

[Features]

- Built-in battery, no wiring: just place it in the fridge and go.
- Optional temperature, temp/humidity, CO2, PM2.5 or TVOC sensors.
- Bluetooth Mesh instead of star topology for flexible deployment.
- Each unit is both sensor and relay: more units, wider coverage.
- Built-in 15000mAh Li-ion battery for long, low-maintenance use.
- Temp/RH model: 1+ year battery at 1 reading/min with good signal.
- Point-to-point range: 30 m indoors, up to 70 m outdoors.
- Reaches through walls, floors and even buildings for large sites.
- Up to 10 relay hops to easily extend communication range.
- Reports readings, battery level and return rate in real time.
- Check each sensor's response status: link quality at a glance.
- Calibration by TAF-accredited labs for credible, audit-ready data.



[Applications] Medical fridges, greenhouses, indoor air quality, cold chain

[Model Selection]

SKYNET - Code 1 - Code 2 - Code 3

Code 1	Function	Code 2	Sensor	Code 3	Power
S	Sensor node	T	Temperature	B	15000mAh Li-ion battery
		TR	Temp./Humidity		
		CO2	Carbon dioxide	5	5V Type-C power adapter
		P2	PM2.5		
		V	TVOC (semiconductor)		

※For Client or Repeater, please refer to OBT

[Accessories]

Model	Item	Specification
BAT-37-15	Skynet Li-ion battery	DC 3.7V 15000mAh
CH37	3.7V Li-ion charger	In: AC100~240V / Out: DC4.2V 2A
SKYNET-L	Skynet L-bracket	100×80×50mm / SUS304 stainless steel
SKYNET-Tripod Mounting	Skynet tripod mount	Ø80×5.5mm / SUS304 stainless steel

CH37



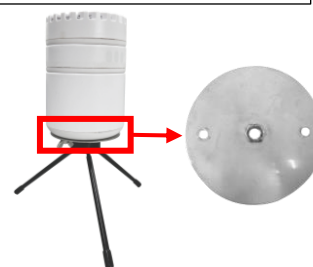
BAT-37-15



SKYNET-L



SKYNET-Tripod Mounting

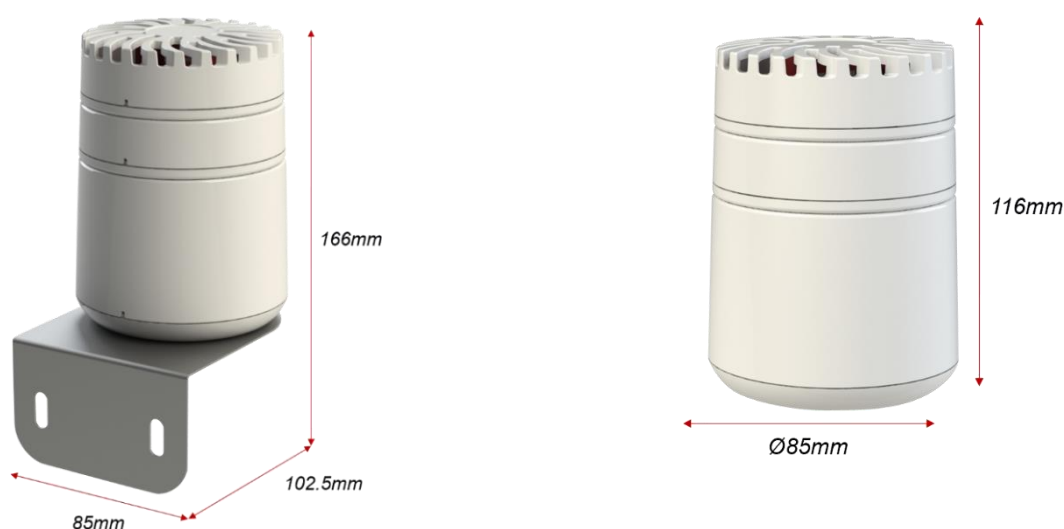


[Specifications]

Power	Type-C 5VDC or 3.7V Li-ion battery	Consumption	62mW
Communication	Bluetooth BT Mesh		
Signal input	Optional temperature/humidity, CO2 or PM2.5 sensor		
Dimensions	Ø85x116(mm)		
Weight	<550 g		
Certifications	CE (EU) FCC (USA)		
Patent	Taiwan Utility Model Patent No. M594326		

Sensor Specifications						
Item/Principle	Range	T90	Operating temp.	Resolution		Settling time (after relocation)
Temp(resistive)	(-)25~(+)85°C	<120Sec	(-)25~(+)85°C	~0.1°C		< 40min
RH(capacitive)	0% ~ 100%	<120 Sec	(-)25~(+)60°C	~0.1%		< 40min
CO ₂ (infrared)	0~10,000ppm	<120 S	0~50°C	1ppm		±30ppm ±3% of Reading 10sec
PM2.5(laser)	0~1,000µg / m ³	<90 S	-10°C~65°C	0.1 µg/ m ³		±10µg/ m ³ ±5% of Reading 5min
TVOC (semi-conductor)	0~60ppm	<90 S	0°C~40°C	Range	Resolution	±10% 5min
				≤2.008 ppm	1 ppb	
				≤11.11 ppm	6 ppb	
				≤60 ppm	32 ppb	

[Dimensions] mm



[Application Architecture]

