

# ERS Series

Elsys indoor LoRaWAN™ wireless sensor



## Smart building sensors



### Monitor and control:

- Temperature
- Humidity
- Light
- Motion
- Sound
- Desk occupancy
- Room occupancy
- CO<sub>2</sub>

*The indoor LoRaWAN™ ERS sensors measure indoor climate and occupancy*

### Battery powered & wireless

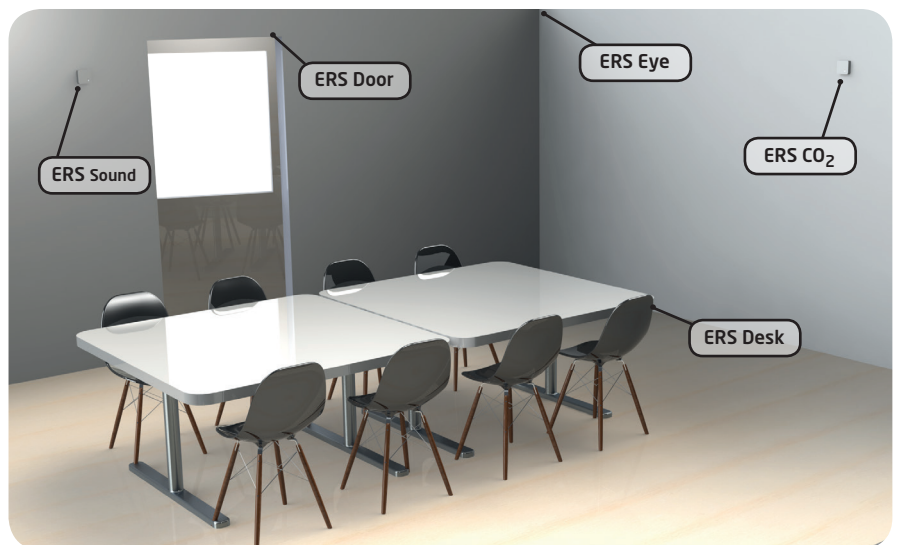
ERS sensors are completely wireless and powered by one or two 3.6V AA lithium batteries. The battery life is up to 10 years depending on the sample interval, transmit interval, data rate and environmental factors.

### Multiple options

Available sensors are temperature, humidity, light, CO<sub>2</sub>, accelerometer, sound, desk occupancy based on body heat or standing/sitting and a motion sensor (PIR). Typical applications are indoor environment sensing, desk and room occupancy.

### Easy to configure

All Elsys sensors are equipped with NFC (Near Field Communication) for easy configuration with an Android phone. You can change the sample rate, data rate, encryption keys, triggers, activation and much more with our application "Sensor Settings".



*Conference room with Elsys indoor sensors*

# ERS Series LoRaWAN™ wireless sensors



You will find different features depending on the model of your choice

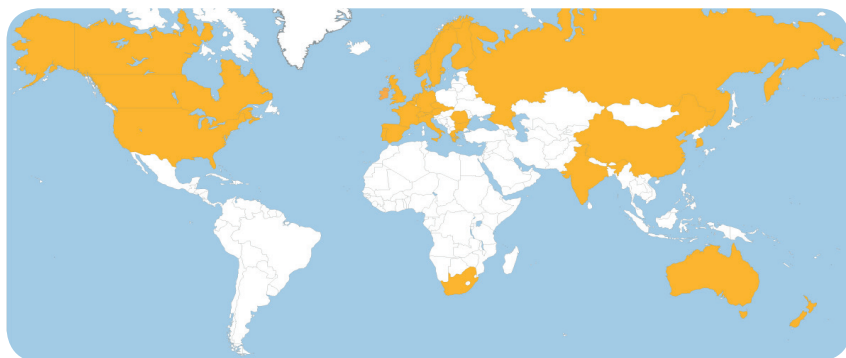
	ERS	ERS Lite	ERS CO <sub>2</sub>	ERS Desk	ERS Eye	ERS Sound
Temperature	✓	✓	✓	✓	✓	✓
Humidity	✓	✓	✓	✓	✓	✓
Light	✓		✓	✓	✓	✓
Motion PIR	✓		✓	✓	✓	✓
Sound level (Peak/Average)						✓
CO <sub>2</sub>			✓			
Room occupancy based on body heat					✓	
Desk occupancy				✓		
NFC*	✓	✓	✓	✓	✓	✓
Approx. battery life time**	10 y	10 y	10 y	8 y	5 y	2 y

\* Near Field Communication

\*\* Calculated with data sampled every 5 mins, SF 7.



Elsys LoRaWAN™ sensors around the world



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**General inquiries**

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