AMTEK Self-Powered Wireless Controls
SWITCHES

AMTEK

AMTEK Self-Powered Wireless Light Switches are completely wireless and battery-free. This offers unique flexibility in installation and operation.

AMTEK Wireless Light Switches are powered by kinetic-energy-harvesting technology. A press of the switch is converted into a small amount of electricity, which transmits a wireless radio-frequency signal to controllers and other devices. Use our switches to remote-control your lighting control relays without running wires to the switch location.

SAVE MONEY

ENERGY SAVINGS
Businesses can reduce annual energy costs by 25% with updated controls.

FAST INSTALLATION
Avoid disrupting business operations by installing our controls quickly during off hours.

UNIQUE APPLICATIONS
Our wireless controls can be installed in places where wired controls cannot, creating new opportunities for saving.

GREEN ENERGY

ENERGY HARVESTING
Solar-power and motion sensors are designed to save energy by turning down lights automatically.

SELF-POWERED & WIRELESS
Our wireless switches and sensors are powered by kinetic and solar energy and do not require wiring.

ENERGY CODE COMPLIANCE
Our products comply with current government and industry energy codes DLC, California Title 24 and ASHRAE 90.1.

FLEXIBLE INTEGRATION

EASY CONFIGURATION
Android & iOS apps available for adjusting your lighting configuration.

WIRELESS IoT
AMTEK provides wireless solutions for EnOcean, ZigBee, and Bluetooth-powered IoT systems.

BUILDING MANAGEMENT SYSTEM INTEGRATION
Easy integration with your building management system using BACnet protocol.

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Tel: +1(514) 819-1653 | www.amtekgroup.com

AMTEK Self-Powered Wireless Controls
SWITCHES

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Control a single fixture or a group of lights with the AMTEK Single and Dual-Rocker Switches.

The switches communicate with 902 MHz EnOcean, ZigBee and Bluetooth protocols.

EnOcean switches use their 902 MHz protocol to send a wireless RF signal to controllers and gateways

ZigBee switches communicate wirelessly with a wide variety of ZigBee-compatible systems

Bluetooth switches communicate wirelessly with a wide variety of Bluetooth-compatible systems

SINGLE-ROCKER SELF-POWERED WIRELESS LIGHT SWITCH

	902 MHZ AMI-WES1- **	ZigBee AMI-WZS1-WH	Bluetooth AMI-WBS1-WH
RANGE	50-150 ft.	30-100 ft. (typical)	30-100 ft. (typical)
FREQUENCY	902 MHz	2.4 GHz (ZigBee channels 11-26)	Bluetooth 2.4 GHz
POWER SUPPLY	Self-generated when switch is pressed	Self-generated when switch is pressed	Self-generated when switch is pressed
BUTTONS	2 buttons (1 rocker)	2 buttons (1 rocker)	2 buttons (1 rocker)
OUTPUT CHANNELS	Only limited by number of receivers in range		
DIMENSIONS	2.75"(W) x 4.5"(H) x 0.62"(D)	2.75"(W) x 4.5"(H) x 0.62"(D)	2.75"(W) x 4.5"(H) x 0.62"(D)
OPERATING TEMP.	-13° to +149°F (-25° to +65°C)	-13° to +149°F (-25° to + 65°C)	-13° to +149°F (-25° to + 65°C)
RADIO CERTIFICATIONS	FCC (United States): SZV-PTM200C 210C or 210U I.C. (Canada): 5713A-PTM200C 210 C or 210U *868 Not FCC Apprvd.	Certified according to FCC and IC and CE regulations	Certified according to FCC and IC and CE regulations
ADDRESSING	Factory-set unique ID (1 of 4 billion)	Factory-set unique ID	Factory-set unique ID

DUAL-ROCKER SELF-POWERED WIRELESS LIGHT SWITCH

	902 MHZ AMI-WES2- **	ZigBee AMI-WZS2-WH	Bluetooth AMI-WBS2-WH
RANGE	50-150 ft.	30-100 ft. (typical)	30-100 ft. (typical)
FREQUENCY	902 MHz	2.4 GHz (ZigBee channels 11-26)	Bluetooth 2.4 GHz
POWER SUPPLY	Self-generated when switch is pressed	Self-generated when switch is pressed	Self-generated when switch is pressed
BUTTONS	4 buttons (2 rockers)	4 buttons (2 rockers)	4 buttons (2 rockers)
OUTPUT CHANNELS	Only limited by number of receivers in range		
DIMENSIONS	2.75"(W) x 4.5"(H) x 0.62"(D)	2.75"(W) x 4.5"(H) x 0.62"(D)	2.75"(W) x 4.5"(H) x 0.62"(D)
OPERATING TEMP.	-13° to +149°F (-25° to + 65°C)	-13° to +149°F (-25° to + 65°C)	-13° to +149°F (-25° to + 65°C)
RADIO CERTIFICATIONS	FCC (United States): SZV-PTM200C 210C or 210U I.C. (Canada): 5713A-PTM200C 210 C or 210U *868 Not FCC Apprvd	Certified according to FCC and IC and CE regulations	Certified according to FCC and IC and CE regulations
ADDRESSING	Factory-set unique ID (1 of 4 billion)	Factory-set unique ID	Factory-set unique ID

**** COLOR CODE**

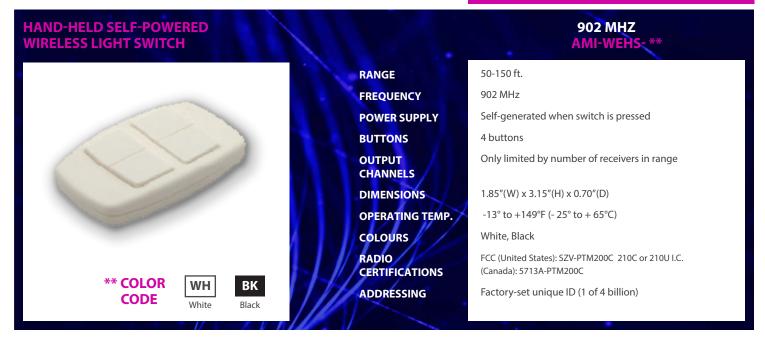| WH	BK	AL	IV	GY	BR
White	Black	Almond	Ivory	Grey	Brown

AMTEK Self-Powered Wireless Controls
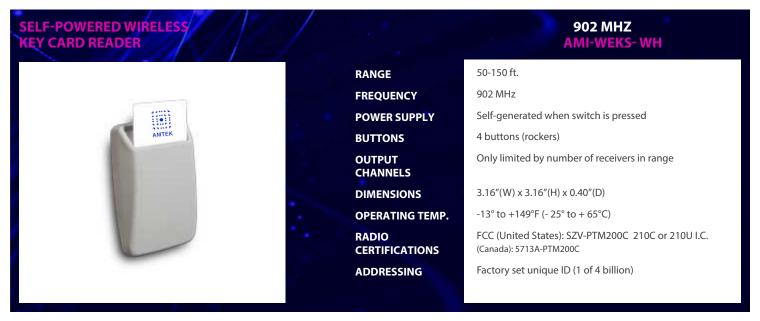## SWITCHES

Control multiple individual light fixtures or groups of lights with the ***AMTEK Hand-held Dual-Rocker Self-Powered Wireless Light Switch***. *Each rocker can separately control an unlimited number of AMTEK controllers that are within range.*

EnOcean Switches use their 902 MHz protocol
to send a wireless RF signal
to controllers and gateways

HAND-HELD SELF-POWERED WIRELESS LIGHT SWITCH

902 MHZ
AMI-WEHS- **

RANGE	50-150 ft.
FREQUENCY	902 MHz
POWER SUPPLY	Self-generated when switch is pressed
BUTTONS	4 buttons
OUTPUT CHANNELS	Only limited by number of receivers in range
DIMENSIONS	1.85"(W) x 3.15"(H) x 0.70"(D)
OPERATING TEMP.	-13° to +149°F (- 25° to + 65°C)
COLOURS	White, Black
RADIO CERTIFICATIONS	FCC (United States): SZV-PTM200C 210C or 210U I.C. (Canada): 5713A-PTM200C
ADDRESSING	Factory-set unique ID (1 of 4 billion)

** COLOR CODE

WH	BK
White	Black

The ***AMTEK Self-Powered Wireless Key Card Reader*** *automates hotel room energy conservation by disabling HVAC and overall lighting in unoccupied rooms. The device generates its own power when a key card is inserted or removed, converting the motion into wireless control signals.*

SELF-POWERED WIRELESS KEY CARD READER

902 MHZ
AMI-WEKS- WH

RANGE	50-150 ft.
FREQUENCY	902 MHz
POWER SUPPLY	Self-generated when switch is pressed
BUTTONS	4 buttons (rockers)
OUTPUT CHANNELS	Only limited by number of receivers in range
DIMENSIONS	3.16"(W) x 3.16"(H) x 0.40"(D)
OPERATING TEMP.	-13° to +149°F (- 25° to + 65°C)
RADIO CERTIFICATIONS	FCC (United States): SZV-PTM200C 210C or 210U I.C. (Canada): 5713A-PTM200C
ADDRESSING	Factory set unique ID (1 of 4 billion)

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The **AMTEK Wired Dimming Control Slider** *is offered as an accessory for customers who need a traditionally hard-wired switch solution to dim a light. The switch features a dimming slider and a standard ON/OFF button with a small LED locator light.*
It can also be used in conjunction with an area controller or a constant-voltage LED dimming controller to be integrated into a wireless control system with our wireless light switches. When used in conjunction with such switches, the light level follows the behavior of the most-recently-received control signal, or with the **Wired 0-10V Dimming Control Slider** *functioning as an override control.*

HARD-WIRED 0-10V DIMMING CONTROL SLIDER

AMI-WDCS

SWITCH TYPE	Single-Pole & 3-Way
TYPE	Electro-Mechanical
LOAD TYPE	Electronic 0-10 VDC
LOAD RATING	1200 VA
VOLTAGE	120/277 Volt AC 60 Hz
COLOUR	Each box includes White, Ivory, & Light Almond
PROTECTION	Radio/TV Filter
STANDARDS	UL/CSA
WARRANTY	5-Year Limited

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