



Overview

The Echoflex Active Circuit Transmitter (ERM-DAC) indicates when an electrical circuit is active, transmitting an EnOcean standard occupancy profile telegram. The state of the monitored circuit can be used to switch or trigger remote events and retrofit applications will benefit from the elimination of extra wiring.

Used in a hospitality application, existing key card systems activate circuits based on suite occupancy. Using the ERM-DAC with these systems allows the facility to gain control over other electrical loads. Suite vacancy can de-energize plugin appliances like televisions or turn lights off, wired in systems such as window blinds can retract to a preset reducing solar and infrared radiation into the suite.

Other commercial facilities can benefit by adding a ERM-DAC to electrical circuits controlled by other automation systems, processes or switches. Using the ERM-DAC to transmit circuit status can trigger other processes, turn ON or OFF electrical loads making it easy to expand automation systems or automate manual processes.

The ERM-DAC installs in electrical junction boxes, behind receptacles, wall switches or in light fixtures and is powered by 120 through to 277 VAC. Assignment of the ERM-DAC to an Echoflex receiver is easy as pressing a button.

The ERM-DAC can be used as an EnOcean telegram repeater increasing the radio range of neighboring EnOcean devices. Call (888.324.6359) or email (sales@echoflexsolutions.com) for more information on the ERM-DAC active circuit transmitter.



Features

- ⇒ Uses the state of an electrical circuit as a switch to activate loads ON or OFF
- ⇒ Expand existing automation systems or quickly add automation to any electrical circuit
- ⇒ Use with Echoflex's lighting controllers or wall mount thermostat controllers
- ⇒ Supports telegram repeating; single or dual hop increasing the range of EnOcean devices
- ⇒ Reliable radio transmission range of 100 ft. in most common indoor commercial applications
- ⇒ Low-cost alternative to running wires and conduit - ideal for retrofit projects
- ⇒ Versatile voltage range 120 through to 277 VAC
- ⇒ Available with either 315 MHz and 868 MHz EnOcean Dolphin radios

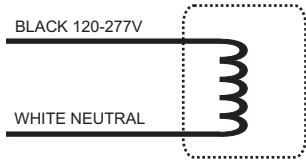
Ordering Information

Model Number	Description	Part Number
ERM-DAC	Active Circuit Transmitter, 315MHz	001-0517
ERM-DA	Active Circuit Transmitter, 868MHz	001-5517

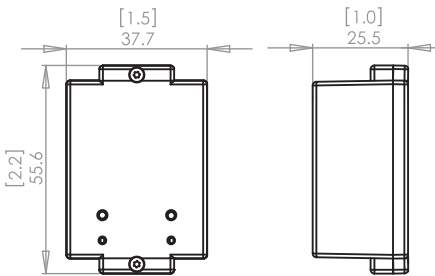


ERM-DAC

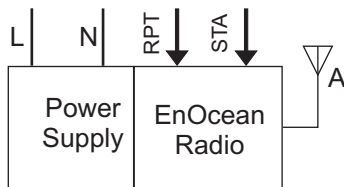
Wiring Diagram



Dimensional Drawing



Block Diagram



EnOcean Equipment Profiles (transmits)

EEP: 07-07-01 Occupancy Sensor

Hardware Specifications

Power Supply	120 - 277 VAC, 50/60Hz
Power Consumption	1.0 W full load
Outputs	2 x LEDs, Status (green) and Power (red)
Inputs	Repeater and Status buttons
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	2 ounces (46 gms.)
Dimensions	2.2" x 1.5" x 1.0" (56 mm. x 38 mm. x 26 mm.)

Agency Listing and Compliance

Safety
 ETL Recognized Component 4001597
 Conforms to UL Standard 508
 Conforms to CAN/CSA Std. C22.2 No.14



Radio Frequency
 FCC Part 15.231 - Remote Control Transmitter
 Industry Canada RSS-210



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