standard unit is programmed to send trigger message when any of the states change.
- Heartbeat with current state is sent every hour

Device Lifespan:

10 years battery life depending which mode is used.