



AS-100 – AUTOMATIC CONTROL SWITCH

This is the automatic control switch. The IntelliSwitch® AS-100 Automatic Control Switch operates as both a manual and automatic control device. Manually, it allows users to control loads on/off. Automatically, it receives signals to turn lighting on or off from lighting control panels or other lighting control systems.

The AS-100 replaces a standard wall switch. Occupants turn the lights on and off manually by its pushbutton. However, when a timed power interrupt signal is received from a lighting control panel, the AS-100 is automatically commanded to turn on, turn off or delay off. The duration of the power interrupt signal determines how the AS-100 will operate.

Used with a lighting control panel, the AS-100 allows users to manually turn lighting on in private offices, while lighting in common areas turns on automatically. After hours, if lights were not shut off by users, a signal from the control panel would command the switch to delay off. Lighting “blink” warns users that lights will turn off in five minutes. **Check out Wattstopper DLM products here.**

- Settings are selected with the front pushbutton using configuration LEDs; face plate does not need to be removed for setup
- Users can select automatic-on operation, and an audible

beep warning

- Selectable beep warning sounds every minute during last five minutes, and every five seconds during last minute
 - Five minute delay-off time with user ability to cancel impending shutoff
 - Self-adjusting zero crossing switching for consistent, reliable operation of high inrush loads
 - Can be used in 3-way, 4-way and multiway switching applications
 - Compatible with all electronic ballasts and motor loads
 - Microcontroller enhances reliability
 - Command off without delay off time
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BZ-150 – UNIVERSAL VOLTAGE POWER PACK

This is the Wattstopper universal voltage power pack. The BZ-150 Universal Voltage Power Pack is full featured and can provide 24 VDC operating voltage to Wattstopper's low voltage occupancy sensors. In addition, the BZ-150 enables manual-on, hold-on, hold-off and load shed applications when used with lighting control panels or building management systems. This device is constructed with environmentally friendly materials and is RoHS-compliant.

The BZ-150 consists of a high-efficiency switching power

supply and a high-current relay. It has an input of 120/277 VAC, 50/60Hz, and an output of 24VDC, 225mA. It turns the connected load on and off automatically based on occupancy sensor input, or manually with a low-voltage momentary switch. The dip switch setting allows the user to select Auto ON or Manual ON as the operating mode. Additional low-voltage inputs provide hold-on and hold-off features for broader applications. **Check out Wattstopper DLM products here.**

- Self-contained power supply relay system
- Efficient switching power supply providing optimized current output based on number of sensors
- LED indicates status of relay or if there is a low-voltage overcurrent
- Hold-on and hold-off inputs integrate with BMS, lighting control panels & other building systems
- Integrates with low-voltage momentary switch to control any 24VDC occupancy sensor
- The product meets the materials restrictions of RoHS
- Provides auto-on or manual-on field-selectable operating mode
- Zero crossing circuitry for reliability and increased product life
- UL 2043 plenum rated for cost-effective installation
- 1/2" snap-in nipple attaches to standard electrical enclosures through 1/2" knockouts
- 14 AWG wires on the relay for 20A operation
- BAA/TAA-compliant models available



BZ-200 – LIGHTING & PLUG LOAD POWER PACK

This is the lighting & plug load power pack. The BZ-200 power pack switches connected loads On and Off in response to Wattstopper low voltage occupancy sensors. It also provides up to 225mA at 24VDC to power the sensors. This device is constructed with environmentally friendly materials and is RoHS-compliant.

The BZ-200 consists of a high-efficiency switching power supply and a high-current relay. It has an input of 120-277 VAC, 50/60Hz, and an integral On / Off button to switch out power, allowing the installer to quickly verify load operation. Following installation, the power pack turns the connected load On and Off automatically based on occupancy sensor input. **Check out Wattstopper DLM products here.**

- Efficient switching power supply provides optimized current output based on number of sensors
 - Includes short circuit and thermal protection
 - LED indicates status of relay or presence of low-voltage overcurrent
 - UL 2043 plenum rated for cost-effective installation
 - UL listed for control of lighting and plug loads
 - Tested to NEMA 410 criteria for electronic ballast and driver inrush current
 - 1/2" threaded nipple attaches to standard electrical enclosures through 1/2" knockouts
 - 12 AWG wires on the relay for 20A operation
 - The product meets the materials restrictions of RoHS
 - BAA/TAA-compliant models available
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BZ-250 – LIGHTING & PLUG LOAD FLEX CONTROL POWER PACK

This is the lighting & plug load flex control power pack. The BZ-250 power pack switches lighting or plug loads On and Off in response to low voltage control inputs, and provides up to 225mA at 24VDC to power Wattstopper occupancy sensors. It enables Manual-On sequences of operation, as well as HoldOn, Hold-Off and load shed applications when used with lighting control panels or building automation systems. This device is constructed with environmentally friendly materials and is RoHS-compliant.

The BZ-250 consists of a high-efficiency switching power supply and a high-current relay. It turns the connected load Off automatically based on occupancy sensor input, and On either automatically based on occupancy, or manually in response to a low-voltage momentary switch. The installer can select Auto-On or Manual-On operation via an actuator switch on the power pack. The BZ-250 also accepts low-voltage Hold-On and Hold-Off inputs for broader applications. The BZ-250 relay can be set to open, close or maintain state prior to loss of power, so that lighting is in the preferred state (On, Off or last state) when power is restored. **Check out Wattstopper DLM products here.**

- Hold-On and Hold-Off inputs integrate with BAS, lighting control panels & other building systems
- Integrates with low-voltage momentary switch to control

- any 24VDC occupancy sensor
- Field-selectable Auto-On or Manual-On operation
 - Efficient switching power supply provides optimized current output based on number of sensors
 - Includes short circuit and thermal protection
 - LED indicates status of relay or presence of low-voltage overcurrent
 - UL 2043 plenum rated for cost-effective installation
 - UL listed for control of lighting and plug loads
 - Tested to NEMA 410 criteria for electronic ballast and driver inrush current
 - 1/2" threaded nipple attaches to standard electrical enclosures through 1/2" knockouts
 - 12 AWG wires on the relay for 20A operation
 - The product meets the materials restrictions of RoHS
 - BAA/TAA-compliant models available
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BZ-50 – UNIVERSAL VOLTAGE POWER PACK

The BZ-50 Universal Voltage Power Pack provides 24 VDC operating voltage to Wattstopper's low-voltage occupancy sensors. This device is constructed with environmentally friendly materials and is RoHS-compliant.

The BZ-50 consists of a high-efficiency switching power supply

and a high-current relay. It has an input of 120/277 VAC, 50/60Hz, and an output of 24VDC, 225mA. It turns the connected load on and off automatically based on occupancy sensor input. **Check out Wattstopper DLM products here.**

- Self-contained power supply relay system
 - Efficient switching power supply providing optimized current output based on number of sensors
 - LED indicates status of relay or if there is a low-voltage overcurrent
 - The product meets the materials restrictions of RoHS
 - Zero crossing circuitry for reliability and increased product life
 - UL 2043 plenum rated for cost-effective installation
 - 1/2" snap-in nipple attaches to standard electrical enclosures through 1/2" knockouts
 - 14 AWG wires on the relay for 20A operation
 - BAA/TAA-compliant models available
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CD-250 – PIR DIMMING MULTI-WAY WALL SWITCH VACANCY SENSOR

This is the PIR dimming multi-way wall switch vacancy sensor. The CD-250 PIR Dimming Multi-Way Vacancy Sensor provides

preset dimming control and automatic lighting shutoff for a variety of applications including those with multiple switch locations. It is engineered to comply with specific provisions of California's Title 24-2013 energy code. The CD-250 operates as a manual-on sensor. Users must press the pushbutton to turn on lighting. Once lighting is on, the dimming level may be adjusted by pressing and holding the pushbutton. The CD-250 employs PIR technology to sense the difference between the infrared energy from a person in motion and the background space. It keeps lighting on as long as motion is detected and provides automatic shutoff, following a user selected time delay, when motion is no longer detected. Users may turn the lighting off manually. The next time the CD-250 is turned on, the lighting will come on to the last light level. The CD-250 can dim incandescent loads from a minimum level of 10% to a maximum level of 100%. When the pushbutton is pressed and held, the CD-250 will fade the lights up and down in a continuous cycle until the pushbutton is released. The dimming direction may be reversed by momentarily releasing the pushbutton and then pressing it again. Lighting may be controlled from multiple locations by connecting additional CD-250s and/or RH-253 Single Pole Momentary Switches. When additional CD-250s are connected, each device provides full on/off and dimming control. Connected RH-253s provide on/off control only. **Check out Wattstopper DLM products here.**

- Replaces single- or multi-pole switches or incandescent dimmers
- Provides multi-way control when used with other CD-250s or RH-253s
- Adjustable time delay, 15 seconds to 30 minutes
- Lighted switch for visibility in darkened rooms
- Low-profile styling
- Choice of five decorator colors; lens is color matched to device
- Soft-start technology to prolong lamp life
- Air gap isolation switch for safe re-lamping

- Compatible with decorator wall plates
 - CA Title 24 compliant
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CH-250 – PIR MULTI-WAY WALL SWITCH VACANCY SENSOR

This is the PIR multi-way wall switch vacancy sensor. The CH-250 Passive Infrared (PIR) Multi-way Vacancy Sensor provides automatic lighting shutoff for a variety of applications including those with multiple switch locations. It is engineered to comply with specific provisions of California's Title 24-2013 energy code. The CH-250 operates as a manual-on sensor. Users must press the pushbutton to turn on lighting. The CH-250 employs PIR technology to sense the difference between the infrared energy from a person in motion and the background space. It keeps lighting on as long as motion is detected and provides automatic shutoff, following a user-selected time delay, when motion is no longer detected. Users may turn the connected load off manually. A CH-250 connected to other CH-250s and/or RH-253 Decorator Single Pole Momentary Switches provides true multi-way on/ off control. An occupant simply presses the on/off pushbutton of any connected device to turn on the lighting. Lights remain on as long as one of the CH-250s continues to detect occupancy. The user may turn off the lighting by pressing the on/off button on any of the connected devices. If the room becomes vacant and lights

are on, they will be switched off automatically following the time delay of the last CH-250 to detect occupancy. **Check out Wattstopper DLM products here.**

- Complies with 2011 NEC requirements
 - Replaces single- or multi-pole switches
 - Provides multi-way control when used with other CH-250s or RH-253s
 - Adjustable time delay, 15 seconds to 30 minutes
 - Lighted switch for visibility in darkened rooms
 - Low-profile styling
 - Choice of five decorator colors; lens is color-matched to device
 - Operates most common types of lighting
 - Relay-based switching
 - No current leakage to load in off mode for safety
 - Compatible with decorator wall plates
 - CA Title 24 compliant
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CI-205 – PASSIVE INFRARED CEILING SENSOR

This is the passive infrared ceiling sensor. Wattstopper's CI-200 Series Passive Infrared (PIR) Ceiling Sensors provide 360° coverage to detect occupancy in the controlled area. These low-profile sensors reliably control lighting in a

variety of applications.

The CI-200 Series Sensors are 24 VDC and control lighting through Wattstopper power packs. Utilizing the latest PIR technology, they turn lighting on when a difference is detected between the infrared energy from a human being in motion and the background space within the controlled area. After the area is vacated for a user-adjustable time delay, lighting automatically turns off. **Check out Wattstopper DLM products here.**

360° UP TO 1200 FT2



CI-205-1 – PASSIVE INFRARED CEILING SENSOR

This is the passive infrared ceiling sensor. Wattstopper's CI-200 Series Passive Infrared (PIR) Ceiling Sensors provide 360° coverage to detect occupancy in the controlled area. These low-profile sensors reliably control lighting in a variety of applications.

The CI-200 Series Sensors are 24 VDC and control lighting through Wattstopper power packs. Utilizing the latest PIR technology, they turn lighting on when a difference is detected between the infrared energy from a human being in motion and the background space within the controlled area.

After the area is vacated for a user-adjustable time delay, lighting automatically turns off. **Check out Wattstopper DLM products here.**



CI-24 – PASSIVE INFRARED HVAC/BAS CEILING SENSOR

This is the passive infrared HVAC/BAS ceiling sensor. Wattstopper's CI-24 ceiling mount passive infrared occupancy sensor reduces energy waste in unoccupied building spaces by communicating occupancy to EMS and HVAC systems.

The CI-24 occupancy sensor integrates with building control systems via an internal isolated relay. The isolated relay has normally open and normally closed outputs and is rated for 1 Amp at 24 VAC/VDC. The CI-24 connects to 24 VAC or 24 VDC building control systems. Power pack use is not necessary. When occupancy is detected, the sensor signals a building control system that in turn either turns on devices, such as heating or air conditioning, or increases their levels. Likewise, when the controlled area is vacated, the building control system will reduce airflow and fan speed or turn devices off. **Check out Wattstopper DLM products here.**

360° UP TO 1200 FT2



CI-24-1 – PASSIVE INFRARED HVAC/BAS CEILING SENSOR

This is the passive infrared HVAC/BAS ceiling sensor. Wattstopper's CI-24 ceiling mount passive infrared occupancy sensor reduces energy waste in unoccupied building spaces by communicating occupancy to EMS and HVAC systems.

The CI-24 occupancy sensor integrates with building control systems via an internal isolated relay. The isolated relay has normally open and normally closed outputs and is rated for 1 Amp at 24 VAC/VDC. The CI-24 connects to 24 VAC or 24 VDC building control systems. Power pack use is not necessary. When occupancy is detected, the sensor signals a building control system that in turn either turns on devices, such as heating or air conditioning, or increases their levels. Likewise, when the controlled area is vacated, the building control system will reduce airflow and fan speed or turn devices off. **Check out Wattstopper DLM products [here](#).**

360° UP TO 500 FT²



CI-305 – LOW VOLTAGE PIR CEILING SENSOR

This is the low voltage PIR ceiling sensor. Wattstopper's CI-300 Passive Infrared (PIR) Ceiling Sensors automatically turn lighting on and off based on occupancy. The sensor mounts on the ceiling with a flat, low-profile appearance and provides 360 degrees of coverage.

CI-300 Series Sensors operate on 24 VDC, VAC or halfwave rectified. Utilizing the latest PIR technology, they automatically turn lighting on when a difference is detected between infrared energy from a human body in motion and the background space. When no occupancy is detected for the length of the time delay, lighting automatically turns off. For manual-on operation, the CI-300 will operate with a low-voltage momentary switch. **Check out Wattstopper DLM products [here](#).**

360° up to 1200 ft²