

Hotel Room Controller with SmartClick™ technology

ERDRC-K



energy conservation - home and office

Overview

Hotel managers are focused on controlling their facilities energy consumption and need solutions that are not disruptive to the guests or facilities operation.

Providing control of lighting fixtures and room heaters and air conditioning is a well understood method of eliminating wasted energy but centralized systems can be overwhelming in cost and implementation.

Echoflex's Hotel Room Fixture Controller provides wireless relay control over a lighting load, fixture, or plugin receptacles without requiring a switch leg circuit. The ERDRC-K listens for activation of the Echoflex key card switch by the guest which triggers the controller relay.

The ERDRC controls these electrical circuits by shutting them off when the room is vacant and re-activating them on the guests return. Electrical energy usually wasted powering televisions, lights and other electrical appliances when the guest is not present can now be saved.

Echoflex's ERDRC-K controller provides the control needed by hotel operations to cut back their energy use but without the disruption, expense and burden of centralized control systems.



Features

- ⇒ Embedded SmartClick configuration for fast and easy commissioning
- ⇒ Peel and Stick switch installation provides exceptional space flexibility options
- ⇒ Listens for Echoflex's battery-free PTM265-KCA key-card switch and MC-17 window/door switch
- ⇒ Near-cross switching technology for long relay life
- ⇒ Easy installation on electrical junction boxes with ½" mounting nipple
- ⇒ Supports up to 30 switches
- ⇒ Doubles as a telegram repeater
- ⇒ Supports remote management functionality
- ⇒ Configurable egress timer

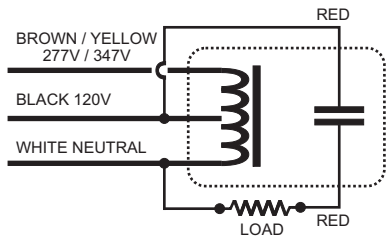
Ordering Information

Model Number	Description	Part Number
ERDRC-KC-120-347	120/347VAC, 315MHz	001-0149
ERDRC-KC-120/277	120/277VAC, 315MHz	001-0137
ERDRC-K-120-347	120/347VAC, 868MHz	001-5149
ERDRC-K-120/277	120/277VAC, 868MHz	001-5137

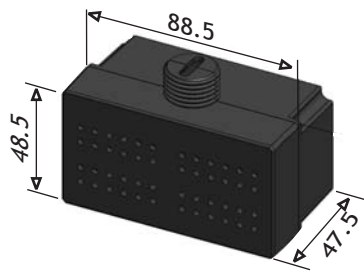


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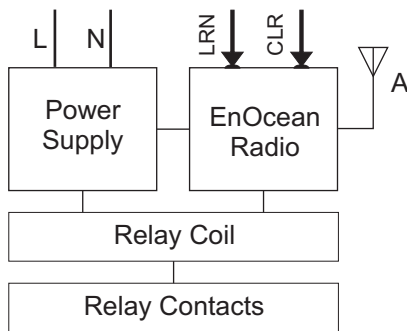
Wiring Diagram



Dimensional Drawing



Block Diagram



EnOcean Equipment Profiles - remote devices supported

- EEP: 05-04-01 Key Card Activated Switch
- EEP: 07-30-02 Window Contact, Single Input
- EEP: 07-10-0A/B Room Operating Panel

Hardware Specifications

- Power Supply 120/277 VAC or 120/347 VAC, 60Hz
- Power Consumption 4.5 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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