



talog #: ALC 624087/6 Par

The ALC/ALCE a radio-frequenc ntrols the 0-10V = or Lifluorescent ballas (depending on mod Lutron Clear Conne on RF input from a w sensor or wired input controller mounts to a ory-installed with junction box and can be (ALOS), vacancy (ALVS). fixture sensors: occupar

Applications









Features

These products are compatible with the wireless hub which enables simple setup using a standard web browser on any Wi-Fi enabled phone, tablet or computer. The hub also enables control and monitoring of all wireless devices.

- Minimum Light Level Setting (optional). Applications, such as hallways, may require that the lights never turn off. For these areas, select the minimum light level option and the load will lower to programed low-end level
- Daylighting dims lights down to OFF. Occupancy sensor must go unoccupied (vacant) for the lights to turn off
- · Occupied light level can be changed via the ceiling-mounted wireless occupancy sensor or via the wireless hub web app when connected to an AirLink system
- · Favorite light level can be set using an ALWS
- Power failure memory: If power is interrupted, connected loads will return to the previous level
- Low-end trim adjustment (default is 1V or ballasts/drivers) minimum for Lutron EcoSystem ballasts/ drivers). High-end trim adjustment (default is 10V or 100% for Lutron EcoSystem ballasts/drivers)
- Integrated power measurement circuit provides data to the hub with +/- 2% accuracy or 0.5W whichever is higher

Specifications

Regulatory Approvals

- FCC, CE, NOM certified. Complies with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rule
- Enables compliance with lighting control requirements in ASHRAE 90.1 and IECC
- Complies with requirements for use in a compartment handling environmental air (plenum) per NEC® 2011 300.22(C)(3)
- · cULus Listed
- California Title 20/24 compliant (section 110.9)

Power and Performance

- Operating temperature: 32°F to 104°F (0°C to 40°C), 0%-90% humidity, non-condensing; indoor use only
- 1 A switching maximum, electronic ballast or LED driver for 0-10V = load

Certifications & Affiliations













Specifications Continued

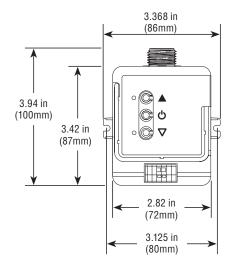
Power and Performance

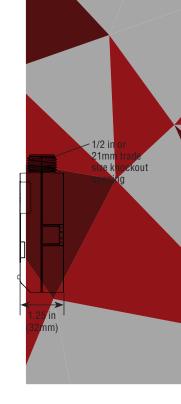
- Standby power consumption < 1W ALC (0−10V ==)
- Controls up to 6 mA of 0-10V == controlled fixtures. Controls up to 3 ballasts or drivers (IEC 60929 Annex E.2 requires the ballast or driver to limit the current draw 2.0 mA maximum). 0-10V == control link on ALC automatically sources or sinks to third-party fixtures (Lutron EcoSystem)
- Controls up to 3 Lutron EcoSystem LED drivers or ballasts. Multiple ballasts or drivers control only one combined zone of lighting
- Control wires can be run as Class 1 or Class 2
- ALC: gray and violet wires Lutron EcoSystem: violet wires
- Frequency 431.0 437.0 MHz (U.S.A., Canada)

Other

- Range: wireless sensors and controls must be within 60ft (18m) line of sight, or 30ft (9m), through walls, of the associated control module
- · Utilizes Lutron Clear Connect RF Technology
- Mounting: wireless fixture control comes factory-installed for your convenience
- Warranty: limited 5-year warranty

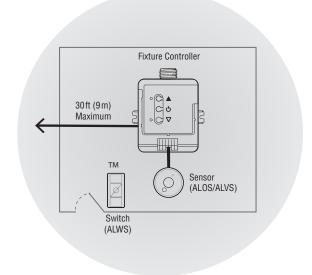
Dimensions





Range Diagram

NOTE: Wireless sensors and controls must be located within 60ft (18m) line of sight, or 30ft (9m), through walls, of the associated control module.



Ordering Information

Part #	Catalog #	Description
624087	ALC	AirLink Lutron — Fixture Controller (0−10V Dimming)
634480	ALCE	AirLink Lutron — Fixture Controller (Lutron EcoSystem)



Wiring

The following can be used per each wireless fixture control:

Wired



Maximum of one (1) fixture sensor (occupancy, vacancy or daylight) **NOTE:** Only one wireless fixture controller can be used per fixture sensor, and vise versa. Grouping more than one sensor to control a group of controllers requires adding a wireless hub

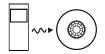
Wireless



Maximum of ten (10) wireless switches



Maximum of one (1) ceiling-mounted wireless daylight sensor



Maximum of ten (10) ceiling-mounted wireless occupancy sensors



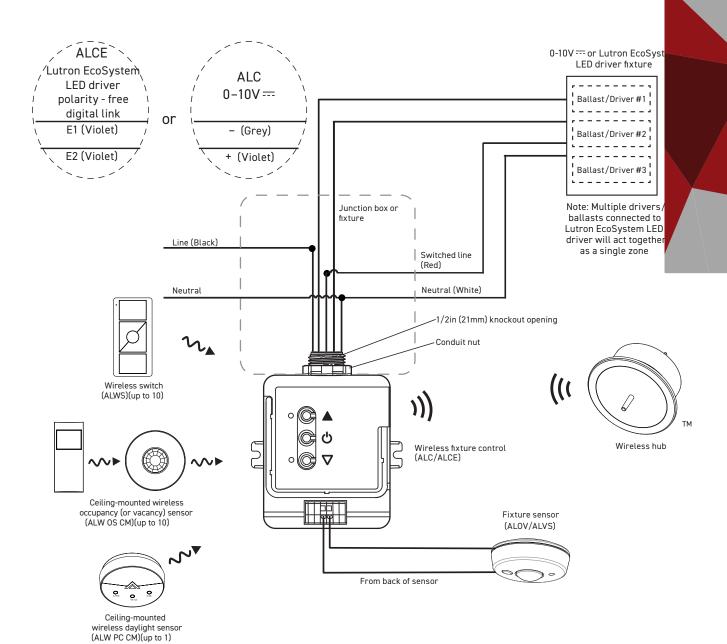
Each hub can control 700 devices. 64 hubs can be networked together through an ethernet switch

NOTES

- When using an ceiling-mounted wireless dayl in conjunction with both an wireless fixture or fixture sensor, the ceiling-mounted wireless d sensor will provide the daylighting input to the module, and the fixture sensor daylighting input ignored.
- When using an ceiling-mounted wireless occupated sensor in conjunction with both an wireless fixture control and fixture sensor, occupancy data from both sensors is used; either one detecting occupancy will turn the lights on, and the lights turn off only when both sensors have gone vacant (no longer detect occupancy).
- Grouping enables an ceiling-mounted wireless occupancy sensor or ceiling-mounted wireless daylight sensor to group and control more than one fixture together.
- Ceiling-mounted wireless occupancy sensors can be used with the fixture sensor to add coverage area.



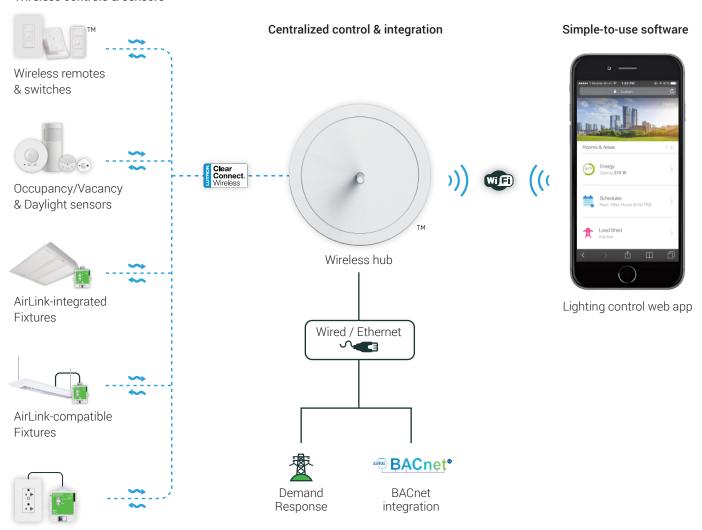
Wiring Continued





The AirLink System

Wireless controls & sensors



Contact LSI Controls

Plug load controllers







For more information on AirLink, visit our website at www.lsi-airlink.com/airlink