

Advanced Wireless RF HVAC Control and Energy Management System (WEMS)

Highlights of the EYEPower® EE-RX and EE-RXS Series of Controllers include

Wireless RF Technology	Multiple Sensor Loops
Fail-Safe Operation	Simple Humidity Control
Entry Door Control	Balcony/Lanai/Window Door Control
Deep Setback Function (DSB)	Deep Setback II Function (DSB II)
Table Setback Temperature Feature (TST)	Climate Logic
EERX Controller (High/Line Voltage Applications)	EERXS Controller (Switching Power Supply)
LiMnO2 Transmitter Batteries	Easy Jumper Settings Selection
EEPROM IC with "Memory Chip"	2 Year Limited Warranty



Actual Size Not Shown

Product Description

The Energy Eye EE-RX and EE-RXS Series of HVAC Controllers have been consistently improved through the latest V4 family of software and hardware architecture. These product series of autonomous HVAC Controllers are feature rich with settings and adjustments in order to offer the most flexible, efficient and economic solution for Wireless Energy Management.

By using a combination of Wireless Radio Frequency (RF) Door Sensors, Window Sensors, Passive Infrared (PIR) Motion Detectors and Intelligent Logic Receiver/Controllers the Energy Eye Product line can significantly improve HVAC efficiency. Temperature setback programs reduce HVAC work duty during un-occupied periods. HVAC duty cycle reduction of up to 50% is possible with total project savings in the 10% to 40% range being common.

Wireless RF transmitters use Patent Pending algorithms and Integrated Circuit (IC) based processors to create robust and reliable transmissions even in busy working environments. These sensors have been successfully used in a wide range of applications including apartment buildings, offices and hotels using well over 1,000 sensors in a single location.

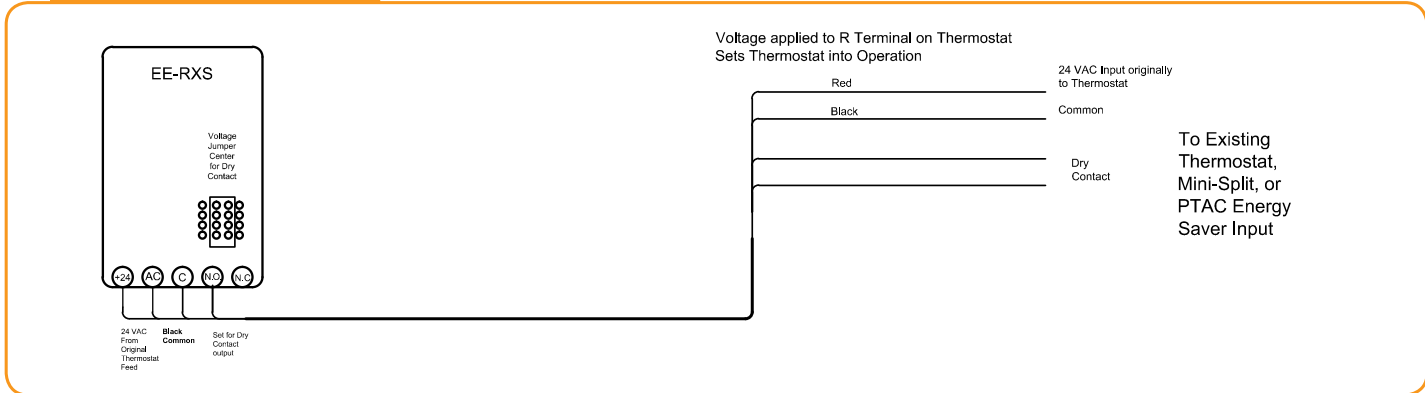
Product Specifications

	EE-RX	EE-RXS
Voltage Input Range	13~24VDC (AC Selectable)	9~28VAC (DC Selectable)
Current Draw (standby)	46.4mA @ 24VAC	19.6mA @ 24VAC
Current Draw (relay-on)	91.5mA @ 24VAC	46.1mA @ 24VAC
Contact Output	Input Voltage -1.4V (AC/DC)	Input Voltage -1.4V (AC/DC)
Output Options	NO/NC/Dry Contact Output	NO/NC/Dry Contact Output
RF Receiver	315MHz Superhetrodyne	315MHz Superhetrodyne
Receiver Range	30~130 Feet	30~130 Feet
Thermostat Range	-4°~185° Fahrenheit	-4°~185° Fahrenheit
Setback Limits	55°~86° Fahrenheit	55°~86° Fahrenheit
Deep Setback Limits (DSB)	50°~90° Fahrenheit	50°~90° Fahrenheit
Dimensions (L x W x D)	4 5/8" x 2 3/4" x 1 1/2"	4 5/8" x 2 3/4" x 1 1/2"
Certifications	FCC Part 15B/Industry Canada RSS/FIDE	FCC Part 15B/Industry Canada RSS/FIDE

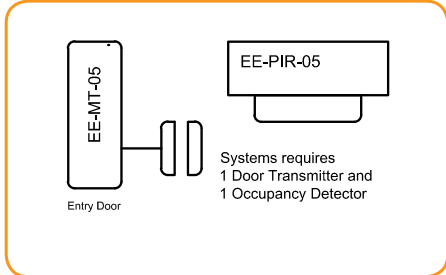
Wiring Configurations

The following are examples of wiring configurations for the EE-RX and EE-RXS series of Controllers. They can be installed in conjunction with various relay connectivity and/or thermostat types. The system is versatile in application and can be used with nearly any type of HVAC.

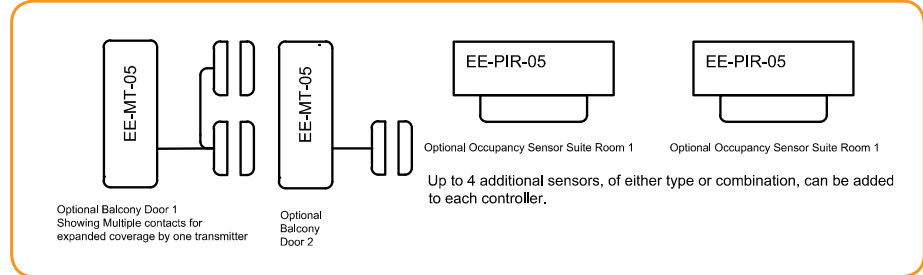
Low Voltage Controller



Required Sensors



Expanded



High Voltage Controller

