

Nexgrid® Technology Solutions

ecoSwitch LC™ Load Control Relay



The ecoSwitch LC is a load control relay with ZigBee communication that enables remote management of high energy devices through Nexgrid's

ecoOne® and intelaHome® software systems. The ecoSwitch LC houses a 30 amp relay, with 2 optional 3.8A relays, for direct load control of water heaters and other large load devices. The ecoSwitch LC is also configured with load sensing including a unique feature that will sense when the load is "calling to run" but is inhibited by the Utility. The ecoSwitch LC also provides power measurement capabilities. This powerful feature allows for detailed load study functions. Utilizing IEEE standards-based communication technologies ecoSwitch will communicate with third party devices to create a platform for Demand Side Management, Smart Home, and other Utility assets that require communication. The ecoSwitch LC ensures greater reliability and redundancy on a future-proof broadband network that is easily deployed and managed.

KEY FEATURES

- Distributed Intelligence Control
- Repeating or Singular Direct Load Control
- Adaptive Algorithms for AC Control
- Junction Box and Conduit Fittings
- Time-Based Control
- LED State Indicators
- High Impact Polycarbonate Case
- Optional 3-relay switch



ecoOne Load Management

Technical Specifications

Nexgrid Part Number	ecoSwitch LC
Signal Rate	240 kbps
Casing	UL94V-0 rated, UV resistant, 10% fiberglass filled polycarbonate, NEMA 4X & 6P tested and approved
Frequency	2.4 GHz to 2.48 GHz, 16-MHz channels
Power Ratings	Main Relay: 30A Maximum, 100—240 VAC; Two Secondary Relays: 3.8A Maximum each, 10—60 VAC
Mechanical Dimensions	8 3/4" H x 7 3/4" W x 3 3/4" D

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