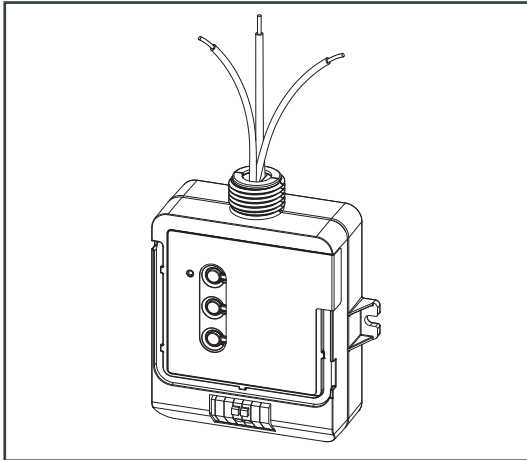


8AMP POWER PACK WITH 0–10V DIMMING (AL-8A-PP-D)



APPLICATIONS

- Small offices • Conference rooms • Lounges • Classrooms

SPECIFICATIONS

ELECTRICAL	
Regulatory Approvals	<ul style="list-style-type: none"> • COFETEL and NOM (Mexico) (AL-8A-PP-DD only) • cUL® and IC (Canada) (AL-8A-PP-DD only) • Complies with requirements for use in other spaces used for environmental air (plenum) per NEC® 2011 300.22(C)(3) • UL® Listed, UL 2043 Plenum Rated and FCC Approved. Complies with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules • Listed in accordance to CAN/ULC S102.2-2010 with a Flame Spread Rating of 0 and a Smoke Developed Classification of 40, with a minimum spacing of 6ft (1.83m) off center
Power / Load	<ul style="list-style-type: none"> • Operating voltage: 120 – 277V \ominus 50/60 Hz • Maximum load: 8A general purpose, no minimum • Output ratings: switch rate of 8A. Rated for resistive or capacitive loads as defined by IEC/EN 60669-2-1, 0–10V\rightleftharpoons control link for 60mA maximum output, source sink automatically configures • Standby power: 240 – 277V \ominus 610mW, 120V \ominus 550mW • BTU/hour when fully loaded: 9 • Works with all ballasts and drivers that provide a current source that is compliant to IEC 60629 Annex E.2, and whose inrush current does not exceed NEMA410 standards for electronic ballast/driver
ENVIRONMENTAL	
Ambient Operating Temperature	32°F to 104°F (0°C to 40°C), 0%–90% humidity, non-condensing; indoor use only
OTHER	
0–10V \rightleftharpoons Control Link	<ul style="list-style-type: none"> • Communicates with up to 60mA of fixtures • Control link is IEC SELV/NEC® Class 2 • 0–10V\rightleftharpoons control can be installed using NEC® Class 1 or Class 2 wiring methods. Alternately, it can be wired to basic or double-insulated devices • Terminals accept one 18AWG to 16AWG (0.75mm² to 1.5mm²) solid wire. Always consult local wiring codes • Compatible with ANSI E1.3 2001 (R2006), IEC 60929 Annex E
Default Operation	<ul style="list-style-type: none"> • Associated wireless input devices control all connected fixtures together • Occupancy sensors: Occupied = 100%; Unoccupied = 0% (OFF) • AirLink™ wireless switches: On = 100%; Favorite Level = 50%; Off = 0% (OFF) • Daylight Sensor: Decreases electric light in response to additional available daylight

8AMP POWER PACK WITH 0–10V DIMMING

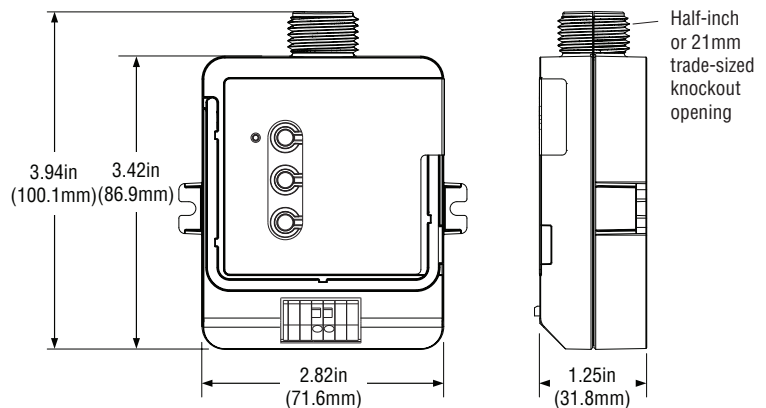
The 8AMP power pack with 0–10V \rightleftharpoons dimming is a radio frequency (RF) device that operates 0–10V \rightleftharpoons controlled fluorescent ballasts or LED drivers based on input from wireless switches and ceiling-mounted wireless sensors. The dimming module with 0–10V \rightleftharpoons control is ideal for small areas, such as: classrooms, conference rooms, and private offices. Communication with RF input devices, such as wireless switches and ceiling-mounted wireless sensors (daylighting/occupancy/vacancy), is accomplished using Lutron Clear Connect RF Technology.

These products are also compatible with the wireless hub which enables a simple setup process using a standard web browser on any Wi-Fi enabled phone, tablet or computer. It also enables control and monitoring of all wireless devices. The hub can be added at any time. System reprogramming required.

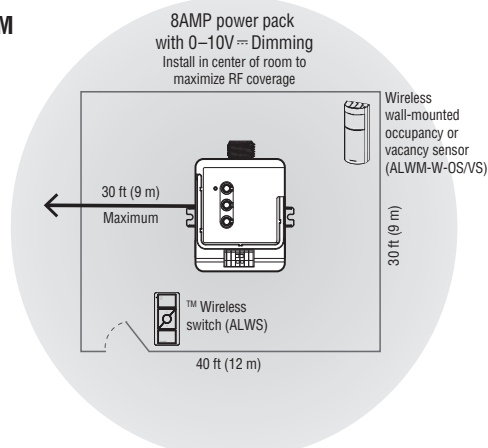
FEATURES

- Controls up to 60mA of 0–10V \rightleftharpoons controlled fixtures together. 0–10V \rightleftharpoons control link automatically sources or sinks to 3rd-party fixtures
- Capable of switching 8A total
- Configurable high- and low-end trim. LED status indicator shows current load status and provides programming feedback
- Receives wireless inputs from up to 10 wireless switches, 10 ceiling-mounted wireless occupancy/vacancy sensors, and 1 ceiling-mounted wireless daylight sensor
- Mounts to a junction box through a standard-size knockout
- Power failure memory: If power is interrupted, connected loads will return to the previous level prior to interruption
- 0–10V \rightleftharpoons control miswire protection up to 30V \rightleftharpoons
- Programming lockout can be enabled for public spaces
- 0–10V \rightleftharpoons control can be programmed to be inverted for 10 – 0V \rightleftharpoons control

DIMENSIONS



RANGE DIAGRAM



8AMP POWER PACK WITH 0–10V DIMMING (AL-8A-PP-D)

ADVANCED CONFIGURATIONS

Wireless Switches

- Up to 10 switches can be connected, each with set favorite levels

Ceiling-Mounted Wireless Daylight Sensor

- Ceiling-mounted wireless daylight sensor will affect the connected ballasts and LED drivers equally
- For multiple rows of daylighting, a separate dimming module must be used for each daylighting row

Minimum Light Level Setting (optional)

- Certain 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 programmed low-end level. Default operation lowers to OFF

High- and Low-End Trim

- High-end and low-end trim affect all connected fixtures equally, and can be configured from the dimming module or from any associated wireless switch when unit is not in programming lock-out mode
- Adjustable low-end trim (0–45%). Trimmable low-end can ensure a stable light level. Some fixtures will flicker or drop out if trimmed too low

- The maximum light output of connected fixtures can be decreased down to 55% for energy savings in over-lit spaces. The perceived light output of low-end trim may vary between fixture manufacturers and model numbers. For best results do not mix different ballasts or drivers on the same 0–10V $\overline{\text{---}}$ circuit

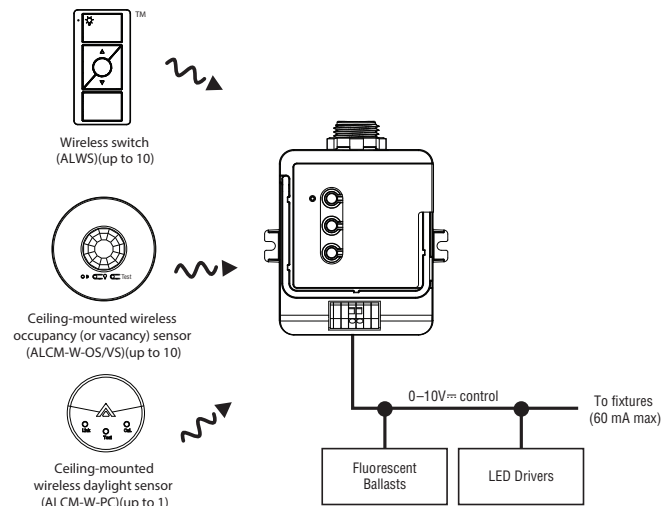
Ceiling-Mounted Wireless Occupancy Sensors

- Ceiling-mounted wireless occupancy and vacancy sensors control all connected ballasts or drivers
- Wireless switches can be used to adjust the Occupied levels of fixtures that they control from 1% to 100% (of output signal) or can make them unaffected by Occupancy events
- Vacancy events (area becomes unoccupied) turn all ballasts and driver models OFF or to minimum lighting level

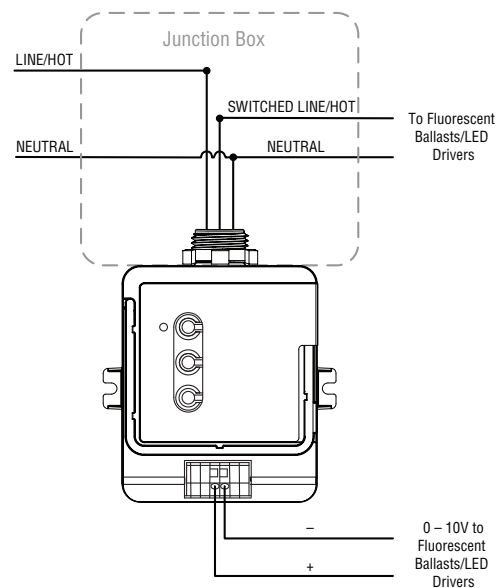
Programming Lockout

- Once enabled, all wireless switches can no longer perform programming or set favorite levels
- To change settings, programming lockout must be unlocked by a button combination directly on the dimming module

SYSTEM DIAGRAM



WIRING DIAGRAM



NOTE: Some applications (in the USA) require the power pack module to be installed inside an additional junction box. Please consult all local and national electric codes for proper installation methods.

ORDERING INFORMATION (AL-8A-PP-D)

PART NO.	CAT. NO.	DESCRIPTION	OPERATING VOLTAGE	FREQUENCY BAND
650299	AL-8A-PP-D	8AMP power pack with 0–10V $\overline{\text{---}}$ Dimming	120/277 \ominus	421.0 – 437.0 MHz
655147	AL-8A-PP-D-BAA	8AMP power pack with 0–10V $\overline{\text{---}}$ Dimming, BAA certified	120/277 \ominus	421.0 – 437.0 MHz

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Project Name _____ Catalog # _____

1-800-436-7800 (Support, Option 8) www.lsi-airlink.com

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