



SS2020 Energy Management Lanai Door Sensor

Telkonet SmartEnergy™ Energy Management Solutions



Overview

The Telkonet SmartEnergy system couples the SS2000 Energy Management Occupancy Sensor with the SS1107 Energy Management Controller or the SS5000 Energy Management Thermostat, resulting in energy savings of up to 30 percent or more. The SS2020 Energy Management Lanai Door Sensor is an added solution for properties with patio/lanai doors and balconies. The Lanai Door Sensor, designed with advanced engineering and sophisticated people-sensing technology, is installed next to the patio door, saving additional energy by shutting down the HVAC unit if the door is left open.

When the patio door is left open, after a 45 second delay, the Lanai Door Sensor sends a signal to the controller so that the HVAC unit is shut down. When the door is closed, the sensor sends another signal to the controller, which turns the HVAC unit back on and reactivates the set point.

The Lanai Door Sensor is wireless, sending radio signals to the controller as the door is opened or closed. This provides simple and quick installation. Maintenance requires only the replacement of four "AA" batteries in the Sensors every two to three years.

The Telkonet SmartEnergy system provides HVAC runtime savings of around 30%. With the Lanai Door Sensor, savings can be even greater. Data is downloadable from the controller to a PC to provide savings reports. The reports show information such as total runtime hours saved, return on investment, wear and tear equipment life savings estimates, room occupancy statistics, and HVAC unit efficiency. Other useful information shows HVAC unit efficiency.

Features

- Wireless
- Portable power, no wiring needed
- Resistant to sun, TV, moving curtains
- Uses digital signal processing to recognize people, even when sleeping
- Superior RFI and EMI immunity
- FCC approved
- SSDN radio network, 49.85 MHz., 1200 BAUD
- Wireless door sensors turn off HVAC when a patio door is left open
- Hard-wired interface optionally available via 4 pin Molex
- Wireless / wired door-switch monitoring available
- Low power mode allows for extended battery life
- Selectable RF transmit rates for reliable communication in varying construction

Technical Specifications

Parameter	Limits	Units	Comments
Operational Voltages	4 - 6.5	VDC	5.0 VDC nom.
Input Current	100/62,000	uAmp	View/Transmit mode
Output Power	1 mW ERP	FCC part 15	
Frequency	49.85	MHz	AM modulation
BAUD Rate	1,200	BPS	—
Radio Range	100 - 300	Feet	Varies with construction
Batteries	4 AA	Alkaline AA	
Dimensions	4.6 X 1.5	Inches	Diameter x profile
Certifications	FCC, RSSI	—	US, Canada, Mexico

*Technical specifications are subject to change at any time.



Telkonet SmartEnergy™



Related Products: SS1107 Energy Management Controller, SS5000 Energy Management Thermostat

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