

DATA SHEET

sonsor mobile

Item numbers:

911131343 (black)

911131344 (grey)

911131345 (white)

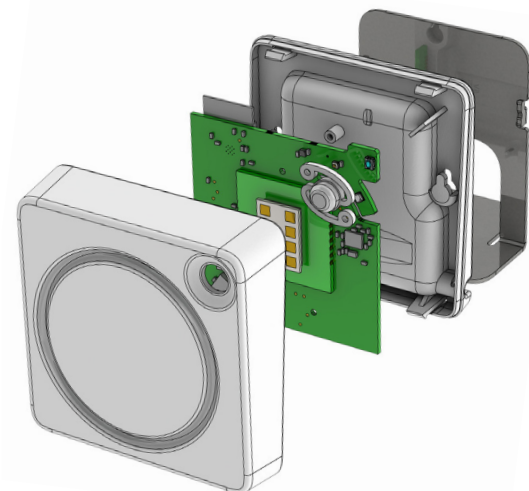


GENERAL PRODUCT INFORMATION

The Smart Alarm System **sonsor** is an innovative security device designed specifically to protect RVs, vacation homes, gardens, and garages. By integrating state-of-the-art IoT technologies and a wide range of built-in sensors, the system offers comprehensive protection and enhances security exactly where it is needed most. About the **sonsor App** For smartphones and tablets, intrusions are reported in real time, and any instances where individually set thresholds for indoor climate data are exceeded are displayed. The alarm system can be configured using the **sonsor App** customize for each specific location. In addition, multiple devices and members can be included in the **sonsor App** managed in a clear and organized manner.

AREAS OF APPLICATION

- Motorhomes
- Travel trailers
- Camper Vans
- Vacation Homes
- Gardens
- Garages



SENSORS AND FEATURES

Burglary Monitoring: Detects movement and unusual activity in the monitored area.

GPS: Determining your current location and displaying it on a map in the **sonsor app**.

Moisture Meter: Monitors humidity and prevents mold growth.

Temperature Monitoring: Measures the ambient temperature and alerts you to extreme conditions.

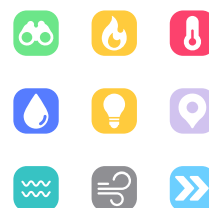
Sound Level Meter: Measures the volume of ambient noise and provides early warnings of vandalism or noisy neighbors.

Light sensor: Detects changes in light intensity.

Vibration sensor: Detects vibrations and possible tampering with the vehicle or building.

Air Quality Sensor: Monitors air quality and alerts users to harmful gases and pollutants.

Fire Alarm Detection: Registers alarm signals from fire detectors and notifies the user.



TECHNICAL SPECIFICATIONS

MICROCONTROLLER/PROCESSOR

Processor	32-bit microprocessor
Flash	8 MB
PSRAM	64 Mbit
SRAM	520 KB
ROM	384 KB
SRAM in RTC	8 KB

INTERFACES

USB-C	at least 5V/1A (for normal operation) At least 5V/2.5A (for using 2G)
Short-range radio	4.2, LE
Wi-Fi	IEEE 802.11b/g/n
LTE	LTE Cat 1, B3/B7/B20
GNSS	GPS, Single Band, L1

ADDITIONAL FEATURES

Sensors	Air Quality Sensor · VOC · Humidity · Air pressure 3G sensor: · 3 axes · 16-bit Light Sensor
Display Elements	4 RGB LEDs
Controls	1 push button

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

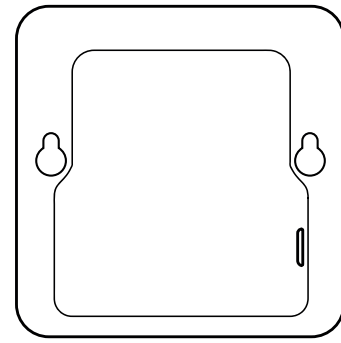
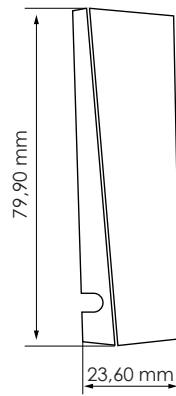
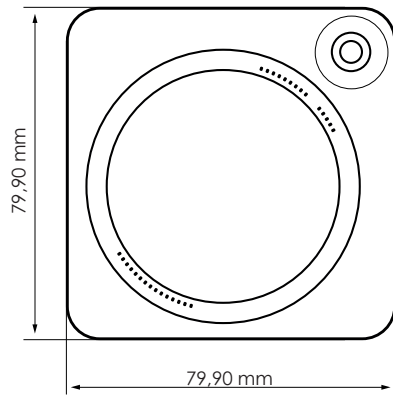
Voltage VDC	5V (±10%)
Current Consumption I _{max}	1 A (under normal use) 2.4 A (when using 2G)
Power Consumption P _{max}	4 W (under normal use) 5 W (when using 2G)

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	79.9 x 79.9 x 23.6 mm
Weight	65g
Enclosure Protection Rating	IP50 (DIN EN 60529:2014-09; VDE 0470-1:2014-09)
Material	Housing: ABS PA-765A



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. You can download it 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 in Section.
- ! 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. In the event of a malfunction or damage, please contact the manufacturer.