



Smart building sensors



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

*Dimensions
86 x 86 x 27 mm*

This device reads temperature, humidity, pressure, light intensity and CO2 and sends collected data over the LoRaWAN™ network. Ideally suited for a wide range of applications such as building automation, condition monitoring, predictive maintenance, security, healthcare and many more use cases.

Non powered, wireless

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

Complete solution

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

MONITOR AND CONTROL:

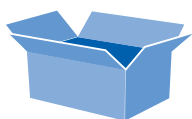
- temperature
- humidity
- light
- CO2
- accelerometer
- sound
- desk occupancy



Ready-to-use Starterskit

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

HARDWARE



CONNECTIVITY



DASHBOARD

OWN BRANDING









ITalks ERS Starterskit offers a complete solution

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

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

ITalks ERS serie

Art.nr.	110529	110493	110529-CO2	110498	110496	110497
						
	ITalks ERS	ITalks ERS Lite	ITalks ERS CO2	ITalks ERS Desk	ITalks ERS Eye	ITalks 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 Starterskits

The ERS sensor + Indoor LoRa Gateway + LoRa connectivity + ITalks IoT Suite connectivity for 3 months.

- [Art. nr. P110800-ITALKS](#) ITalks starterskit Indoor smart building
- [Art. nr. P110800-8](#) ITalks starterskit desk occupancy

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