

SIGFOX Sensors Transceiver

Highlights

- Ready to use transceiver for SIGFOX networks
- 0-10V, 4-20mA & I/O interfaces
- Range up to 10 km
- Up to 2 sensors per transmitter
- Up to 10 years of autonomy on battery
- IP67 enclosure



The **SIGFOX Sensors** from Adeunis RF is a ready-to-use **radio transmitter** allowing to **transform any type of 0-10V, 4-20mA & I/O sensor into a Wireless Sensor**.

This product meets the needs of users looking to **remotely monitor the data** of all kinds (temperature, pressure, level, humidity, CO₂, speed, brightness, opening ...).

The **SIGFOX Sensors** provides connection to the any operated network using the SIGFOX protocol (SIGFOX & SNO).

Two sensors can be supported by a single SIGFOX Sensors transmitter allowing a **significant reduction of costs of implementation**.

The configuration of the transmitter can be done **via the product or the network** allowing the choice of **sensors interface, periodicity or data encryption**.

Powered through a Lithium battery, it allows an autonomy up to **10 years***.

Performances

RF power: 14dBm (25mW)
RF sensitivity: up to -126dBm
Range: up to 10 km

Firmware

SIGFOXnetwork protocol
Transmission cycles: 2, 50, 100 or 140 frames per day
Data encryption: AES128

Warnings

Battery end of life

Consumption & needs

Operating voltage: 3.6V nominal
Power supply: through Li-SOCI₂ battery
Lifespan: up to 10 years

Compatibility

Any kind of 0-10V, 4-20mA & I/O sensor

General information

Operating temperature: -20°C / +75°C
Integrated fixation systems: DIN-Rail, tube, wall, necklace
Dimensions: 105 x 50 x 27 mm
Weight: 80gr
Housing: IP67 (IP68 on demand)
Standards: EN 300-220, EN 301-489, EN 60950

References

- **ARF8047PA** SIGFOX SENSORS

* The SIGFOX SENSORS enables the transmission of sensor data but won't power it (except I/O version)

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