

ERS Series

LoRaWAN® indoor wireless sensors

LoRa
Alliance
Member



up to
10
years
battery life time

Smart building sensors



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.

Easy to configure

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

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- or room occupancy.

 Temperature

 Sound

 Humidity

 CO₂ level

 Light

 Room occupancy

 Motion

 Desk occupancy

ERS Series

Different applications. Different features.

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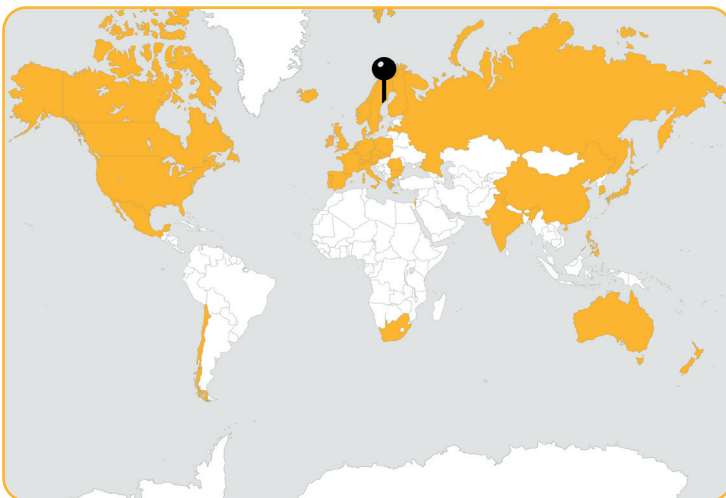


	ERS	ERS Lite	ERS CO ₂	ERS Desk	ERS Eye	ERS Sound
Temperature	✓	✓	✓	✓	✓	✓
Humidity	✓	✓	✓	✓	✓	✓
Light	✓		✓	✓	✓	✓
Motion PIR	✓		✓	✓	✓	✓
Sound level (Peak/Average)						✓
CO ₂			✓			
Room occupancy based on body heat					✓	
Desk occupancy				✓		
NFC*	✓	✓	✓	✓	✓	✓
Approx. battery life time**	10 y	10 y	10 y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

* Near Field Communication

** Calculated with data sampled every 10 mins, SF 7.

ELSYS LoRaWAN® sensors around the world



ELSYS LoRaWAN® devices can be purchased via a distributor or directly through ELSYS Webshop.

Visit www.elsys.se.

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