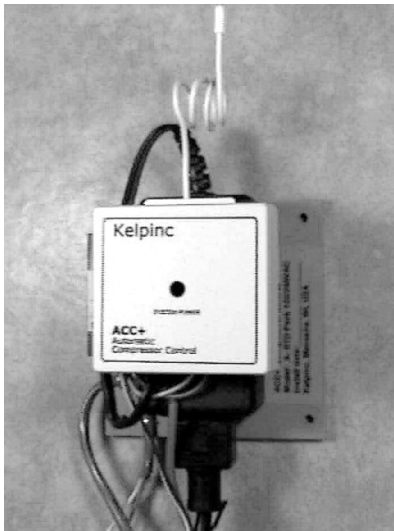


Product Summary

Energy Agent is a wireless switch system that makes or breaks the control path signal of standard or heat pump HVAC systems depending on the open/closed condition of a door or window fitted with one of its magnetically triggered sensors. Each Energy Agent can work with up to 4 sensors giving the installer the ability to cover single or multiple swing, single or cascading sliders or even double hung windows. The system allows a 36 second entry/exit delay before activating its main output and is used with standard DOB timers (not included), to meet UL requirements for short cycle control.



Energy Agent

Energy Agent works off of single phase 95-250 VAC power and can provide independent or simultaneous control for up to two separate, isolated AC or DC control paths up to 120 Volts AC @ 2A non inductive.

When activated, each sensor transmits an open (trip) or close (restore) signal. The receiver portion drives a main and auxiliary output dry form C contact used to break the thermostat control path interrupting it if during the call or insuring the call does not initiate from the start.

Door Sensors

Energy Agent's wireless low power sensors are digitally coded to allow many sensors to operate in the same local environment without cross interference. Sensors can be mounted in either horizontal or vertical plane but must not be used directly on steel doors or embedded between steel studs as can severely limit radio transmission and transmission reliability.

Each wireless sensor is designed for two point surface or flush mount and comes with a high impact molded plastic tamperproof cover. Security screws can easily be installed for both the sensor as well as its paired magnet.

Maximum range of each sensor is typically kept within 150' of the Energy Agent module. Depending on the amount of ducting, metal structure and wall construction, transmission may be more or less. Choosing an optimum receiver location is of equal importance.



EA Sensor

Energy Agent Specifications

Control Dimensions: 3.85 in X 3.85 in X 2.55 H
RF Frequency: 319.5 MHz
Sensor Dimensions: 1.75 in. X .98 in. X .6 in H
Battery Type: 3 VDC, lithium coin-cell (CR2032)
Battery Life: 5-8 years
Operating Temperature Range: 10 to 120° F
Storage Temperature Range: -30 to 140° F
Relative Humidity: 0 – 90% non-condensing
(Complies with FCC Rules part 15)

Radio Specifications

Operating Temperature range: 40-120 ° F
Receiver Frequency: 319.5 MHz
Receiving range: 250 feet minimum in open air
Receiver type: Super regenerative
Relay contacts: Current: 5A maximum
Voltage: 120VAC maximum
Contacts: Dry – form C

Power Supply Specifications

Type: Protected switching power supply
Input: 95 – 250VAC
Grounded
Fused: Internally

Power Supply Connections

Energy Agent power supply can connect across air handler 220VAC or plug into a standard duplex outlet.

- Direct AC wire-in
 - With plug
 - Without plug

Direct AC wire-in configuration - provided with 7' cord with grounded U.S. style wall plug