



Smart building sensors



Elsys ERS-sensors: smart building sensors for indoor climate, occupancy, motion, light and sound.



Elsys ERS sensors are designed to be wall / desk / ceiling mounted.

Dimensions 86 x 86 x 27 mm

Elsys ERS indoor LoRaWAN sensors measure indoor climate, sound and occupancy.

Non powered, wireless

Elsys ERS sensors are completely wireless and powered by one or two 3,6V AA lithium batteries. The battery life is up to 10 years depending on sample interval, transmit interval, data rate and environmental factors.

Multiple options

Available sensors are temperature, humidity, light, CO₂, accelerometer, sound, desk occupancy based on body

heat or standing/sitting and a motion sensor (PIR).

Typical applications are indoor environment sensing, desk & room occupancy

Easy to configure

All Elsys ERS sensors are equipped with NFC (Near Field Communication) for easy configuration with an Android phone.

Complete solution

Elsys ERS-sensors are ITalks certified and best used in combination with an ITalks Private LoRa network in order to have the best possible performance.

MONITOR AND CONTROL:

- temperature
- humidity
- light
- motion (PIR)
- sound
- CO₂
- occupancy



Ready-to-use package

To help customers starting-up within a day, we advise you to choose one of our complete ITalks starter package, which includes everything from sensor to visualisation of the data.

HARDWARE



CONNECTIVITY



DASHBOARD



ITalks starter package offers a complete solution

- the right hardware
- connectivity
- platform ITalks IoT Suite to manage integrations and data visualisations

Elsys ERS serie LoRaWan wireless sensor



Datasheet

Inside the Elsys ERS you will find several sensors depending on the model that you choose.

Elsys ERS serie



Art.nr.	110529	110493	110529-CO2	110498	110496	110497
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	Elsys ERS	Elsys ERS Lite	Elsys ERS CO2	Elsys ERS Desk	Elsys ERS Eye	Elsys ERS Sound
Temperature	✓	✓	✓	✓	✓	✓
Humidity	✓	✓	✓	✓	✓	✓
Light	✓		✓	✓	✓	✓
Motion (PIR)	✓		✓			✓
Sound level (peak/average)						✓
CO2			✓			
Room occupancy based on body heat					✓	
Desk occupancy based on standing / sitting				✓		
NFC*	✓	✓	✓	✓	✓	✓

*NFC = Near Field Communication which is used for easy configuration through Android telephone

Batteries

110529-batt 2600mAh	1x	1x	2x	2x	2x	2x
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Ready-to-use starter packages

Elsys ERS sensor + Indoor LoRa gateway + LoRa connectivity + ITalks IoT Suite for 3 months.

- [Art. nr. P110800-ITALKS](#)
ITalks starter package indoor smart building
- [Art. nr. P110800-8](#)
ITalks starter package desk occupancy

Optional

- [Art. nr. 110499](#)
Elsys ERS programming kit for upgrading firmware
- [Art. nr. 160001](#)
Magnetic mounting holder for easy installing



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