

Quick-Start Guide

EZSnsRF Wireless Sensor Receiver

Model #5010E

Your EZSnsRF wireless sensor receiver is a high sensitivity device able to pick up signals transmitted by wireless transmitters up to 3,000 ft. away. This long range is made possible by careful matching of the transmitter/receiver pair and very high quality circuitry on both ends. The unit receives and decodes signals from multiple Dakota Alert Series 3000 transmitters (only) using a 12-bit code that enables up to 4,096 distinct wireless devices. Typical sending devices include motion sensors, driveway alerts, panic buttons, moisture alarms, etc. Multiple devices utilizing unique codes are “learned” by your EZSnsRF such that their activation can trigger



INSTEON group commands on their transitions (OFF to ON and ON to OFF) to conveniently cause INSTEON events such as lighting scenes and alarm control, limited only by the user’s imagination.

EZSnsRF has a built-in power line interface and its programming and control is done through the power line. The unit is supported by home automation software packages such as our free utility.



Installation

- Select a suitable power outlet anywhere in your INSTEON power line network. Avoid exposure to moisture. If installing outdoors, use only an approved outdoor weather-proof enclosure. The antenna is built into the EZSnsRF enclosure and is oriented along its left side. For best results, place the receiver in a vertical position in an area free of metallic obstructions.
- Plug the EZSnsRF into the selected outlet and observe its LED flashing a number of times and then glowing steadily after a few seconds. At this point, the receiver is ready to link wireless senders with INSTEON devices. For convenience, a pass-through outlet is provided so as not lose the outlet where the EZSnsRF is plugged in.

Controlling INSTEON Devices with your EZSnsRF

- Each wireless sender is typically provided with a DIP switch to give it a unique code. During setup the EZSnsRF receiver will identify each unique code and associate it with an INSTEON “group” number from 1 to 20. Although the number of storable distinct codes is limited to 20, multiple INSTEON devices can be setup on the same group so they respond simultaneously on the same code. Additionally, a software setup utility on a PC can be used to modify the group assignments thus allowing many control combinations.
- **Out-of-the-box the unit will send an INSTEON ON command when the RF signal from the wireless sender is received, and an OFF command when the signal stops.** A timer of up to 15.5 minutes can be setup during linking to delay the sending of the OFF signal regardless of when this actual RF signal ends. An external application can be used to alter this behavior including substituting and even eliminating the commands sent on each signal transition.
- **Learning a Code and Linking INSTEON devices:** Use the following steps to make INSTEON devices respond to RF codes sent by wireless devices. To cancel the process at any time, press and hold the pushbutton on the EZSnsRF for 4 seconds. When finished, the INSTEON devices will be en-

rolled to respond on specific codes from the wireless senders.

1. Press and hold the pushbutton on the side of EZSnsRF for about 4 seconds, then release it and observe the LED on the EZSnsRF flashing about once per second (slow rate). The EZSnsRF is now listening for wireless senders.
2. Use any method to activate the sender to be linked (such as moving in front of a motion sensor or pressing a pushbutton on a keyfob). The LED on the EZSnsRF will flash more rapidly upon “hearing” the wireless sender. The EZSnsRF is now listening for INSTEON devices to enroll.
3. Press and hold the pushbutton on the INSTEON device to be controlled until its LED blinks, or a light connected to it flashes (about 3-4 seconds depending on the particular unit) indicating the completed link. The LED on the EZSnsRF may flash briefly but will continue to blink about twice per second indicating readiness to enroll additional INSTEON devices on this group.
4. If additional INSTEON devices need to be enrolled, repeat step 3 above. Otherwise, if done enrolling devices on this group, press and hold the pushbutton on the EZSnsRF for 3-4 seconds, then release it at which point the LED on the EZSnsRF will turn off.
5. A timer (value from .5 to 15.5 minutes) can now be added to delay the OFF command regardless of the duration of the incoming wireless signal. If no timer is needed, end the linking process by pressing and holding the pushbutton on the EZSnsRF for 3-4 seconds. The LED on the EZSnsRF will glow steadily again. If a timer is desired, tap the pushbutton **on the EZSnsRF** 1-31 times (each tap adds 1/2 minute to the timer), then press and hold the pushbutton on EZSnsRF for 3-4 seconds to end the linking session.

- Although EZSnsRF can be set up manually as per the previous instructions, PC software may be used to rapidly change several parameters such as the INSTEON commands to be sent and the timer values for each wireless device.

Resetting to Factory Configuration

- To erase all links and code records, power (plug) the unit while depressing the pushbutton on the EZSnsRF and holding it pressed for about 10 seconds. This will also erase the INSTEON links database.