



Monitor Indoor Air Quality and Reduce the Spread of COVID-19



Temperature & Humidity

Display and capture temperature and humidity data.



CO₂

Get Alerts when CO₂ levels exceed desired levels. Detection Range is 400 ppm -5000 ppm.



Light

Save energy cost by capturing real-time luminance data to turn lights on and off remotely.



TVOC

Monitor total volatile organic compound(TVOC). Create actionable alerts to improve air quality.



PIR Motion Sensor

Reliably detect presence of humans to automatically turn lights on and off.



Barometric Pressure

Monitor the air pressure to prevent air leakage, and save energy.

According to CDC, COVID-19 can spread beyond 6 ft range in an indoor environment via airborne particles. Therefore, it is essential to improve ventilation and keep the air clean. TALOSYS ambiance monitoring system can help ensure that the ventilators are working properly and the indoor air quality is at the optimum level.



← End to End AES Encryption →

Optional Controller is available for controlling lights, ACs, and ventilators.

TALOSYS Inc., 4445 Eastgate Mall, Suite 200, San Diego, CA 92121 | Toll Free: (855) 940-4449

www.talosys.io

SPECIFICATIONS

Frequency		CN470/RU864/IN865/EU868/US915/AU915/KR920/AS923
Tx Power		20dBm
Sensitivity		-147dBm @300bps
Mode		OTAA/ABP
Power Supply		2 × alkaline AA batteries
Battery Lifetime		1 year (SF7)
		0.9 year (SF12)
Temperature	Range	-4°F to + 160°F
	Accuracy	±0.5°F (32°F – 160°F), ±1.0°F (-40°F– 32°F)
Humidity	Range	0% to 100% RH
	Accuracy	±3% RH (10% – 90%), ±5% RH (0% – 10%, 90% – 100%)
PIR	Detection Area	94 ° Horizontal, 82 ° Vertical
	Detection Distance	16 ft
Light	Range	60000 lux (Visible + IR, IR)
	Accuracy	±30%
CO2	Range	400 – 5000 ppm
	Accuracy	±30 ppm or ±3 % of reading
TVOC	Range	0 – 60000 ppb (total VOC)
	Accuracy	±15 % of reading
	Long-term Stability	1.3 % accuracy drift per year
Barometric Pressure	Range	300 – 1100 hPa (-40°F – 185°F)
	Accuracy	±1 hPa

SAFEGUARD YOUR INDOOR ENVIRONMENT



School Gyms



Restaurants



Hospitals



Place of Worship



Entertainment