



Intuitous Wireless Door Sensor

ECS-WD

Intuitous door sensors are designed for balcony or terrace doors where energy could be lost if the door remains open while the suite's heating or cooling system is running. These sensors are small battery powered devices that communicate with the Energy Conservation Controller wirelessly and only when the door has remained open for prolonged periods of time. When the door is closed, the sensor enters an idle (power down) state thus enabling long battery life in the range of 4 – 6 years under normal operating conditions. ECS-WD wireless door sensors are intelligent devices that contain their own timing and logic circuitry.

The ECS-WD sensor will only transmit to the controller when a door has remained open for more than 3 minutes.

The sensor will continue to alert the controller every 3 minutes while the door remains open. The sensor module comes with a separate permanent magnet that is mounted on the movable door in close proximity to the sensor. The sensor must be mounted on the door frame. Similar to standard security sensors, the sensor detects whether the door is open or closed based on how near the magnet is to the sensor.



Applications

The Intuitous Energy Conservation System monitors the temperature, lighting and occupancy of an area and overrides the heating, cooling and lighting systems based on a pre-determined Energy Conservation Plan (ECP).

The Intuitous ECS-WD Wireless Door Sensor is a highly reliable and easy to install sensor that is ideal for hotel or apartment terrace and balcony doors. The sensor notifies the controller when the door remains open to invoke either system shutdown or setback depending on the configuration preference.

Intuitous also manufactures wired energy conservation products. The "Wired" family of products is best suited for new construction or retrofit installation into commercial and retail buildings with easy access to control wiring through T-bar style ceilings and open areas.

Specifications

Operating Voltage	3.0VDC (2 "AAA" Alkaline Batt.)
Supply Current – Door Open	116ua
Supply Current - Transmit	4.50ma
Baud Rate	2400bps
Transmission Frequency	418MHZ
Wireless Transmit Range	Up to 50M
Mounting Configuration	Wall/door frame with adjacent magnet
Battery Life Expectancy	4-6 years
Operating Temperature	-20C ~ 50C (4F ~ 122F)
Dimensions	58mm x 41mm x 20mm + magnet

Wireless Certification: FCC ID: XDF 43870194, Industry Canada: 8354A-43870194
Specifications subject to change without notice.

Other Products in the Intuitous Wireless Family

ECS-WOL	Wireless Occupancy Sensor
ECC-WHCA	Wireless HVAC & Lighting Controller
ECC-WO	Wireless Lighting Controller
ECA-WHxxx	Wiring Harness (available pre-made or kit)
ECA-RT	Relay Transformer
ECA-IKEY	Installer Key



Long Battery Life

Intuitous wireless sensors are designed for ultra-low power consumption. The ECS-WD sensor will operate for up to 6 years on a pair of AAA alkaline batteries.

