

DATA SHEET

sensor hub

Item numbers: 91113146

GENERAL PRODUCT INFORMATION

The sensor smart alarm system is an innovative security concept designed specifically to protect mobile or remote properties. Using state-of-the-art IoT technology, a wide range of sensor solutions, and integrable accessories, it provides security exactly where it is needed most.

The sensor app for smartphones and tablets provides real-time burglary alerts and clearly displays sensor data. The alarm system can be customized for each specific location using the sensor app. In addition, multiple devices and users can be conveniently managed through the app.

The sensor hub model stands out for its **concealed installation** which significantly increases reliability in the event of a break-in. When used in conjunction with door and window contacts, the device provides intrusion detection via **Protective Cover**.

AREAS OF APPLICATION

- RV
- Travel Trailers
- Camper Vans
- Boats
- Vacation Homes
- Gardens
- Garages



FEATURES

IoT Gateway

Enables connection to the sensor app and is used to transfer data.

Temperature Monitoring

Measures the ambient temperature and alerts you to extreme conditions.

Vibration Sensor

Detects vibrations and possible tampering with the vehicle or building.

EXTERNAL SENSORS

Door and Window Contacts (Item No. 911131398)

Detects when doors or windows are opened using installed magnetic contacts. Enable intrusion detection using perimeter protection.

Alarm Siren & Battery Monitor (Item No. 911131326)

Used to emit a loud, warning alarm tone inside the vehicle (approx. 95 dB). Can be used as a battery monitor when connected to a 12V power supply.

Gas Detector & Siren (Item No. 911131324)

Gas detector for detecting CO, organic gases, and air quality. Includes a loud alarm siren to warn when threshold levels are exceeded.

Other accessories from third-party manufacturers

sensor connect uses an open communication protocol and can therefore potentially be connected to a wide variety of peripheral devices. Only the setup in the sensor app requires some customization.

Any ideas for accessories? [Please contact us!](#)

TECHNICAL SPECIFICATIONS

HIGH-PERFORMANCE PROCESSOR

Processor	High-Performance Microprocessor
Flash	16 MB
PSRAM	8 MB
SRAM	520 KB
ROM	384 KB

INTERFACES

USB-C	5V / 2A
Terminal block	0.2 mm ² – 0.75 mm ² (AWG 18 – 30)
Wi-Fi	IEEE 802.11b/g/n
• Frequencies / Bands	2412 MHz – 2484 MHz
• Transmission power	max. 20.5 dBm
LTE	LTE Cat M1
• Frequencies / Bands	B3/B7/B20
• Transmission power	max. 21 dBm

ENVIRONMENTAL CONDITIONS

Location	When used indoors, protect from direct sunlight
Operating temperature	-40 °C to +60 °C
Storage temperature	-40°C to +60°C
Shipping temperature	-40 °C to +80 °C
Temperature Change	5 K/min (no condensation allowed)
Relative Humidity	Max. 70%; condensation must be prevented
Elevation above sea level	Up to 2,000 m
Height above sea level (storage/transport)	Up to 3,000 m above sea level in accordance with DIN 60204 / IEC 61131-2; minimum atmospheric pressure of 70 kPa
Degree of contamination	Pollution Level 2

POWER SUPPLY

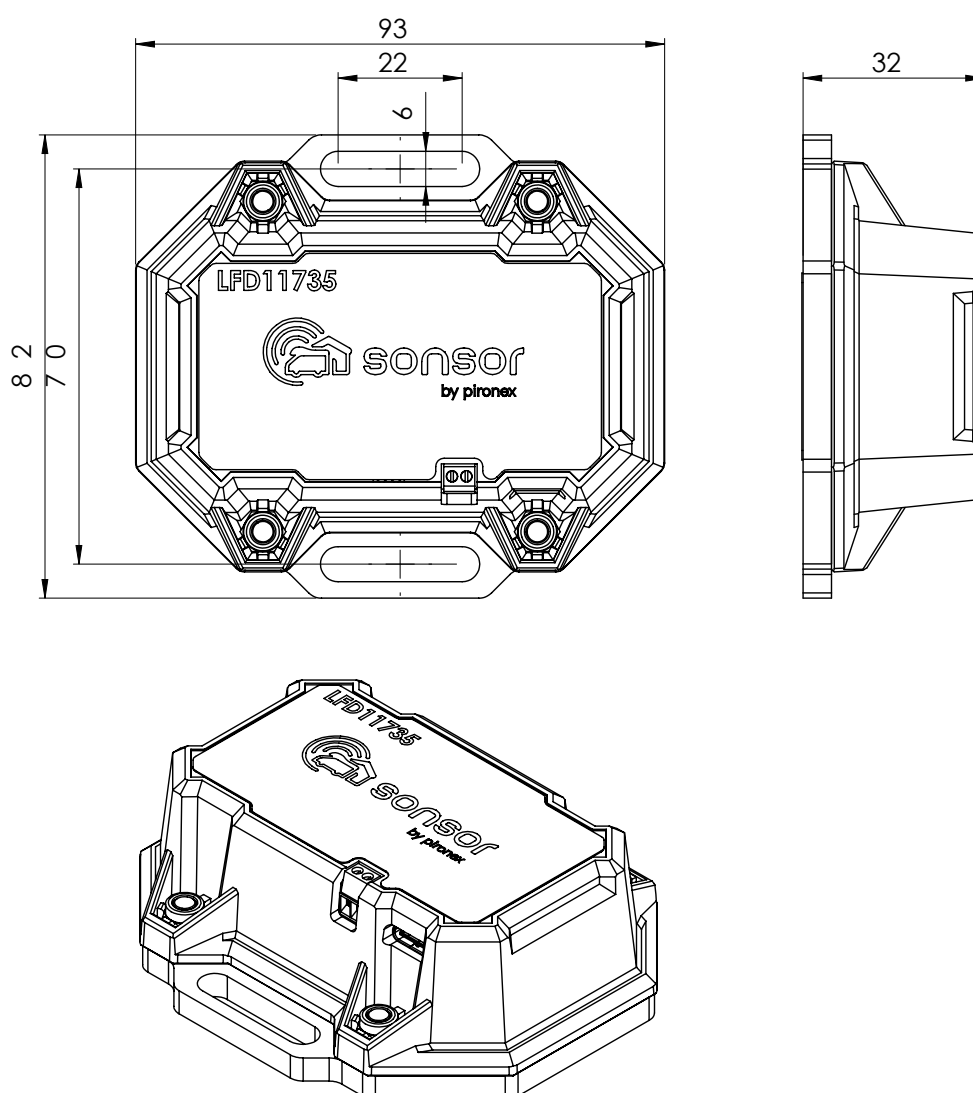
Voltage VDC	5V (±10%) via USB-C or 10V–15V at the terminal block (reverse-polarity protected)
Current Consumption I _{max}	1.5 A at 5 V or 0.625 A at 12 V
Power Consumption P _{max}	7.5 W
"Standby" Power Consumption	200 mW

GUIDELINES

2014/53/EU	Radio Equipment Directive
2011/65/EU	Restriction of Certain Hazardous Substances (RoHS)
2012/19/EU	Waste Electrical and Electronic Equipment (WEEE)
EC 1907/2006	Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH)

MECHANICAL DESIGN

Dimensions	81.7 x 93.24 x 32 mm
Weight	150g
Enclosure Protection Rating	Protection against dust and small amounts of liquids
Material	Housing: ABS



SAFETY INSTRUCTIONS

1. MANUFACTURER'S INSTRUCTIONS

General Safety

- ! pironex technology GmbH assumes no liability for device malfunctions during operation or in the event of a power or server outage.
- ! The sensor device and the sensor app require constant access to the Internet. This is the only way to ensure that push notifications are delivered reliably.
- ! Make sure you're using the latest version of the sensor app. To find out if an update is available, check the App Store or Google Play Store regularly.
- ! Use the device only as described in the user manual. It can be downloaded at <https://www.sensor.de/downloads>.

Installation and Use of Sensor

- ! The sensor may only be operated using the included power cord and a power adapter or a compatible power bank. The relevant specifications can be found in the sensor user manual.
- ! Do not operate the sensor with a damaged device, power supply, or cable. In such cases, the damaged component must be replaced immediately.
- ! When installing sensor, please make sure that the cable is not kinked, pinched, or otherwise damaged.
- ! The device is not weather-resistant and is intended for indoor use only.
- ! Do not place the device on radiators or over stovetops, and keep it away from other heat sources.
- ! No foreign objects or liquids should enter the device.
- ! Clean the device regularly as described in the sensor user manual.
- ! If you notice any abnormalities or irregularities with your device while using it, please contact the manufacturer.

2. HAZARD WARNINGS

Maintenance and Service

The sensor does not contain any components that require maintenance. However, you should make sure to update the sensor app at regular intervals. In some cases, this may require you to log back into the app. Updates to sensor devices run quietly in the background and do not affect usage.

- ! Regularly check your sensor, the cable, and the power supply for damage. If a malfunction occurs or if there is any damage, please contact the manufacturer.