



THE ENERGY OF THINGS

ALC ADVANCED LIGHTING CONTROLLER



TECHNICAL SPECIFICATIONS

- Housing Dimensions: W=2.0" L=4.5" H=1.2"
- Input Power 90-277VAC
- Rating NO and NC contacts 20A at 120/240VAC
- Rating NO contact 16A @ 277VAC
- Rating 1HP at 120/240VAC
- Isolated Normally Open and Closed contacts
- Low Voltage Output: 150mA @ 17VDC
- Dimming: 0-10V, 1-10V Source or sink operation
- Onboard button for manual control
- LED Indicator for mesh connectivity & output state
- "Burnt bulb" detection and alert
- Radio: 2.4GHz IEEE 802.15.4 with antenna diversity
- Environment: 20°F to 100°F
- Certifications: FCC, UL508

PRODUCT OVERVIEW

The Amatis ALC is a power load controller designed to control individual fixtures or entire branches of pot lights, wall sconces, and accent lights. The ALC communicates wirelessly within the Amatis 6LoWireless™ control system, using open standard 6LoWPAN protocols. The ALC includes a relay to switch drivers and circuits, and a 0-10V output able to control one or more dimmable drivers individually. Auxiliary outputs are also available to power low voltage occupancy/vacancy sensors, and daylight sensors for automatic dimming.

ALC includes power sensing for detailed metering components capable of tracking the energy consumption of individual light fixtures or entire circuits, and detecting when there could potentially be a problem such as failed drivers.

FEATURES

- Plug-and-play installation
- 6LoWireless™ Communication
- Automatic commissioning with 6LoMesh™
- Mesh networking up to 200ft between nodes
- IPv6 individually addressable nodes
- Real-time data uploaded to Web API
- Open source communication with other devices

WIRING DIAGRAM

