



Overview

In today's increasing market of retrofit projects as in new construction, facility's are focusing on managing energy consumption. Improving control of electrical fixtures is a well understood method of eliminating wasted energy but installing traditional automation can be overwhelming in cost and implementation.

Echoflex's Load Controller provides wireless relay control over any electrical load or fixture without requiring a switch leg circuit. With an embedded EnOcean radio receiver, the ER1C listens to battery-free wall switches enabled with EnOcean transmitters and activates the relay. Lighting Zones with a single switch are easy to establish or have multiple switches, up to 30 per controller if needed.

Echoflex's ER1C controller provides the control needed to save energy without the disruption, expense and burden of installing centralized controls.



Features

- ⇒ Wireless load or circuit control
- ⇒ Easy installation with ½" knockout nipple
- ⇒ Quick commissioning requiring no special tools
- ⇒ Controlled with 1 to 30 battery-free Echoflex wireless wall switches
- ⇒ Reliable radio reception range of 100 ft. in typical applications
- ⇒ Low-cost alternative to running wires and conduit
- ⇒ Models available in 120/277V or 120/347V with either 315 MHz and 868 MHz EnOcean radios
- ⇒ Near-Cross switching technology for long relay life

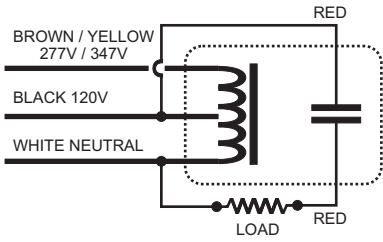
Ordering Information

Model Number	Description	Part Number
ER1C-B-120/347	120/347VAC, 868MHz	001-5024
ER1C-BC-120-347	120/347VAC, 315MHz	001-0024
ER1C-B-120/277	120/277VAC, 868MHz	001-5012
ER1C-BC-120/277	120/277VAC, 315MHz	001-0012

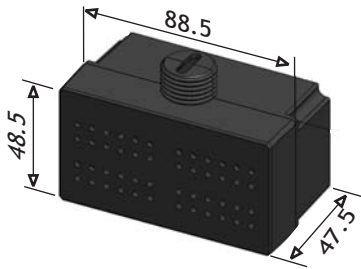


ER1C-B

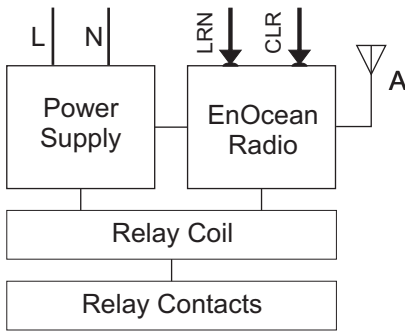
Wiring Diagram



Dimensional Drawing



Block Diagram



EnOcean Equipment Profiles

EEP: 05-02-02 Light and Blinds Control - US/Canada application

Hardware Specifications

Power Supply	120/277 VAC or 120/347 VAC, 60Hz
Power Consumption	4.0 W full load
Outputs	N.O. Relay rating 15A@347 VAC or 20A@120 or 227 VAC
Inputs	LEARN and CLEAR buttons for sensor assignment
Communications	315 MHz or 868 MHz EnOcean radio with whip antenna

Mechanical Specifications

Operating Temperature	14 F to 113 F (-10 C to 45 C)
Relative Humidity	5% to 95% RH (non-condensing)
Weight	13.5 oz. (385 gms.)
Dimensions	3.5" x 1.9" x 1.9" (88 mm x 48 mm x 48 mm)
Mounting	½" nipple

Agency Listing and Compliance

Safety	ETL Recognized Component 3188207 Conforms to UL Standard 508 Certified to CAN/CSA Std. C22.2 No.14 UL 2043 Plenum rated
Radio Frequency	FCC Part 15.231 - Remote Control Transmitter IC RSS-210



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