

AMTEK Self-Powered Wireless Controls **CONTROLLERS**



AMTEK Controllers are engineered to receive radio transmissions from AMTEK self-powered wireless light switches and sensors.

Control virtually anything that turns on and off by simply wiring an **AMTEK Wireless Controller** between the power source and the device. Our controllers are typically used to control lights, lamps, fans, blinds, HVAC systems and security systems.



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.



*We Enlighten Your Life
Nous Illuminons Ta Vie
Iluminamos Tu Vida*

AMTEK CANADA ACI, Suite #200, 550 Sherbrooke West, Montréal, Québec, Canada, H3A 1B9
Tel: +1(514) 819-1653 | www.amtekgroup.com

AMTEK Self-Powered Wireless Controls

CONTROLLERS

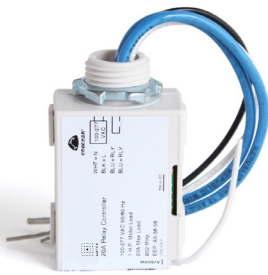


The **AMTEK 20A On/Off Area Controller** switches full circuit 20 Amp. loads on command from wireless switches, sensors, and central controllers to facilitate the reduction of energy consumption and to support compliance with the latest energy regulations. Our long-lasting device delivers reliable high-current switching, using solid-state arc-suppression technology to eliminate arcing during switching of the mechanical relay contacts. Its wireless functionality reduces the installation time and expense by eliminating wiring to switches and sensors.

Use our unit for automatic control of LED lighting, plug loads, motors, etc., and for applications where the expense or disruption of pulling new wires would be prohibitive.

20A ON/OFF WIRELESS AREA CONTROLLER

902 MHZ AMI-WEAC20



APPLICATIONS

- Remote Switching
- Re-zoning without rewiring
- Class Rooms
- Daylight harvesting
- Load shedding

RANGE

50-150 feet

RF COMMUNICATIONS

902 MHz EnOcean

SUPPLY VOLTAGE

100-277 VAC 50 /60 Hz

MAX. LOAD

20 Amps all loads, induction, fluorescent, LED, Other: 1 HP motor loads, 160A max inrush current

DIMENSIONS

2.11 x 1.73 x 1.09 inches (54 x 44 x 28 mm.)

OPERATING TEMP.

+32° to +122°F (0° to +50°C)

STORAGE TEMP.

-4° to +176°F (-20° to +80°C)

CERTIFICATIONS

UL 60730 (safety) | UL 2043 (plenum)
CSA c22.2#14005 (safety) | CE - IEC 60730

The **AMTEK 5A On/Off Wireless Fixture Controller** is a line-voltage controller that allows lights to be controlled by AMTEK self-powered switches, occupancy sensors, light sensors, and gateways to implement power-saving strategies.

5A ON/OFF WIRELESS FIXTURE CONTROLLER

902 MHZ AMI-WEFC5



APPLICATIONS

- Remote Switching
- Re-zoning without rewiring
- Class Rooms
- Daylight harvesting
- Load shedding

RANGE

50-150 feet

RF COMMUNICATIONS

902 MHz EnOcean

SUPPLY VOLTAGE

100-277 VAC 50 /60 Hz

MAX. LOAD

70A max inrush current, 1/4 HP

DIMENSIONS

2.61 x 1.73 x 1.09 inches (66 x 44 x 28 mm.)

OPERATING TEMP.

+32° to +122°F (0° to +50°C)

STORAGE TEMP.

-4° to +176°F (-20° to +80°C)

CERTIFICATIONS

UL 60730 (safety) | UL 2043 (plenum)
CSA c22.2#14-05 (safety) | CE - IEC 60730
FCC ID: SZV-STM300U; IC ID: 5713A-STM300U



We Enlighten Your Life
Nous Illuminons Ta Vie
Iluminamos Tu Vida

AMTEK CANADA ACI, Suite #200, 550 Sherbrooke West, Montréal, Québec, Canada, H3A 1B9
Tel: +1(514) 819-1653 | www.amtekgroup.com

AMTEK Self-Powered Wireless Controls CONTROLLERS



The **AMTEK 20A 0-10 V Area Controller** allows wireless control of a room's ambiance by dimming LED and fluorescent luminaries. Our controller also reduces energy consumption and supports compliance with the latest energy regulations. It is rated for switching full 20A circuits, allowing it to work in nearly any application.

AREA VS. FIXTURE CONTROLLER: The Area Controller on this page features full 20A circuit switching capacity and may be used to control multiple fixtures over a larger area by daisy-chaining the 0-10V control signals between fixtures.

20A 0-10 V WIRELESS DIMMING AREA CONTROLLER

902 MHZ AMI-WEDAC20



APPLICATIONS

- Conference Rooms
- Offices
- Class Rooms
- Daylight harvesting
- Load shedding

SUPPLY VOLTAGE
MAX. LOAD

COMPATIBLE LOADS
RANGE

RF COMMUNICATIONS

DIMENSIONS

OPERATING TEMP.

STORAGE TEMP.

MEMORY STORAGE

TRANSMIT EEP

CERTIFICATIONS

100-277 VAC 50 /60 Hz

20 Amps Resistive, Induction, Fluorescent, LED, Other
160A Max Inrush Current: 0-10V sink 100mA
0-10V source 1mA (ANSI E1.3-2001 R2011)

Metal Halide; Sodium Vapour; LED; Induction; Fluorescent
50-150 feet

902 MHz EnOcean

2.11 x 1.73 x 1.09 inches (54 x 44 x 28 mm)

+32° to +122°F (0° to +50°C)

-4° to +176°F (-20° to +80°C)

20 links

A5-38-08

UL 60730 (safety); UL 2043 (plenum); CSA c22.2#14-05 (safety);
CE – IEC 60730; FCC: SZV-STM300U IC: 5713A-STM300U

The **AMTEK 5A 0-10V Fixture Controller** allows wireless control of room ambiance by dimming LED and fluorescent lights. The controller reduces energy consumption through the use of manual control, vacancy detection, daylighting, as well as load shedding strategies enabled with wireless connections to accessories such as wireless motion sensors, light sensors, switches, etc. Our controller provides a compelling, cost-effective, minimally-disruptive solution for compliance with the latest energy regulations.

AREA VS. FIXTURE CONTROLLER: The 5A Fixture Controller on this page is optimized for use one per fixture to eliminate the need for adding control wiring between fixtures.

5A 0-10V WIRELESS DIMMING FIXTURE CONTROLLER

902 MHZ AMI-WEDAC5



APPLICATIONS

- Conference Rooms
- Offices
- Class Rooms
- Daylight harvesting
- Load shedding

SUPPLY VOLTAGE
MAX. LOAD

COMPATIBLE LOADS
RANGE

RF COMMUNICATIONS

DIMENSIONS

OPERATING TEMP.

STORAGE TEMP.

CERTIFICATIONS

100-277 VAC 50 /60 Hz

5 AMPS all loads; 0-10V sink 100mA; 0-10V source 1mA
70A Max Inrush Current

Metal Halide; Sodium Vapour; LED; Induction; Fluorescent
50-150 feet

902 MHz EnOcean

2.11 x 1.73 x 1.09 inches (54 x 44 x 28 mm)

+32° to +122°F (0° to +50°C)

-4° to +176°F (-20° to +80°C)

UL 60730 (safety); UL 2043 (plenum); CSA c22.2#14-05 (safety);
CE – IEC 60730; FCC: SZV-STM300U IC: 5713A-STM300U



We Enlighten Your Life
Nous Illuminons Ta Vie
Iluminamos Tu Vida

AMTEK CANADA ACI, Suite #200, 550 Sherbrooke West, Montréal, Québec, Canada, H3A 1B9
Tel: +1(514) 819-1653 | www.amtekgroup.com

AMTEK Self-Powered Wireless Controls CONTROLLERS



The **AMTEK 8 Channel Low Voltage Controller** connects wireless light switches and sensors to new or existing control systems. This low voltage on/off controller responds to up to 80 different transmitters and provides 8 output channels (dry contact or 8-30V for relay and contractor applications).

The outputs can be programmed as either momentary or maintained contacts.

8 CHANNEL WIRELESS LOW VOLTAGE CONTROLLER

902 MHZ AMI-WELVC8



RANGE
RF COMMUNICATIONS
**POWER SUPPLY
INPUT RATING**
OUTPUT RATING
OUTPUT CHANNELS
OPERATING TEMP.
STORAGE TEMP.
DIMENSIONS
CERTIFICATIONS

50-150 feet
902 MHz EnOcean
8-28 VAC or 8-30 VDC / 250 mA max
2A at 30 VAC or DC
Form A – N.O. Dry Contacts
+13° to +140°F (-25° to +60°C)
-40° to +140°F (-40° to +60°C)
5.12"W x 3.21"H x 1.10"D (10.7cm x 7.2cm x 2.9cm)
FCC (United States): SZV-TCM2XXC IC
(Canada): 5713A-TCM2XXC

APPLICATIONS

- Wireless plant controls
- Wireless fan and light control
- Facilities energy management
- Gas station lighting
- Hotel room lighting/HVAC
- Wireless access control door lock
- Automatic generator control systems
- Office lighting/HVAC controls



We Enlighten Your Life
Nous Illuminons Ta Vie
Illuminamos Tu Vida

AMTEK CANADA ACI, Suite #200, 550 Sherbrooke West, Montréal, Québec, Canada, H3A 1B9
Tel: +1(514) 819-1653 | www.amtekgroup.com

AMTEK Self-Powered Wireless Controls CONTROLLERS



The **AMTEK Wireless Constant-Voltage PWM Dimming Controller** delivers 65,000 PWM dimming steps to provide ultra-smooth dimming performance through all light levels. These tiny dimmers are 1/2 to 1/4 the size of other LED dimmers and overcome a major challenge faced by traditional LED dimmers; the devices eliminate the issue of choppiness at low dim levels.

Through the use of thousands of PWM dimming steps, the **AMTEK Wireless Constant-Voltage PWM Dimming Controller** creates what is perceived by the natural eye as a single continuous dim -- even at low light levels.

These controllers are perfect for energy-saving applications such as architectural dimming, daylighting, load shedding, and manual ON / automatic OFF control. The dimmers may also be used for custom lighting applications.

The wireless dimming controller (**AMI-WECVDC**) responds to self-powered wireless light switches, self-powered wireless sensors, wired sensors, and wired switches. The hard-wired dimming controller (**AMI-CVDC**) responds to wired sensors or wired control switches.

WIRELESS CONSTANT-VOLTAGE PWM DIMMING CONTROLLER



902 MHZ AMI-WECVDC

WIRED AMI-WECVDC

	902 MHZ AMI-WECVDC	WIRED AMI-WECVDC
RANGE	50-150 feet	N/A
RF COMMUNICATIONS	902 MHz EnOcean	N/A
POWER SUPPLY INPUT RATING	8-28 VDC – 40 mA	
OUTPUT RATING	Constant voltage 0-28 VDC (5A max.)	
INPUT CHANNELS	902MHz RF Transmitter Control	50 - 150 feet
OUTPUT CHANNELS	1 output — PWM dimming	
MEMORY	Stores up to 25 unique wireless transmitter IDs in memory	N/A
OPERATING TEMP.	+13° to +140°F (-25° to +60°C)	
STORAGE TEMP.	-40° to +140°F (-40° to +60°C)	
DIMENSIONS	2.88"(W) x 1.30"(H) x 0.67"(D) (7.32 cm. x 3.30 cm. x 1.70 cm.)	
CERTIFICATIONS	FCC (United States): SZV-TCM2XXC IC (Canada): 5713A-TCM2XXC	N/A



AMTEK Self-Powered Wireless Controls

CONTROLLERS



The **AMTEK Wireless 600W Phase-Cut Dimming Controller** is a phase-adaptive line voltage lighting controller that makes upgrading to a hybrid lighting system easy by providing reverse or forward-phase dimming based on the connected load type (tungsten, two-wire fluorescent, line-voltage LED, and electronic low-voltage — 120V only — transformer loads).

Use as part of a wireless control system to reduce energy consumption or to implement compliance with the latest energy regulations.

FEATURES

- Reverse or forward-phase single-channel 600 Watt dimming.
- Integrated daylight harvesting control with Photo Inhibit feature.
- Easy installation on electrical junction boxes with 1/2 " mounting nipple.
- Doubles as a telegram repeater.
- Phase adaptive dimming. Provides reverse or forward dimming based on connected load type.
- Central command support for BACnet management system control.
- Interoperable. Communicates wirelessly with other devices using the EnOcean wireless standard.

WIRELESS 600 WATT PHASE-CUT DIMMING CONTROLLER



902 MHZ AMI-WEPCDC600

POWER SUPPLY

120 VAC or 277 VAC @ 50/60Hz

POWER CONSUMPTION

Min. 1W load – Max. 600 W load

- Tungsten
- 2-wire Fluorescent
- Line voltage LED
- Electric low voltage transformer (120 V only)

RF COMMUNICATIONS

902 MHz EnOcean

TRANSMIT EEP

F6-02-02 (Light and Blinds Control - US/Canada application)
A5-06-02 (Light Sensor [range 0 - 1024 lux])
A5-07-01 (Occupancy Sensor)
A5-38-08 (Central command, switching, dimming and set point)

RANGE

50-150 feet

OPERATING TEMP.

CSA: 32°F to 104°F (0°C to 40°C)
UL: 32°F to 122°F (0°C to 50° C)

RELATIVE HUMIDITY

5% to 95% RH (non-condensing)

DIMENSIONS

3.5 x 3.1 x 1.9 inches (89 x 78 x 47 mm)

CERTIFICATIONS

ETL, UL, FCC, & IC compliant



We Enlighten Your Life
Nous Illuminons Ta Vie
Illuminamos Tu Vida

AMTEK CANADA ACI, Suite #200, 550 Sherbrooke West, Montréal, Québec, Canada, H3A 1B9
Tel: +1(514) 819-1653 | www.amtekgroup.com