EASYFIT
by EnOcean

Key Card Switch

Self-powered Wireless Occupancy Detection

Take the first step toward significant energy savings. The Key Card Switch is one of the simplest, most economical ways to save energy through occupancy based control of lighting, HVAC and miscellaneous electric loads. The switch is self-powered and the simple act of inserting or removing the card generates enough kinetic energy to send a wireless signal to other EnOcean-based devices within the room. To operate the switch, guests simply insert their key card in the slot when they enter the room and then remove it when they leave. The key card switch is wireless and can be installed in minutes without having to drill into the wall or run additional wiring. The switch features a clean contemporary styling, making it an attractive addition that's sure to compliment any décor.

Features & Benefits

- **Interoperable.** Communicates wirelessly with other devices using the EnOcean wireless standard.
- **Self-powered.** Embedded mechanical energy harvesting element harvests power from the motion of inserting or removing a hotel key card. Energy harvesting eliminates the need for wires or batteries.
- Key card slot accommodates any standard hotel key card.
- Device is wireless and self-powered, eliminating the need for additional wiring and batteries, so installation is quick and easy and operating costs can be reduced.

EKCS






Key Card Switch

Specifications

Power Supply	Mechanical energy harvesting (power is generated by inserting the card into the key card switch)	
Inputs/Outputs	• Slot for standard hotel key card (2.125" W x 3.375" H x 0.034" D) (54mm W x 86mm H x 0.9mm D) • Radio Frequency (RF) transmitter	
RF Communications	EnOcean 902 MHz, 868 MHz	
Transmission Range	80ft. (25m)	
EnOcean Equipment Profile (EEP)	F6-04-01	
RF Transmission	On key card insertion or removal	
Installation	Surface mounted on wall (using included mounting screws)	
Dimensions	4.72" H x 3.8" W x .43" D (at edge) (120mm x 97mm x 11mm)	
Weight	3.5 oz. (99 g)	
Environment	Indoor use only 32° to 131° F (0° to 55° C) 5% to 95% relative humidity (non-condensing)	
Agency Compliance	902 MHz Contains: 868 MHz Contains:	FCC: SZV-PTM330U IC: 5713A-PTM330U CE certified R&TTE conform

Note: These products are offered solely as finished products for OEM customers. OEM customers must add their own CE declaration and product identification where applicable.

Ordering information

Item Number	Item Description	Color
EKCSU-W-EO	Key Card Switch, 902 MHz	White
EKCSA-W-EO	Key Card Switch, 868 MHz	White

v2.1

Typical Applications

The Key Card Switch is ideal for detecting occupancy within guest rooms in hotels, senior residences or similar living spaces. Combine it with a HVAC setback module or thermostat for an extremely affordable occupancy based solution for controlling HVAC energy use. Install an switch module and add convenient control of lights and other electrical loads.

Energy Harvesting Wireless

Enjoy unlimited flexibility and performance with EnOcean-enabled energy harvesting wireless solutions. Systems that employ this wireless device benefit from limitless supplies of energy and unrivaled flexibility.

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300 EnOcean Alliance Members
1000 Interoperable Products

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