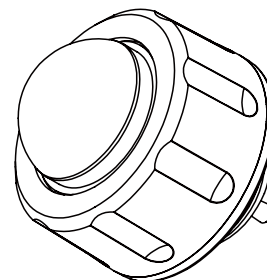


PROJECT

TYPE

CATALOG



The ANT-21P-4T-H-BLE-GE features a compact, low-profile design ideal for wall-mounted fixtures with limited space, using passive infrared (PIR) detector architecture for improved detection coverage in high bay applications; it utilizes a Bluetooth® low energy (BLE) mesh network, with dim levels and schedules easily configurable through the Bluezone app.

OVERVIEW

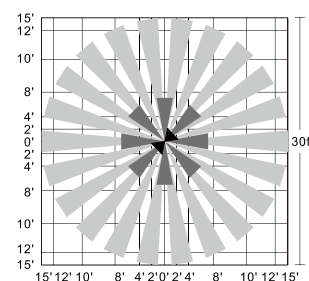
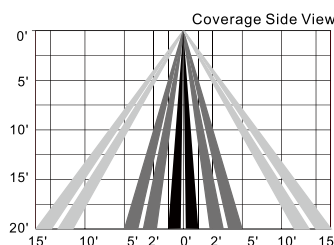
- Passive Infrared Sensor.
- Daylight Harvesting.
- Bluetooth® SIG mesh.
- High-End Trim, Zoning, Continuous Bi-level Dimming.
- LED Motion indicator.
- Mounting height up to Max 20ft (6m).
- 360° coverage pattern.
- Low Voltage Connector.
- Connector type: 3.5mm low-voltage audio jack.
- Mounts via G1/2 threaded base.
- **Warranty:** 5 years. Full terms at www.bluezonelnlc.com/warranty.
- **Factory Reset:** (1) Magnetic reset-hold magnet to side of sensor for 5 seconds. (2) Remote reset-press "RESET" buttons (Remote control sold separately).

FEATURES AND BENEFITS

- Bluetooth to 0-10V signal converter, Bluetooth® mesh network.
- Built-in 20mA 0-10V signal output.
- Mesh network, offering extended control distance through device-to-device signal relay.
- Broadcast control of all 0-10V line devices via mobile application.
- In typical unobstructed environments, the wireless communication range is approximately 100ft (30m). The actual range may vary based on the installation conditions.
- Actual range is dependent on field installation.
- Standard magnetic reset (Touch the side part of sensor for 5 seconds) and remote reset (Press "RESET"+" ON/OFF" buttons in sequence).
- On-board antenna.
- Pair devices, form groups, establish scenes and schedules, and modify high-trim/dim levels using the Bluezone mobile app available on IOS and Android.
- No gateway or hub required - direct mobile app control.
- Individual address ability and grouping capability.
- Offers multi-level dimming: Manual ON/OFF, Automatic ON/OFF, and Automatic Partial ON/OFF.
- Scene creation and time-clock scheduling for individual lights, groups, or scenes.
- High-Trim / Tuning allows setting the maximum light level for each space.
- AES 128-bit encryption with secure commissioning.

SENSOR DETECTION COVERAGE

Mounting Height (ft)	Max Coverage Diameter (ft)
10'	15'
15'	22.5'
20'	30'



ORDERING INFORMATION

Part Number	Description
ANT-21P-4T-H-BLE-GE	Bluetooth Passive Infrared Sensor, 3.5mm jack, White

SENSOR SETTINGS

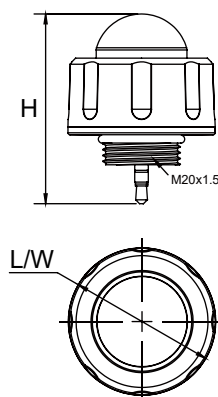
Setting	Range/Default	Setting	Range/Default
Default Sensitivity	100%	Daylight Harvesting	ON/OFF (app configurable)
Hold Time (Occupied)	0-59 minutes	Daylight Threshold	0-1500 lux
Second Time Delay (Dim Hold)	0-59 minutes /infinite	Sensing Type	Occupancy or Vacancy
Brightness when Triggered	1-100% (default 100%)	Detection Horizontal Pattern	360°
Standby Dim Level	1-100% (default 30%)	Detection Range @20ft mount	Up to 30ft diameter
Vacant Action	Off or On at Dim Level		

TECHNICAL DATA

Parameter	Specification	Parameter	Specification
Motion Sensor	Passive infrared sensor	Warranty	5 years
Input Power	10-14VDC,max 50mA	Weight	
Control Output	0-10V,max 25mA sinking current	Color / Finish	White
HF System	N/A	Enclosure Material	Polycarbonate
Transmission Power	<0.2mW	Wireless Standard	Bluetooth SIG Mesh / BLE 5.0
Mounting Height	20ft (6m) Max.	Mesh Range (node-to-node / commissioning)	100ft/50ft
Detection Angle	360°	Encryption	AES 128-bit
Operating Temperature	-4°F~+140°F(-20°C~+60°C)	Mobile App	Bluezone App (IOS /Android)
IP Rating	IP65	Gateway Required	Optional
Max Bluetooth Range	164ft (50m)		

COMPLIANCE & CERTIFICATIONS

Item	Status / Reference
Safety Listing	N/A
DLC NLC Qualified	pending
FCC	Part 15 Class A
Bluetooth Qualification (BQB)	pending
Cybersecurity	ISO 27001, ISO 27017, CSA STAR & ioXt



L (in)	W (in)	H (in)
1.48	1.48	1.9