

SEZA



SEZO WL

detecting water leakages in four zones

sending data using LoRaWAN
networking technology

indoor usage

powered by a 1200 mAh battery



LED diode flash for easier leakage location

USB configuration

able to detect the damage of leakage sensor

very long battery life - up to 3 years
on a single battery

POTENTIAL USE CASES



WAREHOUSES

The **SEZO WL** device enables monitoring any possible *water leakages* inside buildings. Preventing water damage is critical to ensure *optimal storage conditions*. It is especially important in case of FMCG (Fast Moving Consumer Goods) such as packaged foods, pharmaceuticals or toiletries, where the right level of humidity needs to be ensured.

Facility managers easily leverage **SEZO WL** and its features because of the seamless installation process. Thanks to the fact that the device is *compact and battery-powered*, all that needs to be done is to install it (by gluing or screwing it on) in a place where you want to monitor any possible water leakage, install the sensors, and the device is ready for operation.

SEZO WL is capable of sending data via LoRaWAN networking technology.

end device

IoT

environment
monitoring

safe storage

smart building

indoor



OFFICE BUILDINGS

SEZO WL, thanks to its ability to detect water leakages is leveraged by office managers to ensure *comfortable and stable working conditions* for the employees.

This compact, *battery-powered device* informs about any water leakage or condensation on the premises. A water leakage can not only be a threat to the building's construction, but also to people's health. Long-term exposure to mold can result in *Sick Building Syndrome (SBS)* - people suffering from various illnesses (e.g. respiratory) caused by the building they work in.

SEZO WL has a built-in LED diode which makes the leakage location easier.

The device is capable of sending data via LoRaWAN networking technology.

end device

IoT

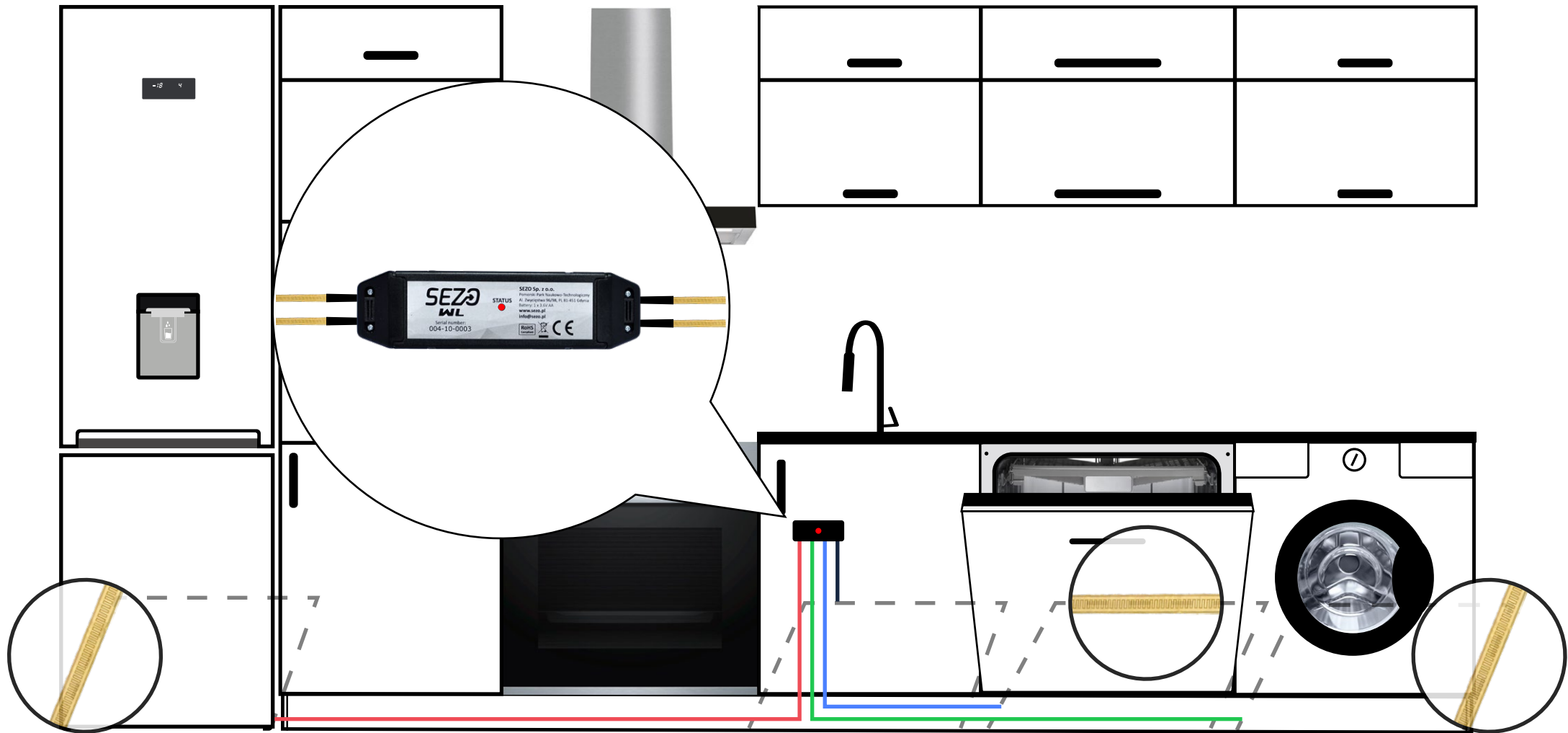
safety

health

smart building

indoor

SEZO WL - KITCHEN USE CASE



SEZO WL - TECHNICAL SPECIFICATIONS

DESCRIPTION	<ul style="list-style-type: none">- Compact low-power sensor device measuring water leakage- LoRaWAN networking technology for long transmission range and very long battery life (up to 3 years on a single battery)- Made for indoor water leakage detection- USB configuration- Damage of leakage sensor detection- LED diode flash for easier location of leakage
MEASURED PARAMETERS	Water leakage or condensation
OPERATING TEMPERATURE	-30 ÷ 60°C
COMMUNICATION PROTOCOL	LoRaWAN v1.0.3, Class A device
FREQUENCY AND TRANSMISSION POWER	868 MHz, maximum 14 dBm
DATA TRANSMISSION INTERVAL	Default 24 hours (configurable) or triggered by event
BATTERY	AA 3.6V (1200 mAh)
ENCLOSURE	IP55, ABS
WEIGHT	90 [g]
PRODUCT DIMENSIONS	Body: 163 x 44 x 24 [mm]



About WiRan

WiRan Sp. z o.o. is a B2B company providing R&D services to national and international clients in the space, maritime, railway, industrial and IoT sectors. Our expertise lies in Radio Frequency and Wireless technologies, the development of electronic parts, fast product prototyping, feasibility studies, certifications and EMC testing. Founded in 2002, we are looking back at soon to be 20 years as a HW design office - supporting our diverse clients from the conception through prototyping to product quality development of electronic devices. You can find our designs mounted around Tricity (air quality measuring systems), and soon also in space (satellite communication modules), just to name a few.

WiRan offices and laboratories are currently located in Gdynia, Poland.

About SEZO

SEZO is a suite of products that can be best described as long range, customizable IoT solutions. SEZO products are based on LoRaWAN™ and LTE-M / NB-IoT technology and can be customized by clients, based on their needs.