

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.

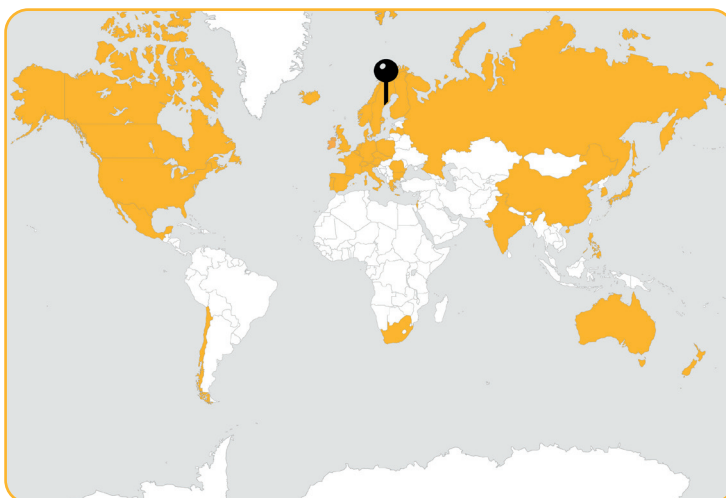


	ERS	ERS Lite	ERS CO ₂	ERS Desk	ERS Eye	ERS Sound
Temperature	✓	✓	✓	✓	✓	✓
Humidity	✓	✓	✓	✓	✓	✓
Light	✓		✓	✓	✓	✓
Motion PIR	✓		✓	✓	✓	✓
Sound level (Peak/Average)						✓
CO ₂			✓			
Room occupancy based on body heat					✓	
Desk occupancy				✓		
NFC*	✓	✓	✓	✓	✓	✓
Approx. battery life time**	10 y	10 y	10 y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

info@elsys.se support@elsys.se

+46 90 100 500
ELSYS
Industrivägen 12
90130 Umeå
Sweden