

Spacemon v3

Model: GM-SM-3 Abbreviation: SM

Installation Manual

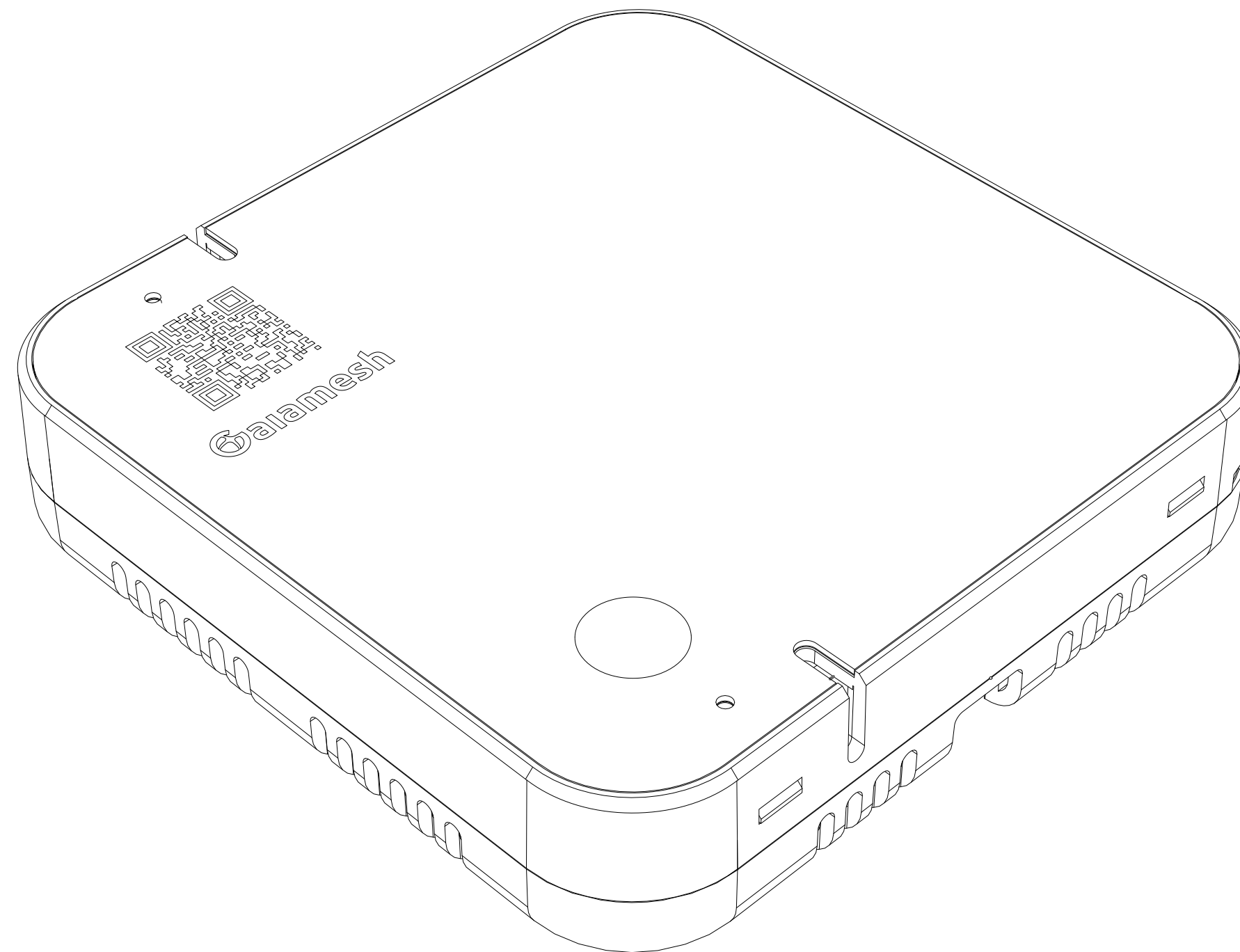


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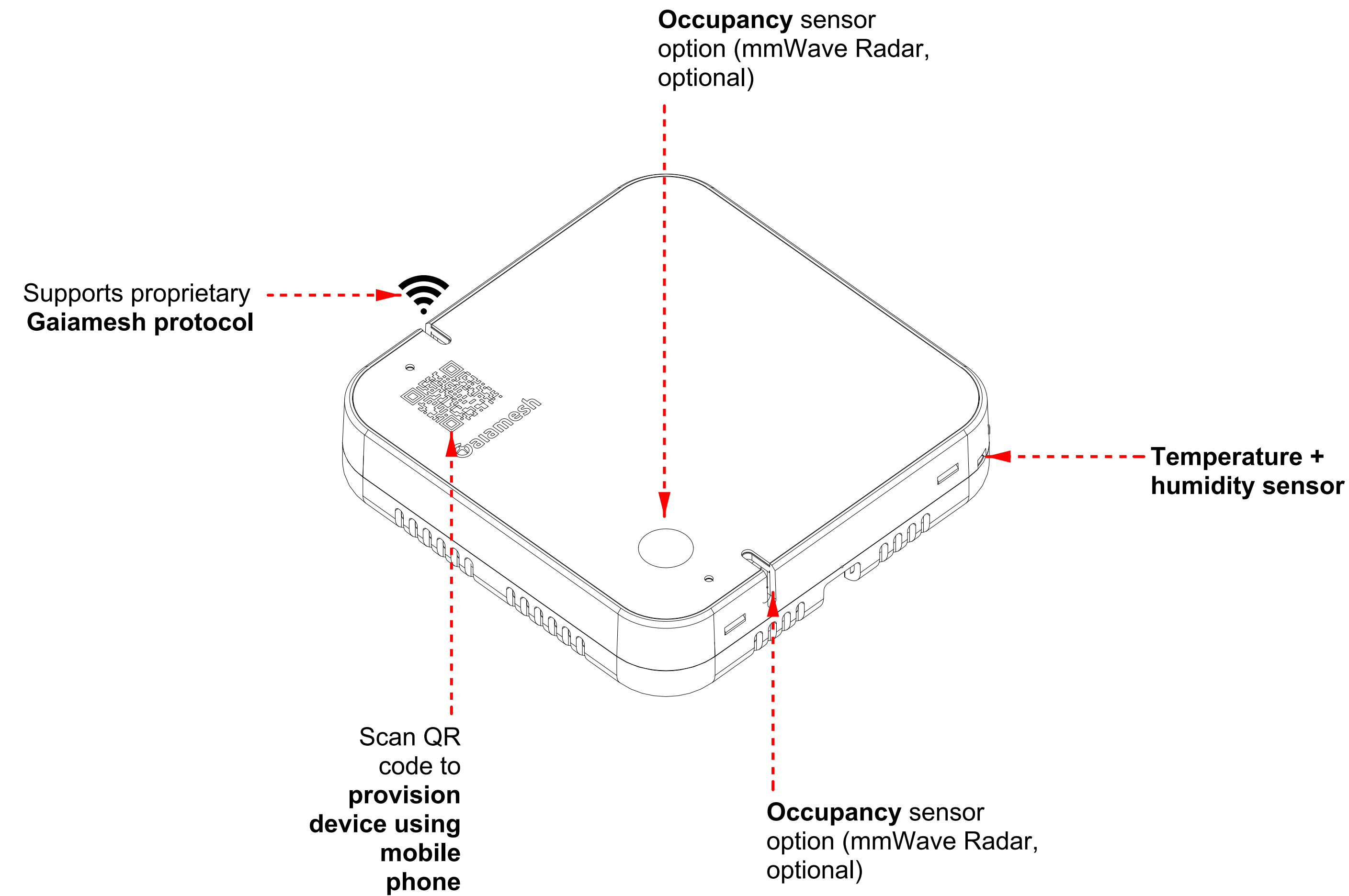
Product Highlights

Simple installation – simply provide 220VAC power and mount in 86 box.

Seamless commissioning – device automatically joins wireless mesh and links to cloud upon power-up.

Best-in-class **CO2, PM2.5, TVOC** sensors.

Ultra-sensitive occupancy monitoring based on mmWave Radar technology with up to **8m / 120 degree** detection range.

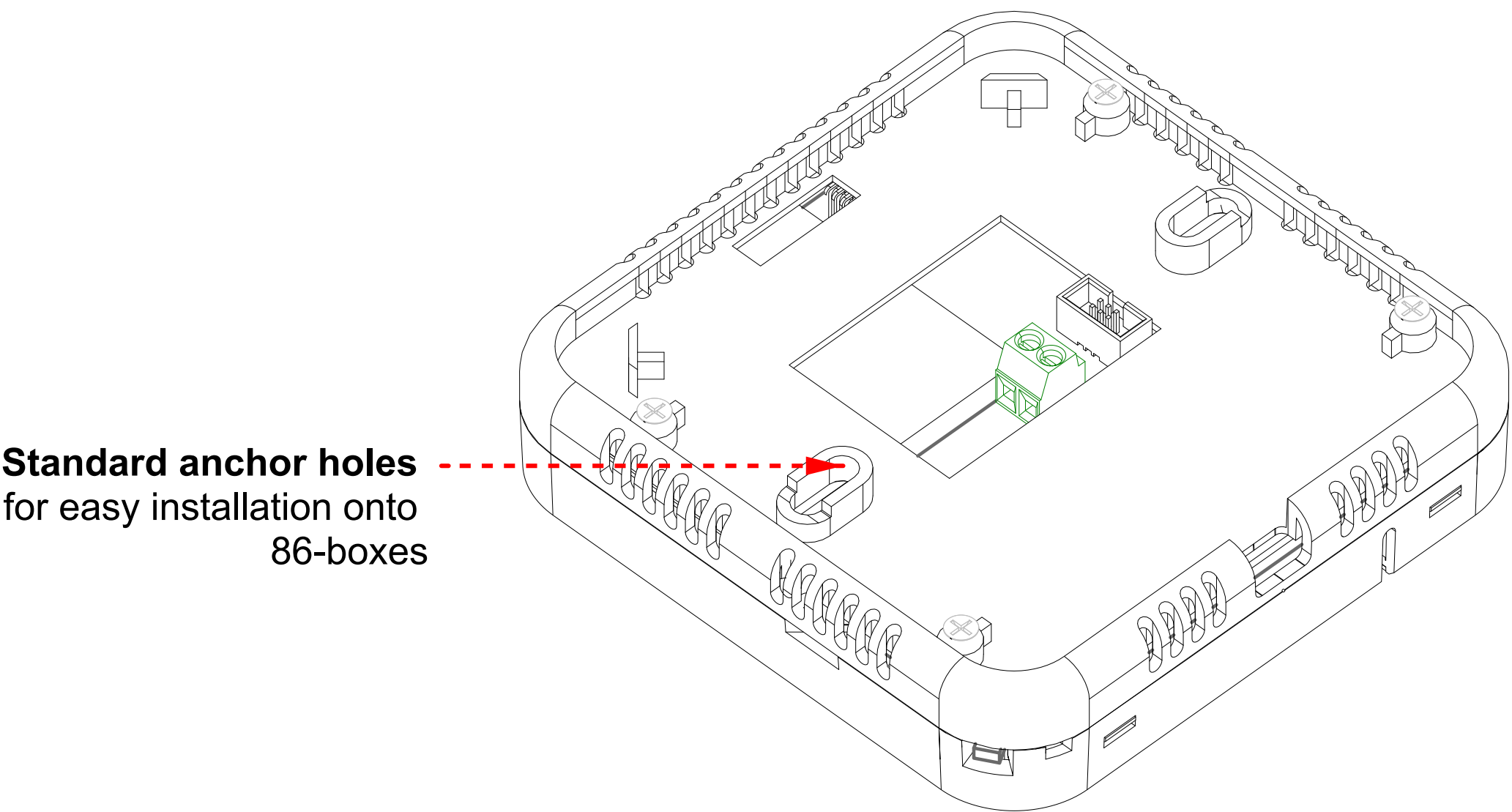


Use Cases

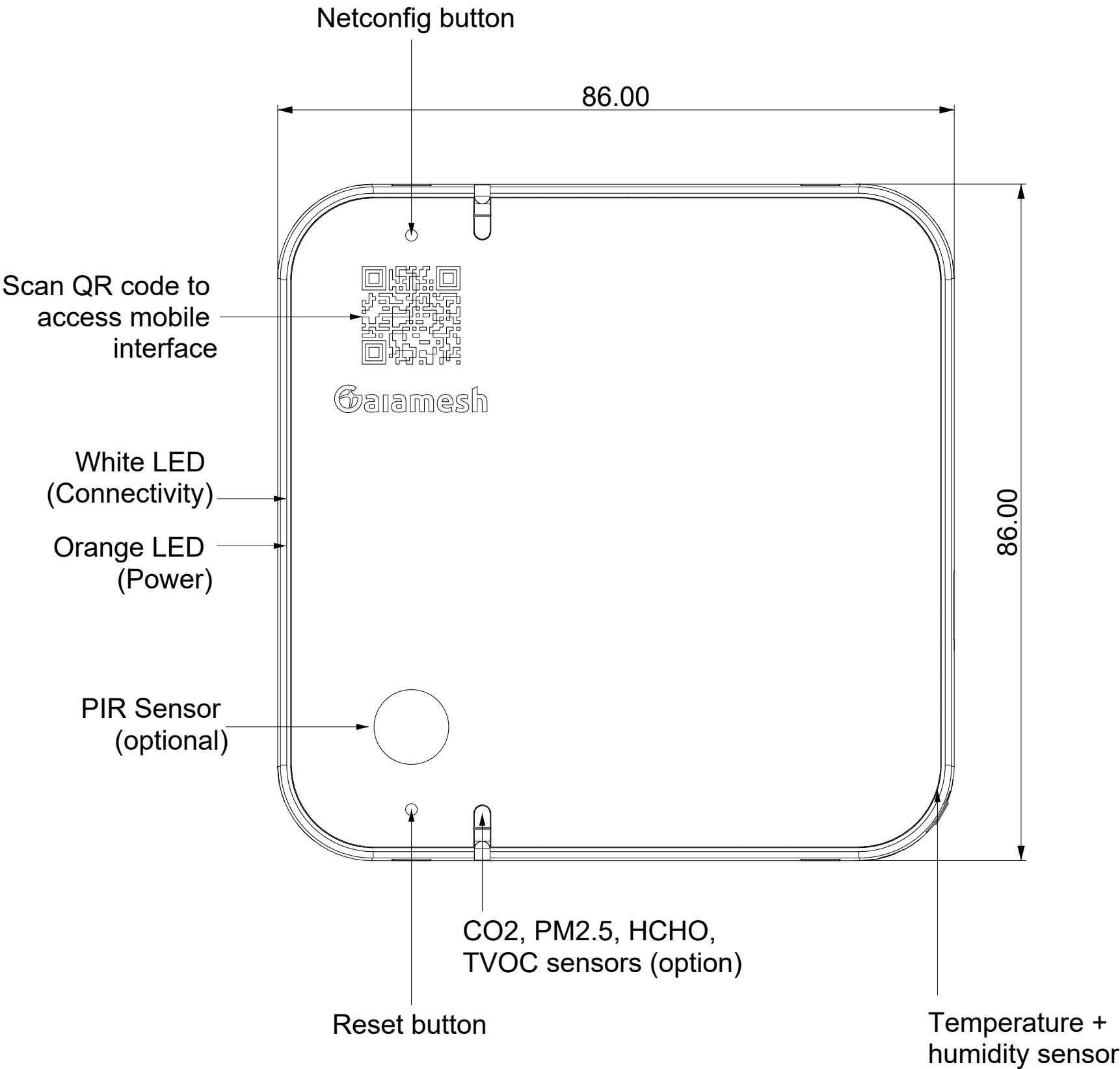
Occupancy-based control for AHU / VRV systems

Indoor CO2 monitoring for integrated **AHU control**

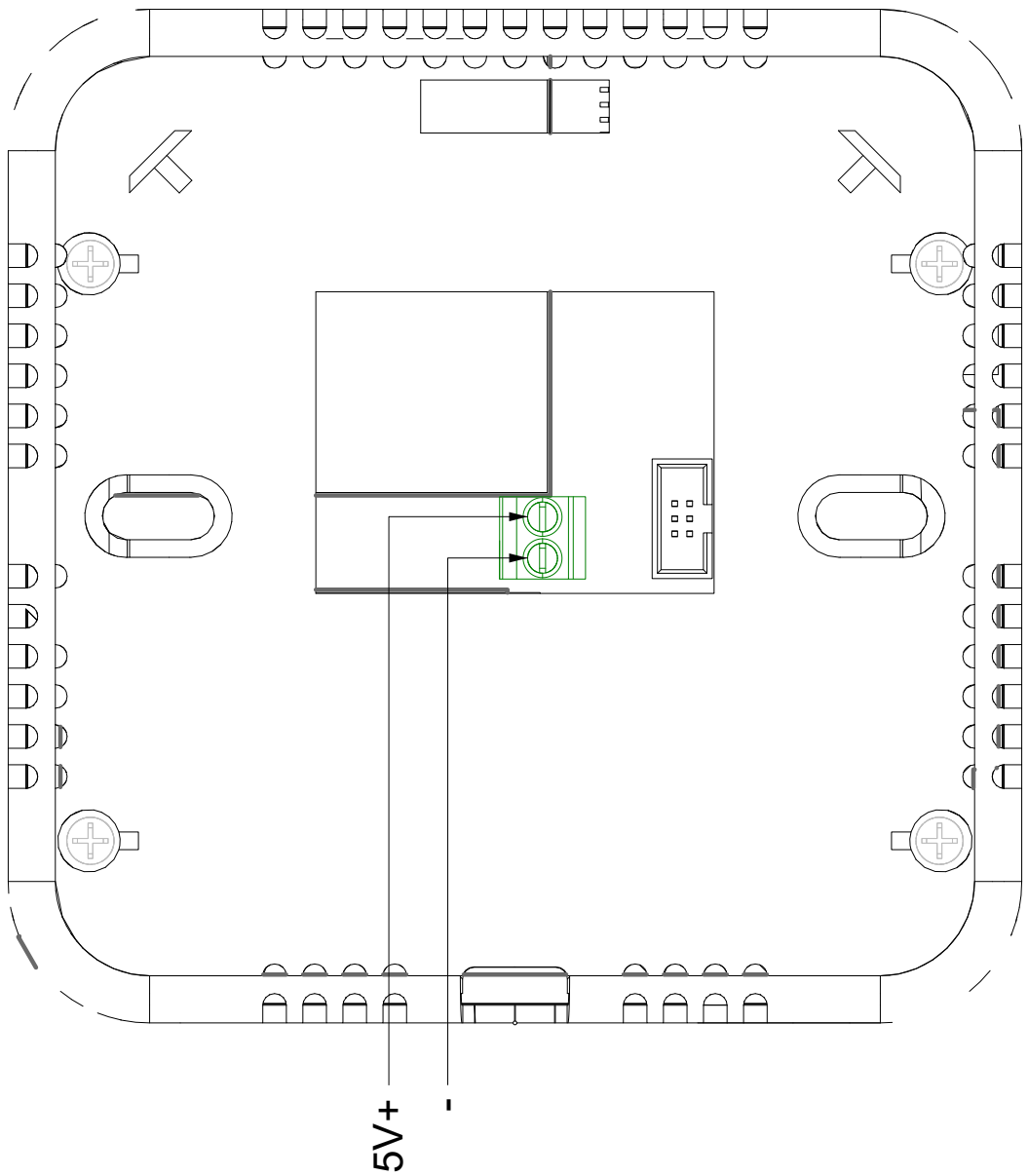
Indoor air quality monitoring for **LEED certification**



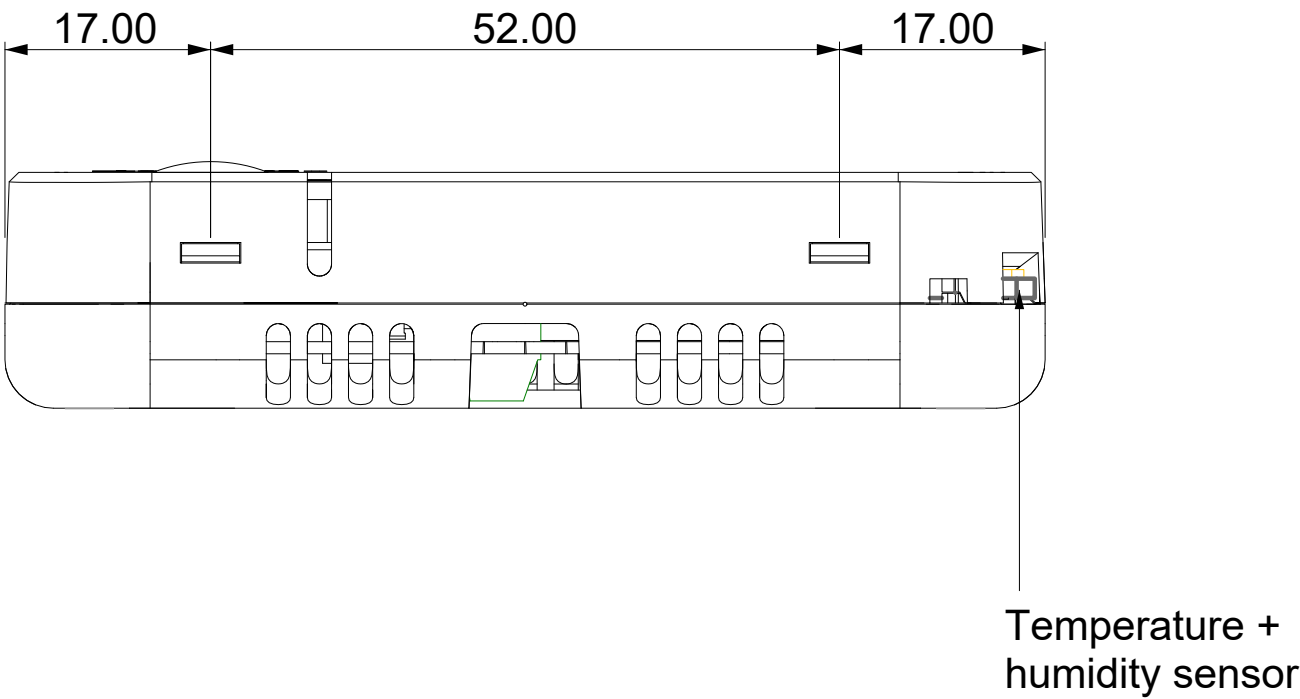
Top



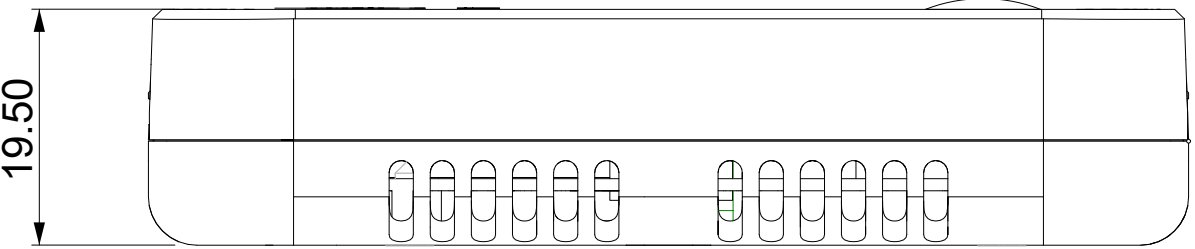
Bottom



Front



Left



Monitor

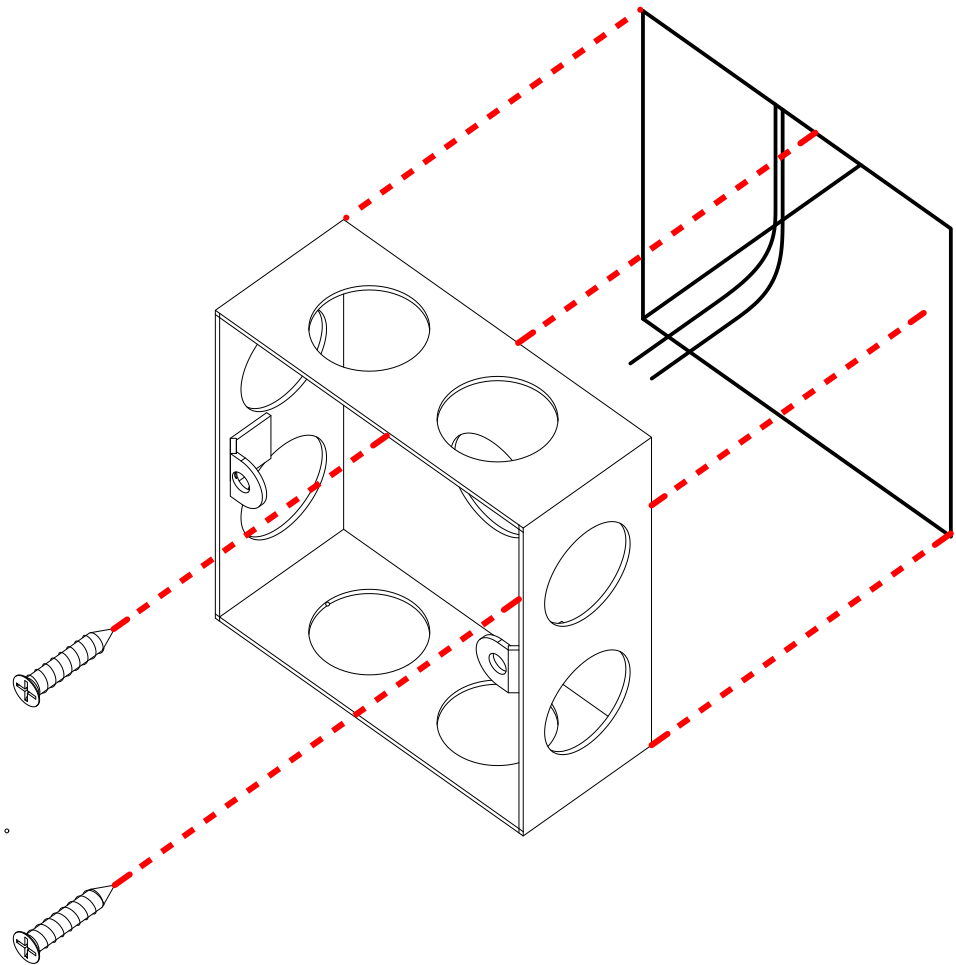
Sensors		Sensor type
Temperature	✓	Digital sensor
Humidity	✓	Digital sensor
Occupancy	✓	Passive Infrared (PIR)
CO2	✓	Non-dispersive Infrared (NDIR)
TVOC	✓	Metal oxide semi-conductor (MOS)
PM2.5	✓	TSI18530
PM10	✓	TSI18530
HCHO	✓	Electrochemical

Wireless IO		Protocol
Wifi	✓	802.11 b/g/n

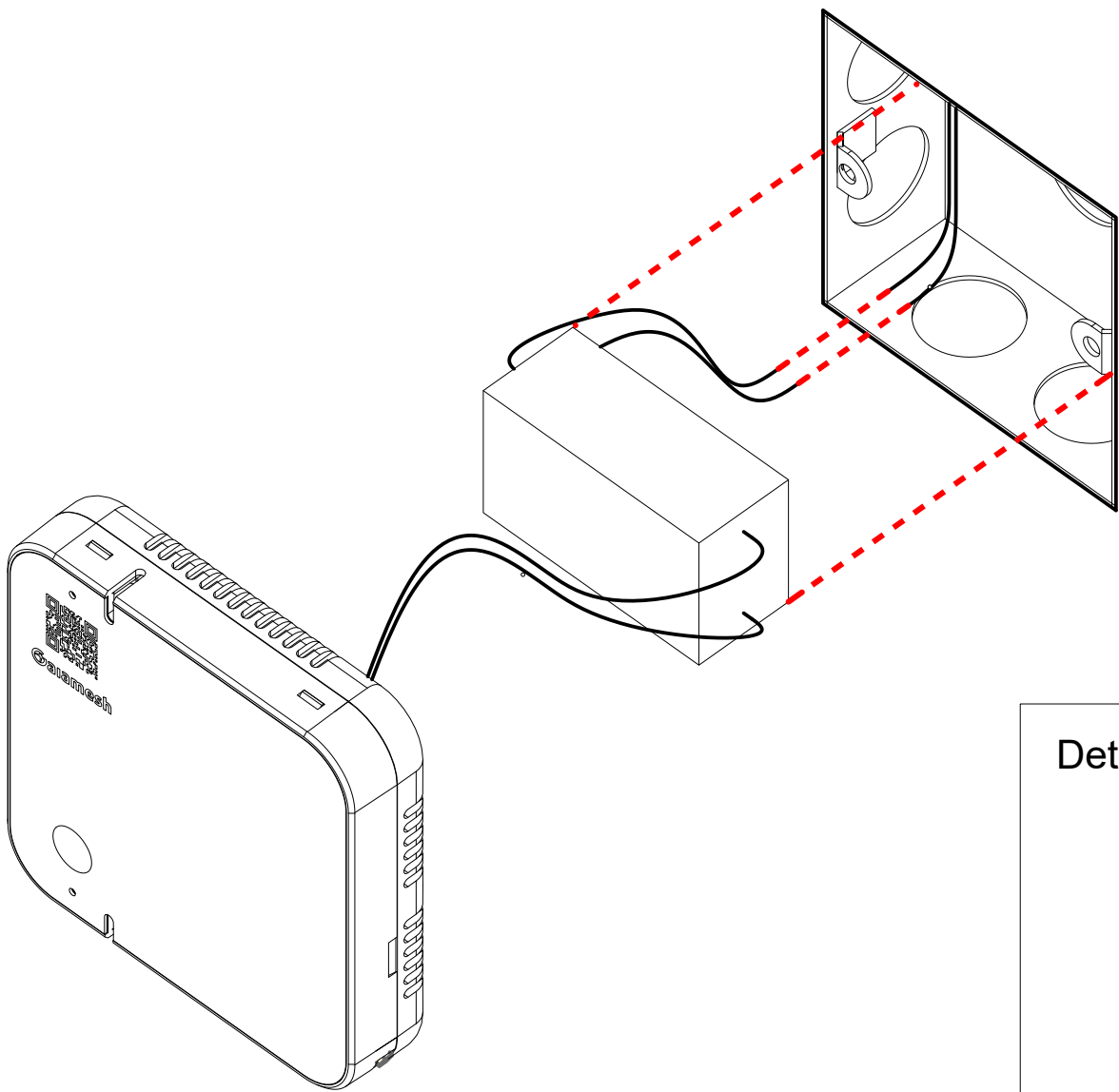
✓ Included	✓ Option
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MODEL SELECTION	Temp + humidity	Occupancy	CO2	PM2.5, TVOC
GM-MT-3	✓			
GM-MO-3	✓	✓		
GM-MC-3	✓	✓	✓	
GM-MQ-3	✓	✓	✓	✓

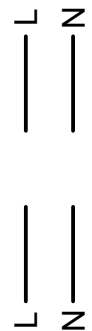
Step 1 - install 86 box inside wall (hidden installation condition, shown) or mounted on wall (exposed installation condition, not shown)



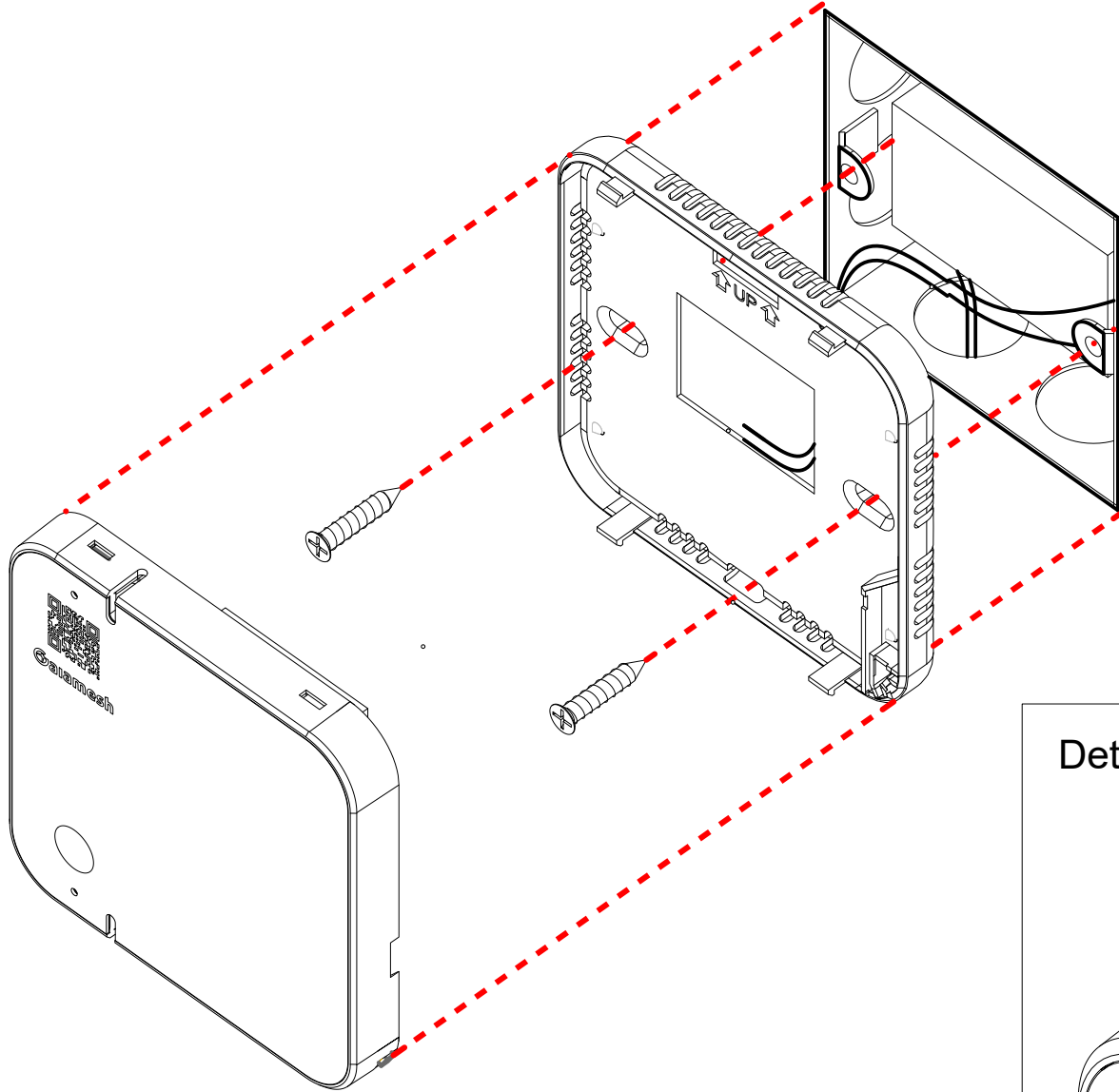
Step 2 - connect power supply (see Detail A)



Detail A

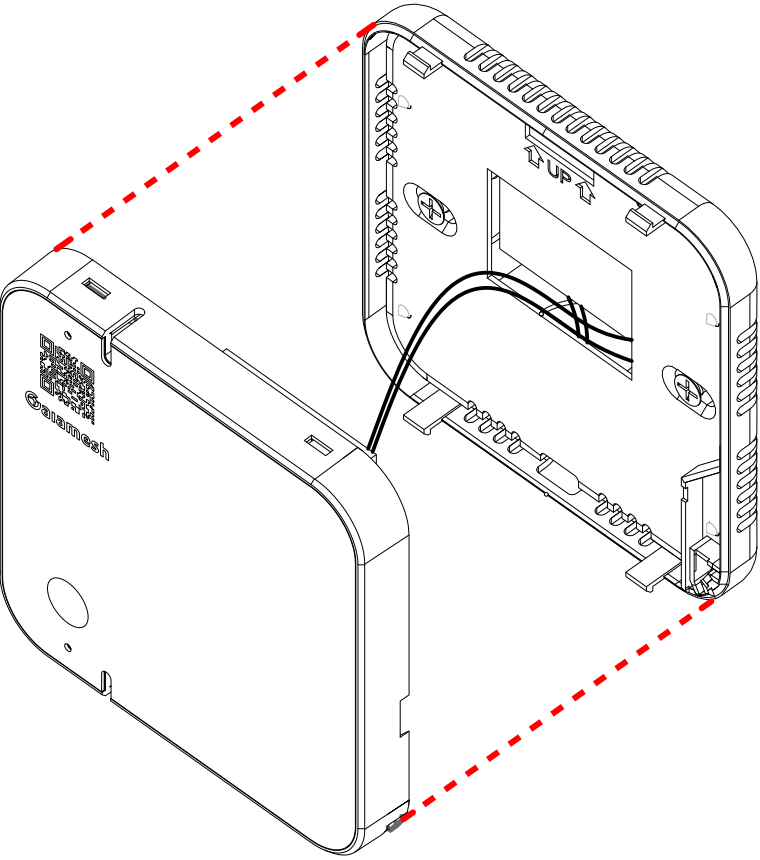


Step 3 - use flathead screwdriver to open node lid (see Detail B), mount node to 86 box using 2 flathead screws



Detail B

Step 4 - close node lid



Step 5 - power on and check LED status and ensure all LEDs are indicating an "OK" status (see Table 1). Contact tech support if needed.

Blue LED (wireless connectivity)
Green LED (power)

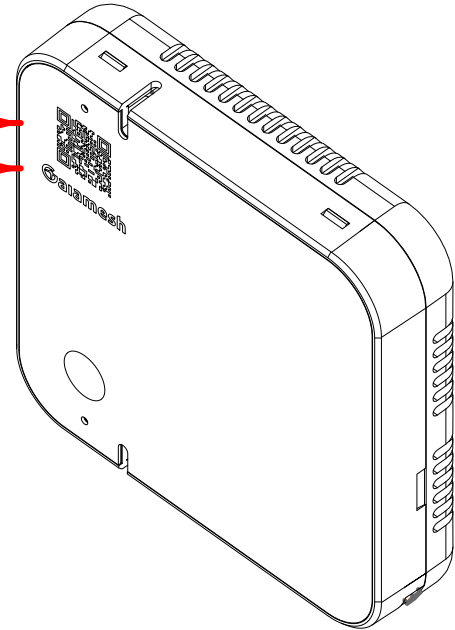


Table 1 - LED status

	Blue LED	Green LED
No light		No power - check power supply
Continuously on	Parent / Leaf node no connection Contact tech support	Power OK
Continuously blinking	Parent / Leaf node connectivity OK	
2 blinks + 3 sec pause	Root node connectivity OK	
3 blinks + 3 sec pause	Root node no connection Contact tech support	
Random blinking		