Wattstopper®

InteliSwitch® Automatic Control Switch 120/277VAC (Version 2)

No: 24983 – 05/25 rev. 3

Installation Instructions • Instructions d'Installation • Instrucciones de Instalación

Catalog Number • Numéro de Catalogue • Número de Catálogo: AS-100

Country of Origin: Made in China • Pays d'origine: Fabriqué en Chine • País de origen: Hecho en China



SPECIFICATIONS

Voltages.....120 or 277VAC, 50/60Hz

Load Requirements

@120VAC, 50/60Hz....0-1300W ballast & incandescent

@277VAC, 50/60Hz.....0-3000W ballast

DESCRIPTION AND OPERATION

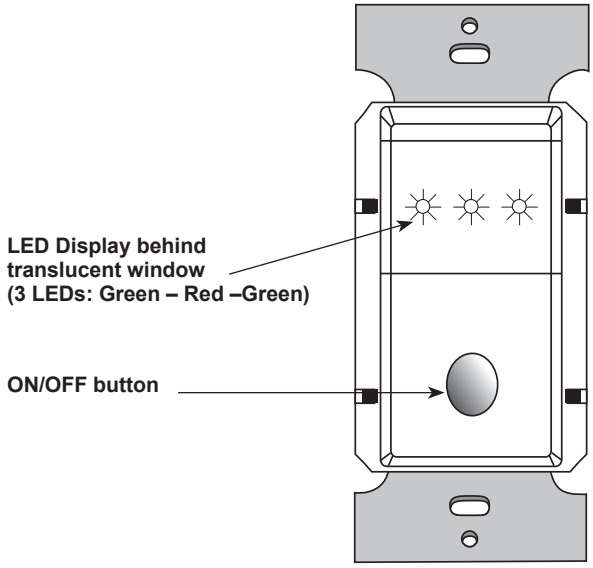
The Wattstopper InteliSwitch® AS-100 is an automatic control switch that operates as both a manual and automatic control device.

Manually, it allows users to control loads ON and OFF. Automatically, the AS-100 receives signals to turn loads ON and OFF from Wattstopper lighting control panels, or other lighting control systems.

Lighting control panels not only automatically turn lights ON and OFF, but can also send a shut-OFF signal to warn users that the switch will shut OFF lighting in five minutes. The LED on the AS-100 will blink, and an audible beep (if enabled, see SETUP section) warns users of the impending shut-OFF.

The display has three (3) LEDs that indicate activity and Setup Mode options (or current choices). The center (red) LED blinks during the shut-OFF time delay, indicating that lights will soon turn OFF.

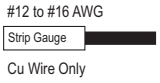
A Setup Mode allows selection of options for operation with a lighting control panel.



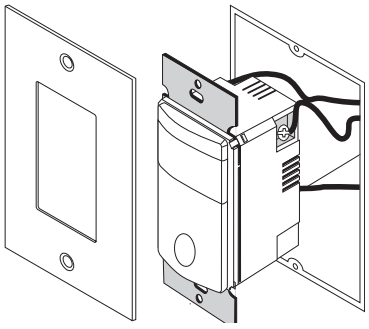
INSTALLATION

WARNING: TURN THE POWER OFF AT THE CIRCUIT BREAKER BEFORE WIRING.

1. Connect wires as shown in the WIRING section that follows.

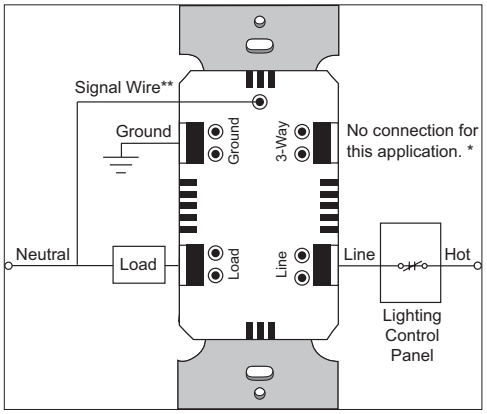


2. Attach the switch to the wall by mounting it in the wall box with the two (2) mounting screws provided.
3. Install the cover plate.
4. Turn ON power to the switch and, if necessary, put it into Setup Mode to select options.

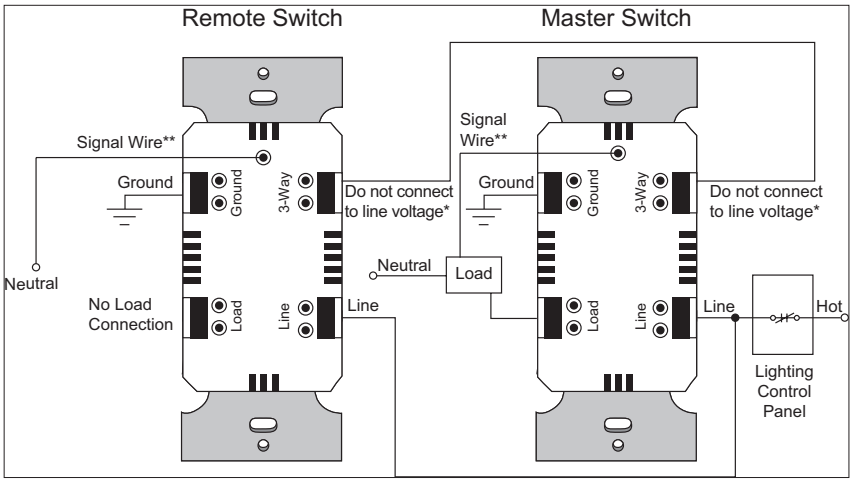


WIRING

The ground terminal must be connected to ground for the AS-100 to function. Never connect the AS-100 to a power pack; always connect the AS-100 to a lighting control panel.



Wiring a single switch to a lighting control panel



Wiring for 3-way operation with a lighting control panel

*** Never connect line voltage to the 3-Way terminal. Doing so will damage the AS-100 and void the warranty.**

****Signal Wire (Blue with White Stripe) connects to Neutral. For a replacement or retrofit application , it can connect to Ground.**

SETUP

The AS-100 Automatic Control Switch comes factory preset and ready to install in conjunction with a lighting control panel. The default operation is manual-ON/OFF along with automatic-OFF when signaled by the lighting control panel.

NOTE: Setup options apply to Master Switch only under 3-way operation.

If an audible beep warning or automatic-ON features are desired, use the following procedure:

- Setup for the switch options is accomplished with the ON/OFF button and LED display. There is no need to remove the cover plate.

1. To enter Setup Mode: Press and hold down the ON/OFF button until the LEDs flash every second from left to right (approximately 7 seconds).
2. When in Setup Mode, the configuration LEDs flash to indicate the current configuration settings. Press the ON/OFF button to sequence through the option selections until the desired options are displayed.
3. To exit Setup Mode and save the selected options: Press and hold the ON/OFF button until the LEDs flash every second from right to left (approximately 3 seconds). If the lights controlled by this switch are ON, the lighting fixtures will turn OFF. Setup is now complete and the option selections are saved.

   If the ON/OFF button is not pressed to exit Setup Mode, the AS-100 will time out of Setup Mode after approximately 30 seconds, and new option selections will not be saved.

Factory Settings:

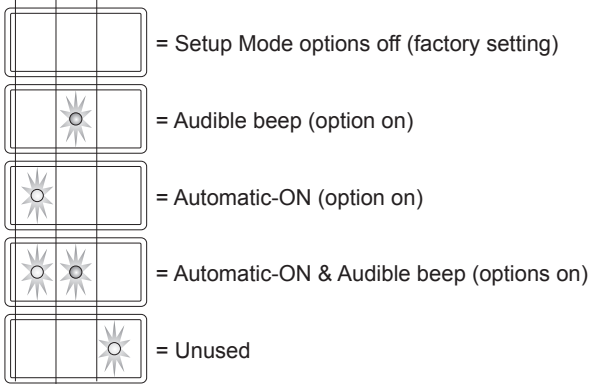
- Lighting control panel automatic-OFF capable.
- No Setup Mode options are selected.
- See Operation (next page) for other available functions.

Setup Mode Options:

(Option is on when LED flashes in display ☼)

Automatic-ON

Audible beep (during Automatic Delayed-off)



LED display

OPERATION

Manual ON and OFF control is always available by pressing the ON/OFF button.

Automatic-OFF and Automatic Delayed-OFF are always enabled regardless of other Setup Mode options.

When set for Automatic-ON mode (see SETUP section), the AS-100 turns ON the load when it receives the Automatic-ON signal from a Wattstopper lighting control panel or other lighting control system.

Automatic Control Signals

Automatic commands to turn OFF or turn ON the load connected to the AS-100 come from the lighting control panel interrupting power to the AS-100 for the amount of time shown below (timing must be +/- one-quarter of a second):

Command	Power Interrupt Duration	Function Description
Automatic-ON	3 sec.	Lights turn ON (if Automatic-ON Setup Mode option is enabled).
Automatic-OFF	5 sec.	Lights turn OFF when power is interrupted (for 5 seconds), turn back ON for 7 seconds, then turn OFF.
Automatic Delayed-OFF	1 – 2 sec.	Initiates a five-minute delay period before shutting OFF lights. At any time, pushing the ON/OFF button before the lights turn OFF cancels the countdown and keeps the lights ON until the next control signal from the lighting control panel, or until the AS-100 is manually turned OFF. During the Delayed-OFF period: 1. The lights flash once when power is interrupted (for 1–2 seconds). 2. The center (red) locator LED begins to blink once every two (2) seconds. 3. An audible beep sounds once every minute (if enabled, see Setup section). 4. During the final minute, the LED blinks once every second and the beep sounds every five (5) seconds (if enabled) until the lights are turned OFF.

TROUBLESHOOTING

WARNING: TURN THE POWER OFF AT THE CIRCUIT BREAKER BEFORE WIRING.

1. Verify that all connections are tightly secured.
2. Ensure that all wiring is properly done according to the schematic (see Wiring section).
3. Check for the correct option setting if the audible beep or Automatic-ON operating mode does not work properly (see SETUP section).
4. When choosing automatic commands to delay OFF, shut OFF or turn ON the switch by interrupting power to the switch, check the specified time duration and make sure the resolution for timing is +/- one-quarter of a second (see Operation section).
5. Check to make sure that the ground terminal is connected.
   The AS-100 will not operate properly without a ground connection.
6. If the AS-100 is still not functioning properly, call 800.879.8585 for Technical Support.

ORDERING INFORMATION

Catalog Number	Description
AS-100-W	Automatic Control Switch (White)
ASP-211	Cover plate for single-gang box
ASP-422	Blank cover plate for double-gang box
ASP-432	Cover plate for double-gang box with switch option

COVER PLATES

The Wattstopper InteliSwitch AS-100 Automatic Control Switch fits behind industry standard decorator-style cover plates. Wattstopper has both single- and double-gang switch plates available in most configurations. Consult the Wattstopper product selection guide or your distributor for more information.

WARRANTY INFORMATION

Wattstopper warranties its products to be free of defects in materials and workmanship for a period of five (5) years. There are no obligations or liabilities on the part of Wattstopper for consequential damages arising out of, or in connection with, the use or performance of this product or other indirect damages with respect to loss of property, revenue or profit, or cost of removal, installation or reinstallation.

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