Bluetooth multi sensor   AMBINODE

Dimensions

A mm	B mm	H mm	m kg
150	150	30	0,350

Description

AmbiNode® offers the most advanced A.I enabled building sensor. It measures temperature, relative humidity, CO_2, barometric pressure, presence and light level (Lux).
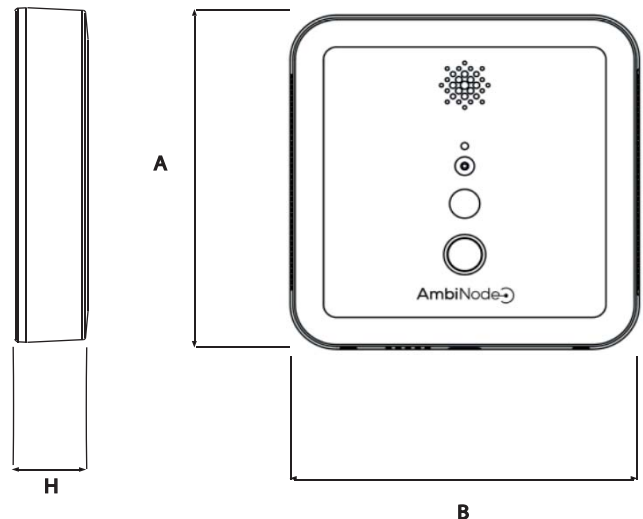
Ambinode connects to the LeapSense web application, which is a cloud solution that allows end users to collect data, run analytics and connect with third party systems.

The AmbiNode can send values for CO_2, temperature, relative humidity and presence (PIR) to the FTCU. The AmbiNode can also receive data from the UltraLink FTCU and FTMU and send it to the LeapSense web application.

It can collect damper flow rate, damper air temperature and damper position from up to 2 FTCU or FTMU (simultaneously).

The AmbiNode is delivered in two different versions:
SensorBT WIFI
Sensor BT WIFI + 4G LTE

Standard specification

Measure CO_2 , temperature, relative humidity, barometric pressure, lightning levels, and presence.

Sensors:

- CO_2 :0-5000 ppm (±30 ppm ±3% of reading), NDIR
- Temperature: -20 to +50°C accuracy (±0.5°C)
- Relative Humidity: 1-99% accuracy (±3%)
- Barometric pressure: 300-1100 hPa (±1%)
- Lux meter (Lumens/m^2): 0-10000 (lm/m^2)
- PIR sensor (movement and presence): 130° field of view, max 5 meter range

Power supply:
Option 1: 5V DC (micro USB)
Option 2: 24 V AC/DC (twisted pair)
Average power consumption: 250 mA during sensing, standby power consumption 0,05 mA

Data backhaul connectivity:
Option 1: Wifi 802.11 a/b/g (standard)
2.4 Ghz only
Option 2: 4G LTE, UMTS/HSPA (not standard)
Sensing frequency:
Data posting frequency : 60 seconds
Sensor sampling: 100-250 milli-seconds
Security:
Dedicated cryptographic chip with SHA-256 , high quality RNG and 72 bit UUID.

Ordering example

	AMBIN- ODE	WIFI / WIFI + 4G LTE
Product		
Type		

Lindab®