

ADR-Util

4-20mA

ADR-Util 4-20mA Input is an application ready Sigfox enabled transceiver, perfectly suited for monitoring applications.

ADR-Util 4-20mA 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 4-20mA 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

- 4-20mA input support
- High resolution sample data
- 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: 4-20mA Input

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
- Industrial 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 sample every 10 minutes and send information every 1 hour
- We can modify the sample time and the transmission time will be sample time * 6.

Device Lifespan:

10 years battery life depending which mode is used.