

Overview

Today's facility operator needs an simple and effective solution for automating individual lights to conserve energy.

The Wireless Fixture Controller provides distributed control of any standard lighting fixture by using wireless technology. Used with Echoflex wireless sensors and decorator style rocker switches, the fixture controller provides a simple method of retrofitting an existing light fixture or adding new lights to any space.

Use the fixture controller for occupancy based lighting or use the manual ON / auto-OFF feature and start saving energy by shutting off un-needed lights.

The fixture controller includes intelligent configuration software: Smart Click and Simple Tap, allowing installers and facility operators access to the controller's configuration parameters. These features makes it easy to set-up and make changes in the future. Using just a wireless wall switch, the facility maintenance engineer can adjust setting on the installed controllers, eliminating a service call to an electrician.

The wall switches and sensors are developed using low powered wireless technology which means batteries are not required. By harvesting energy from the surrounding environment for power, these devices eliminate the maintenance burden of replacing and disposing of batteries.



Features

- Embedded Smart Click and Simple TAP configuration for fast and easy commissioning
- Occupancy based lighting controls with auto- ON/OFF or manual ON, auto-OFF
- Listens for battery-free wall switches, photo sensors and occupancy sensors
- Near-cross switching technology for long relay life
- Easy installation on electrical junction boxes with 1/2 " mounting nipple
- Broadcasts controller status to BMS gateways
- Doubles as a telegram repeater
- Peel and Stick switch and sensor installation provides exceptional space flexibility options

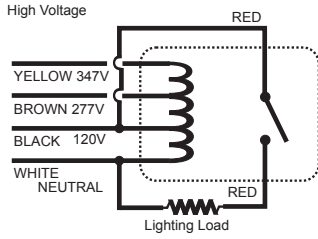
Ordering Information

Model	Description	Part # - 315 MHz	Part # - 868 MHz
ER1C-EF(*)-120/277	120/277VAC Electronic Fixture Controller	001-1228 * = C	001-6228 * = Y
ER1C-EF(*)-120/347	120/347VAC Electronic Fixture Controller	001-1230 * = C	001-6230 * = Y

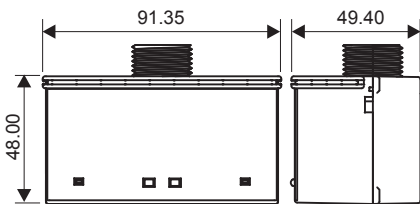


ER1C-EF

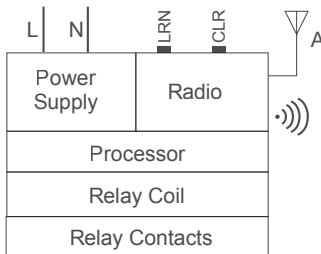
Wiring Diagram



Dimensional Diagram



Block Diagram



Equipment Profiles - remote devices supported

EFP: F6-02-02	Light and Blinds Control - US/Canada application
EFP: A5-06-02	Light Sensor [range 0 - 1024 lux]
EFP: A5-07-01	Occupancy Sensor

Application Settings

Timed Switch: time-out period	0 (default), 5, 15, 30, 60 minutes
Occupancy Sensor: egress timer	5, 10, 15 (default), 20, 25 minutes

Hardware Specifications

Power Supply	120/277 VAC or 120/347 VAC, 60 Hz
Power Consumption	5.0 W max. full load
Outputs	N.O. Relay rating 20A@120 or 277 VAC, 15A@347VAC
Communications	
Radio Frequency	315 MHz(C), 868 MHz(Y)
Antenna	Integrated whip
Transmission Range	24 m (80 ft) - commercial office space (typical)
Inputs	LEARN and CLEAR buttons for sensor assignment

Mechanical Specifications

Operating Temperature	-10 ° C to 45 ° C (14 ° F to 113 ° F)
Relative Humidity	5% to 95% RH (non-condensing)
Weight	385 g (13 oz)
Dimensions	91.35 x 49.40 x 48 mm (3.6 x 1.9 x 1.9")
Mounting	½ " nipple

Agency Listing & Compliance

Safety

ETL Recognized Component
 Conforms to UL Standard 508
 Certified to CAN/CSA Std. C22.2 No.14
 UL 2043 Plenum rated

Radio Frequency (315 MHz models)

FCC Part 15.231 -Remote Control Transmitter
 IC RSS-210



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 Range Confirmation Technology - Patent pending
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