

## Description

The Autani fixture controller provides a simple lighting control node that is powered from its attached light fixture. The versatile carrier mount allows for easy installation in any ceiling. Wireless communications using Zigbee 3.0 paired with industry leading chip sets provide a node that takes connected lighting to new heights. The controller captures data that is processed locally and transmitted over the *autaniNet* network, enabling the full power of Autani EnergyCenter and Autani Insights.

This specification grade, factory installed controller has capabilities including on/off and 0-10v continuous dimming. The sensor communicates utilizing *autaniNet* wireless to be discovered, paired and programmed as part of our connected lighting platform. Utilize the controller in tandem with A630-M MultiSensor to create Energy code compliance for any space.

## Applications

*Autani fixture controllers are suitable for renovation, upgrade, and new construction projects where individual fixture control and/or monitoring is desired. Controllers can be paired with the A630M-Multisensor.*

- Private & Open Offices
- Corridors & Hallways
- Patient Care Rooms
- Retail & Grocery Stores
- K-12 Schools & universities



## Features

- Wireless Control of Luminaries on/off
- 2.4GHz, +8dBm RF, -12dBm transmit power
- 0-10V dimming control, 50mA Sink
- Compatible with Electronic Ballasts & LED Drivers that comply with IEC60929 Annex E2, 0-10V Dimming
- Use with Dim to OFF ballasts & LED drivers
- UL244A Listed
- FCC Certified
- Zigbee 3.0
- ½" Trade Size Knockout mount
- IP50 Dust Proof Design

## Specifications

### POWER SUPPLY

- Voltage: 12VAC input/ 12VDC output
- Power: 13 watts max.

### I/O SUPPORT

- Input Voltage: 14VDC 10VDC min
- Input Current: 200mA Peak
- Control Transmit power: +12dBm
- Control Receive power: -95dBm
- Sink Current: 50mA
- Absolute Voltage Range on 0-10V: -20V, +20V
- Dimming Range: .2V - +10V
- LAN: 1x10/ 100/ 1000 Ethernet, TCP/ IP v4

### PROTOCOLS

- Wireless: 802.15.4 with mesh networking
- Ethernet: HTTP/ HTTPS
- Security: Internal firewall, isolated wireless and internal processors
- UDP: 59370, 59371, 54261
- TCP: 443 (required for remote access, outbound secured VPN connection)

### RADIO NETWORK (*autaniNet*)

- IEEE 802.15.4-2003 2.4GHz ISM
- Range: Up to 250' LOS transmit/receive

### REGULATORY APPROVALS

- UL244A, UL508
- CSAA22.2 NO 14-13
- FCC ID: V8NZRB1000152

### ENVIRONMENTAL

- Operating Temperature: 0° to +60°C
- Storage Temperature: -10° to +70°C
- Humidity (non-condensing): 5%-95%RH
- Cooling: Convection
- Vibration Frequency: 5-55Hz/2g, 30 min
- Impact Resistance: 1 g/s

### PHYSICAL

- Dimensions (HxWxD): 2.1 x 1.15
- Color: Black housing, white be with  
White bezel
- Weight: 8 grams



## Ordering Information

SKU	Description
A02-51-6218-02	A630C Autani Fixture Controller <i>On-off, 0-10V dimming with flexible fixture mount options for OEM Integration. Requires purchase of the A630M Wire Harness</i>
A02-51-6218-03	A630H Autani MultiSensor Harness <i>Serial connection to the sensor on one end. Other end has 4-wire bare leads to connect to 12V Aux powered 0-10V driver.</i>
A08-01-0161-01	Zigbee Edge Connection License <i>Required for 3rd party devices in addition to Node Licenses</i>

