

PROJECT

TYPE

CATALOG #



The ANT-1M-5T-BLE-GE uses microwave motion detector architecture, supports 0-10V dimming, and integrates into a BlueZone™ Bluetooth® low energy (BLE) mesh network, allowing dim levels and schedules to be configured through the Blue Zone app.

OVERVIEW

- Microwave sensor.
- Bluetooth® SIG mesh.
- High-End Trim, Zoning, Continuous Bi-level Dimming.
- LED Motion indicator.
- Mounting height up to Max 12ft (4m).
- 360° coverage pattern.
- Low Voltage Connector.
- Connector type: 3.5mm low-voltage audio jack.
- **Warranty:** 5 years. Full terms at www.bluezonenlc.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).

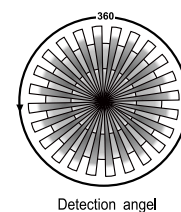
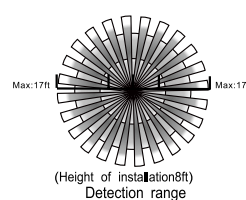
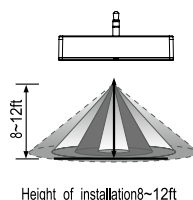


FEATURES AND BENEFITS

- Bluetooth to 0-10V signal converter, Bluetooth® mesh network.
- 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.
- 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'	20'
20'	40'
30'	60'
40'	80'



ORDERING INFORMATION

Part Number	Description
ANT-1M-5T-BLE-GE	0-10V Bluetooth Microwave Fixture Sensor

SENSOR SETTINGS

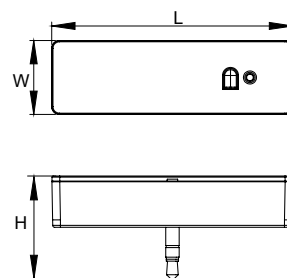
Setting	Range/Default	Setting	Range/Default
Default Sensitivity	100%	Daylight Harvesting	ON/OFF (app configurable)
Hold Time (Occupied)	0-59 minutes	Daylight Threshold	0-1500 lux
Second Time Delay (Dim Hold)	0-59 minutes /infinite	Sensing Type	Occupancy or Vacancy
Brightness when Triggered	1-100% (default 100%)	Detection Horizontal Pattern	360°
Standby Dim Level	1-100% (default 30%)	Detection Range @12ft mount	Up to 34ft diameter
Vacant Action	Off or On at Dim Level		

TECHNICAL DATA

Parameter	Specification	Parameter	Specification
Motion Sensor	Microwave sensor	Warranty	5 years
Input Power	10-14VDC, >50mA	Weight	0.423oz (12g)
Control Output	0-10V, max 25mA sinking current	Color / Finish	White
HF System	5.8GHz ± 75MHz	Enclosure Material	Polycarbonate
Transmission Power	<0.2mW	Wireless Standard	Bluetooth SIG Mesh / BLE 5.0
Mounting Height	12ft (4m) Max.	Mesh Range (node-to-node / commissioning)	100ft/50ft
Detection Angle	360°	Encryption	AES 128-bit
Operating Temperature	-40°F~+158°F(-40°C~+70°C)	Mobile App	Bluezone App (IOS /Android)
IP Rating	IP20	Gateway Required	Optional
Max Bluetooth Range	100ft (30m)		

COMPLIANCE & CERTIFICATIONS

Item	Status / Reference
Safety Listing	cULus Listed
DLC NLC Qualified	pending
FCC	Complies with Part 15B - FCC ID:2AVMOANT-2
Bluetooth Qualification (BQB)	pending
Cybersecurity	ISO 27001, ISO 27017, CSA STAR & ioXt



L (in)	W (in)	H (in)
2.44	0.75	1.04