LUTRON JPZ0138 Athena Wireless Node User Guide

Contents hide

LUTRON

LUTRON JPZ0138 Athena Wireless Node

Product Information

The product is a fixture control system with driver with self-powered DALI link. The model number is not provided in the manual. It requires an interface, PIR and daylight sensor lens or status LED (not active during normal operation) for each fixture. The default functionality of the product is to perform a startup test sequence and stay at 100% intensity until associated with an Athena system. The product comes with a 5-year warranty.

Product Usage Instructions

1. Connect wires using the diagram provided in the manual. For each fixture, you will need one driver with self-powered DALI link, DALI+ and DALI-.
2. Install the interface.
3. Perform the basic functionality end-of-line test.
4. Provide power to the fixture.
5. The fixture will go to the driver's previous light level for 5 seconds.
6. The interface will automatically start its test sequence and cycle between different states.
7. For set-up, programming, and troubleshooting, refer to the installation instructions provided with the hub or visit **www.lutron.com**.

If you encounter any issues, refer to the troubleshooting section of the manual. If the issue persists, contact Lutron customer assistance at 1.844.LUTRON1 (USA, Canada, and the Caribbean), +1.888.235.2910 (Mexico), or +1.610.282.3800 (Others).

Important Notes

- Use copper conductors only.
- Check to see that the device type and rating is suitable for the application.
- DO NOT install if product has any visible damage.
- If moisture or condensation is evident, allow the product to dry completely before installation.
- Operate between 32 °F and 131 °F (0 °C and 55 °C), ambient.
- 0% to 90% humidity, non-condensing.

- For indoor use only.
- Sensor should be mounted to fixture in orientation that makes it parallel to the floor when fixture is installed in ceiling.
- Clean only with soft, damp cloth, no chemical cleaners.
- DO NOT paint.

Default Functionality
On power up performs a startup test sequence and will then stay at 100% intensity until associated to an Athena system.

For set-up, programming, and troubleshooting please refer to the installation instructions included with the hub or at **www.lutron.com**

FCC information and IC information

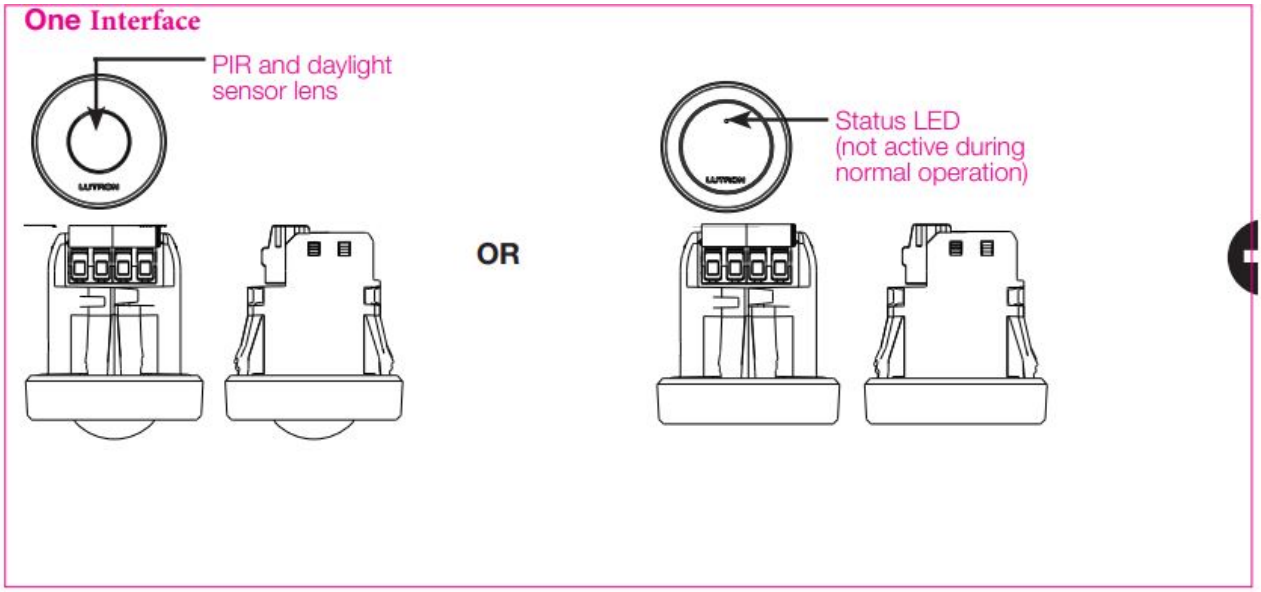
This device complies with part 15 of the FCC Rules and Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation. Modifications not expressly approved by Lutron Electronics Co., Inc. could void the user's authority to operate this equipment.
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, usesand can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

This equipment complies with FCC / ISED radiation exposure limits set forth for an uncontrolled environment. The user should avoid prolonged exposure within 20 cm of the antenna, which may exceed FCC/ISED radio frequency exposure limits.

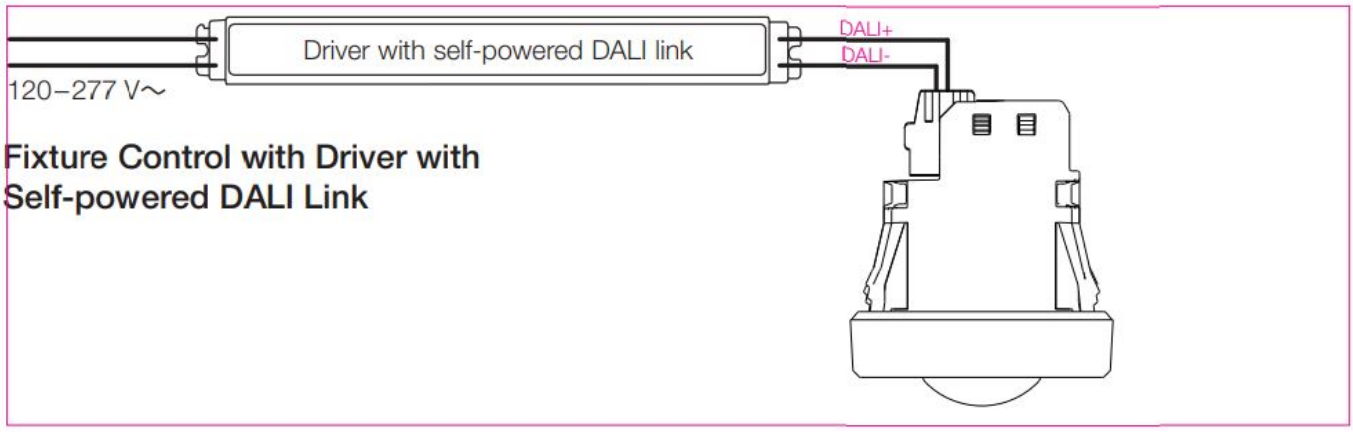
Required Components

For each fixture, you will need:



Connect Wires using Diagram Below

- Vive Integral Fixture control contains two 18 AWG (0.75 mm2), solid copper wires.

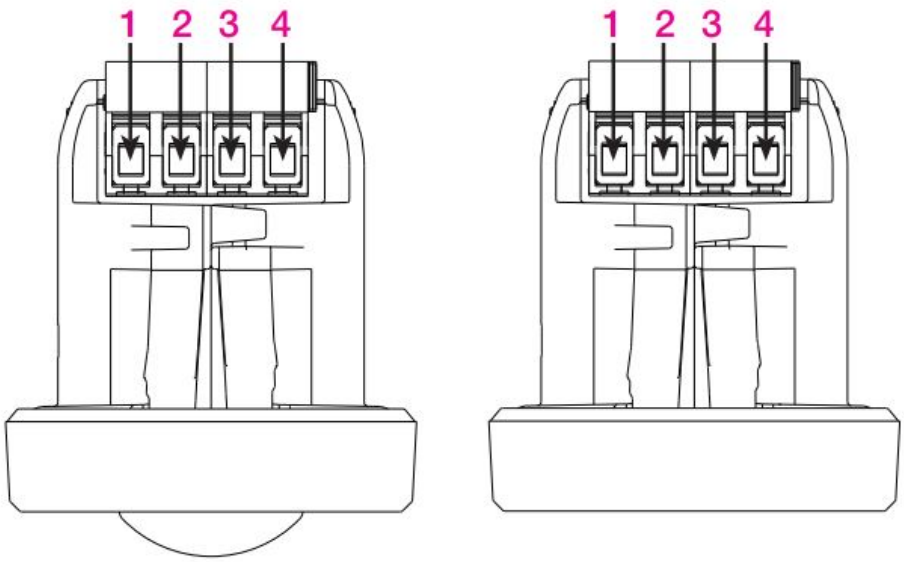


For applications that require more drivers than shown here, contact the driver manufacturer.
Note: When using multiple drivers with self-powered DALI link, DALI+ from the drivers must be tied together and the DALI- from the drivers must be tied together. Do NOT mix “+” and “-“ when using multiple drivers.
Total supply current on the link not to exceed 250 mA

Install Interface

- Ensure knockout / cutout and adjacent surfaces are free from burrs, oil, chemicals, debris, etc.
- Do not push on the PIR lens to install
- Push firmly on the interface around the entire perimeter until it sits flush against the intended fixture mountingsurface.
- Do not fully enclose within the metal fixture.
- Athena wireless node support solid and flexible conductors of 26-16 AWG (0.2-1.5 mm2).
- Wiring guide for

1. Basic Functionality End-of-Line Test
2. Provide power to the fixture.
3. Fixture will go to the driver’s previous light level for 5 seconds.
4. Interface will automatically start it’s test sequence and cycle between the following states –
    - Maximum intensity, maximum cool color temperature
    - Maximum intensity, maximum warm color temperature
    - Minimum intensity, maximum warm color temperature
    - Maximum intensity, maximum cool color temperature
5. Remove power.



Wiring Guide

Connector Postion	DALI Function	0-10V Function
1	DALI+	AUX+
2	DALI-	AUX-
3	N/C	SIG+
4	N/C	SIG- /DGND

Troubleshooting

Symptom	Solution
Sensor does not respond to motion.	Not associated. Ensure that control lines are wired properly.
Lights do not dim or turn ON as expected.	Verify that the driver with self-powered DALI link has the DALI power supply activated. See driver manufacturer for details.
Lights are unstable at low-end.	Adjust low-end trim. Refer to Athena documentation on **www.lutron.com.**
The “Raise” button on the control does not increase the light level.	The lights cannot be raised above the Daylighting light level using a control. If it is critical to override the daylight level, disable daylighting from the Athena application.
End-of-Line Test does not affect color temperature of fixture.	Color temperature control is not supported in 0-10V control applications. If using DALI, confirm that driver supports color temperature control via IEC62386-209.

***Note:** These could apply to either the OEM or to the end customer.

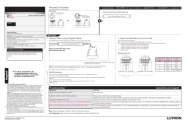
Warranty

5-year Warranty: http://www.lutron.com/TechnicalDocumentLibrary/3601321.pdf.

At least one driver with self-powered DALI link 

Customer Assistance | 1.844.LUTRON1 USA, Canada, and the Caribbean | +1.888.235.2910 Mexico | +1.610.282.3800 Others | **www.lutron.com**

Documents / Resources



LUTRON JPZ0138 Athena Wireless Node [pdf] User Guide
JPZ0138 Athena Wireless Node, JPZ0138, Athena Wireless Node, Wireless Node, Node

References

- **Lutron: Beautiful light. Intelligent Shades. Powerful Controls**
- **Lutron Support Center | Lutron**