autani
building controls

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Model #:
A610MT-ZB

Zigbee

Device Label:
Model #

- Lighting
- Motion
- Occupancy
- Tempearture

2

Mechanical Dimensions:
Inch [mm]

Material:
5VA PC Plastic Case

Weight:
47 Grams (1.66 oz.) Typical

1.093 [27.75]

.790 [20.07]
2.200 [55.88]
2.990 [75.95]

1.280 [32.51]

1.500 [38.10]

Labeling Surface

ZIGBEE RESET BUTTON

ZIGBEE GREEN LED

1

⚠️

- ❑ Turn power **OFF** at the circuit breaker before installing the sensor.
- ❑ Sensor must be installed and used in accordance with appropriate electrical codes and regulations.
- ❑ Installation to be performed by a qualified and trained electrician.

3

Mounting

The A610MT-ZB can be mounted through drop ceiling tiles or in commercial lighting fixtures such as troffers, supended linears, and surface mounts.

4

Commissioning

Setup and adjustments are performed through EnergyCenter. EnergyCenter allows for adjustment of motion sensitivity, standby/dimming time delays, and dimming level.

Operation

After it is commissioned with a Autani Manager and/or core, the sensor can be programmed to apply 100% dimming to Dim-to-Zero compatible 0–10V dimmable lights when motion is detected. When movement is no longer detected and the standby time delay expires, lights can be dimmed according to a set level and can be switched off after a dimming time delay expires. All aspects and sequence of operations are configurable through EnergyCenter.

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Wiring

When installing the Sensor, make sure that power has been turned OFF at the breaker panel.

A610MT-ZB
Included 1M Cable

12VDC UL Class 2 Power Source

AUX +12VDC → +12VDC
→ 12VDC GND
AUX Common → DIM+
→ DIM-

RJ9 4P4C
1 BLACK = DIM-/GND
2 RED = +12VDC
3 GREEN = DIM-/GND
4 YELLOW = DIM+

VIOLET (0-10V) Dim (+)
PINK (0-10V) Dim (-)

AC Line (BLACK)
AC Neutral (WHITE)

Dimming LED Driver or Dimming Ballast (0-10V)

(+)
(-)

LED

NOTE: Per NEC/UL, the 0-10V negative dimming wire color has changed from Gray to Pink effective January 1, 2022.

6

Coverage Pattern

Side View

0'
15'

15' 7' 5' 3' 0' 3' 5' 7' 15'

Top View

15'
10'
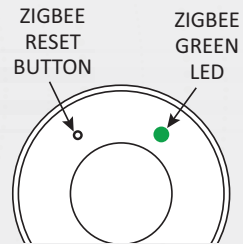5'
0'
5'
10'
15'

15' 10' 5' 0' 5' 10' 15'

30'

Zigbee Radio Reset Instructions

Hold reset button for 11 seconds. The lighting load will transition and the LED Green will flash.

Once the reset is performed successfully, the device will search for a network and can be added through EnergyCenter®.

NOTE: If the LED is blinking, then its searching for a network.

Colors	Meaning
Solid Green	Joined to a Network
Flashing Green	Joining/Leaving Network
No green	Hardware issue/LED OFF for >3 minutes with power applied

ZIGBEE RESET BUTTON   ZIGBEE GREEN LED

Serial Number Information and Tracking

The serial number or ID of a device is used to track device installation locations and details for the commissioning process. The identification information for each device should be tracked in a meaningful way, many devices include duplicate 'stickers' with this information. Autani provides an iOS app to assist with the process.

For help getting starting with the iOS Commissioning App please see Autani's User Guide for the iOS Commissioning App.

Once commissioning details are collected, either through the iOS Commissioning App, or by tracking identifiers on drawings/spreadsheets. Please provide this information to support@autani.com to begin the commissioning process.