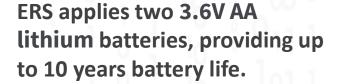


ERS is ideal for indoor comfort applications, measuring

- **Temperature**
- Humidity
- **Light (Illumination)**
- Motion (PIR)

ERS is widely used in offices,

stores, classrooms, hospitals, kindergartens, etc.



ERS is equipped with NFC for Android mobile app configuration.

ERS is compliant with standard LoRaWAN® gateways and network servers



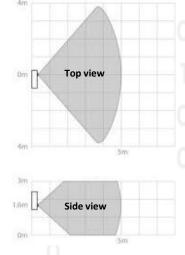




Wireless transmission		
Technology	LoRaWAN® 1.0.3	
Regional frequency support	US902 – 928, EU863 – 870, AS923, AU915 – 928, KR920 – 923, RU864, IN865	
Supported features	OTAA, ABP, ADR, Adaptive channel setup	
Security	LoRaWAN® End-to-End encryption (AES-CTR), Data integrity protection (AES-CMAC)	
LoRaWAN device type	End-device Class A/C (Configurable)	
RF transmit power	14 dB / 20 dB (Specific to regions)	
Link Budget	137 dB (SF7) to 151 dB (SF12)	
Temperature		
Range	0 to 50 °C	
Accuracy	±0.2 °C (See details below)	
Resolution	0.1°C	
Humidity		
Range	0 to 85% RH (non-condensing)	
Accuracy	± 2 % RH at 25 °C (See details below)	
Resolution	0.1% RH	



Motion (Passive infrared)		
Detection area	94 ° Horizontal, 82 ° Vertical (See details below)	
Detection distance	5 m	
Light (Illumination)		
Range	4 - 2000 lux	
Accuracy	±10%	
Resolution	1 Luv	



Motion (PIR) detection range





Physical characteristics		
Power supply	2 x 3.6V AA Lithium Batteries	
Battery life	Up to 10 years, but depends on sample interval, transmit interval, data rate, and environmental factors.	
Weight	80 g excluding batteries / 120 g including batteries	
Dimensions	86 x 86 x 27 mm	
Enclosure	Plastic, PC/ABS	
NFC	Supporting configuration via mobile Android app e.g., setting of Sampling Interval, Data upload interval, etc.	
Installation	Wall mounting	











