

## Overview

The Split Duplex Receptacle Outlet Controller provides a simple solution to meet energy codes without requiring complex changes to a facility. The controller can retrofit your existing duplex receptacles simply and quickly, without the need for new wiring. The controller offers a duplex receptacle with a 15-amp relay-switched outlet and a 15-amp constant-power outlet. Its auxiliary output allows for additional standard outlets to be controlled by its internal relay. Compatible with Echoflex occupancy sensors, the outlet can be switched based on room occupancy, helping to meet the most stringent ASHRAE and California energy codes. The Split Duplex Controller mounts in a standard electrical box and uses an included Decorator faceplate.

Arrow shaped LEDs provide permanent marking of the control outlet and users can choose to have the LEDs turned off.

The controller activates electrical loads with received input from a linked sensor or switch transmitting:

- Ambient light levels monitored by a wireless photo sensor
- Occupancy state monitored by a wireless occupancy sensor
- Switch action from a wireless single or dual paddle wall switch
- Switch action from a wireless key card switch
- Switch action from a wireless door/window (reed) switch
- Gateway control implementing schedules or other events

The Split Duplex Controller fits equally as well into hospitality applications. Responding to linked key card switches that monitor suite occupancy, control can be added to lighting or other electrical circuits to disable the loads when the suite is vacant. The controller can also be used to enable and disable air-conditioning equipment based on the occupancy state and/or patio door position.

Other features include telegram repeating and BEMS system integration allowing the controller to be used both in distributed control applications or as a component of a centralized system

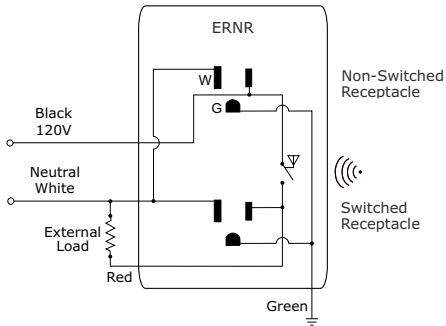


## Features

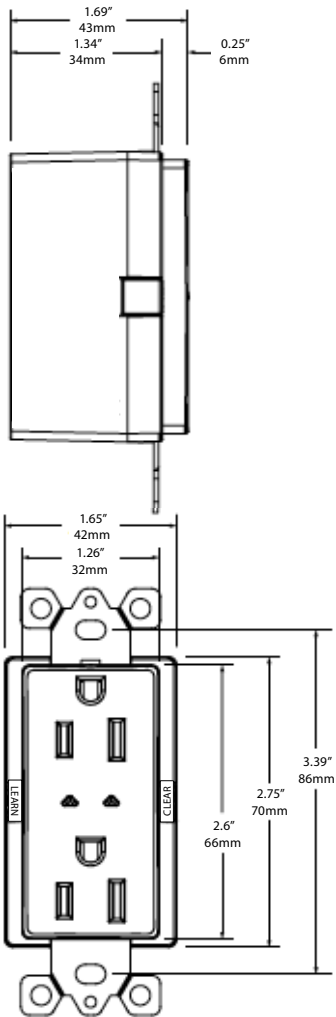
- Use for controlling plug-in electrical loads
- Occupancy based automation with auto-ON/OFF or manual ON + auto-OFF using wireless occupancy sensors
- Monitors linked battery-free key card , proximity (reed) switches, wall switches, occupancy sensors and photo sensors.
- Range Confirmation allows optimal placement of linked sensors
- Central command support for BEMS gateway control
- Supports commissioning via Smart Click, Simple Tap or Garibaldi (remote management) software
- Assign up to 20 battery-free wireless wall switches or sensors to one controller
- Reliable radio reception range of 24 m (80 ft ) in most common indoor applications
- Low-cost alternative to running wires and conduit – ideal for retrofit projects
- Doubles as a telegram repeater
- Single-channel 15A relay and 15A constant-power outlets
- 120V power input
- ETL and cETL Listed
- Complies with FCC Part 15.231 and IC RSS-210

Model	Description	Part # - 902 MHz
ERNR-AI(*)	Split Duplex Controller	001-8355 * =U

## Wiring Diagram



## Dimensional Diagram



## Equipment Profiles - Remote Devices Supported

EEP: F6-02-02	Light and Blinds Control
EEP: A5-06-02	Light Sensor [range 0 - 1024 lux]
EEP: A5-07-01	Occupancy Sensor
EEP: F6-04-01	Key Card Activated Switch
EEP: A5-30-02	Single Input Contact (doors and windows)
EEP: A5-38-08	Central Command, switching (0x01), setpoint (0x03)
EEP: A5-10-0A/0B	Room Operating Panel
EEP: D5-00-01	1BS Contact and Switches

## Hardware Specifications

Power Supply	120VAC
Power Consumption	2.5 W max. full load
Outputs	N.O. Relay rating 15A@ 120VAC 2 x LEDs, Learn (green) and Power (red)
Inputs	LEARN and CLEAR buttons for sensor assignment
Maximum Load Ratings	
Incandescent/Tungsten	1800W @ 120VAC
General Purpose & Fluorescent Ballast	15A @ 120VAC

## Communications

Radio Frequency	902 MHz
Antenna	Integrated whip
Transmission Range	24 m (80 ft) commercial office space (typical)

## Mechanical Specifications

Operating Temperature	-10 °C to 45 °C (14 °F to 113 °F) ambient
Relative Humidity	5% to 95% RH (non-condensing)
Weight	118 g (4.2 oz)
Dimensions	41 x 70 x 43 mm (1.61 x 2.75 x 1.69")

## Agency Listing & Compliance

### Safety

ETL Listed Component  
Conforms to UL Standard 508  
Certified to CAN/CSA Std. C22.2 No.14

### Radio Frequency (902 MHz only)

FCC Part 15.231 - Remote Control Transmitter  
IC RSS-210

Specifications are subject to change without notification. | Document 8DC-0543 | Revision 1.1