

# UltraPro™

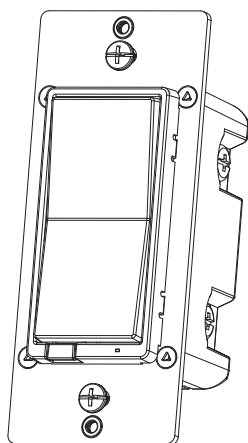


## In-Wall Smart Dimmer



Z-Wave® certified wireless lighting control

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MADE IN CHINA/HECHO EN CHINA  
Distributed by Jasco Products Company LLC,  
10 E. Memorial Rd., Oklahoma City, OK 73114.  
©JASCO 2020 | ZW3010 | 39351 | 09/02/20 v4



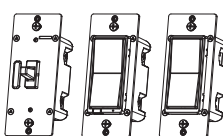
**39351  
ZW3010**

## Thank you for your purchase!

### Instructions made easy



Read instructions or watch easy-to-follow video. **Scan code or visit [byjasco.com/39351i](http://byjasco.com/39351i)**



For additional UltraPro products, visit our website.  
**[www.ezzwave.com](http://www.ezzwave.com)**

### Exclusive deals



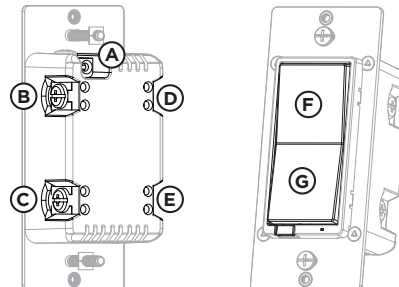
For deals, to register your purchase and to tell us how we're doing, simply scan the code or visit **[byjasco.com/deals](http://byjasco.com/deals)**

Like our product? Leave a review on [amazon.com](https://www.amazon.com)

Having problems? Let us know how we can help.  
**1-800-654-8483**  
between 7AM-8PM,  
M-F, Central Time.

## 1. FEATURES

- May be used in single-pole installation or with up to four add-on switches (model 39350) in 3-way or 4-way wiring configurations
- Compatible with all incandescent and most dimmable CFL/LED bulbs
- Auto line/load detection
- Blue LED indicates dimmer location in a dark room
- Screw terminal installation — requires wiring connections for line (hot), load, neutral and ground. Traveler wire required for 3-way or 4-way installation
- This Z-Wave device has advanced features that allow you to customize your experience. For a complete list of adjustable configurations, visit [www.ezzwave.com](http://www.ezzwave.com)



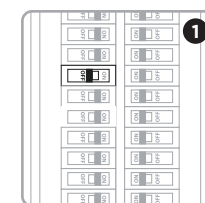
- A. Ground (Green/Bare) B. Line or Load (Black)  
C. Line or Load (Black)  
D. Traveler (Red/Other)  
E. Neutral (White)  
F. Top rocker — press & release to turn dimmer ON, press & hold to increase brightness  
G. Bottom rocker — press & release to turn dimmer OFF, press & hold to dim

## 2. INSTALLATION

### WARNING — SHOCK HAZARD

Turn OFF the power to the branch circuit for the dimmer and lighting fixture at the service panel. All wiring connections must be made with the POWER OFF to avoid personal injury and/or damage to the dimmer. This device is intended for installation in accordance with the National Electric Code and local regulations in the United States or the Canadian Electrical Code and local regulations in Canada. If you are unsure or uncomfortable about performing this installation, consult a qualified electrician.

## 2. INSTALLATION (CONT.)

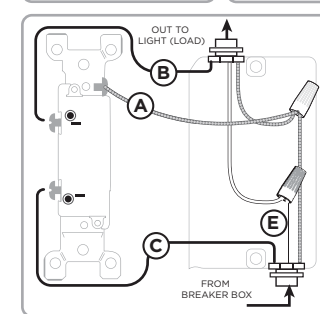
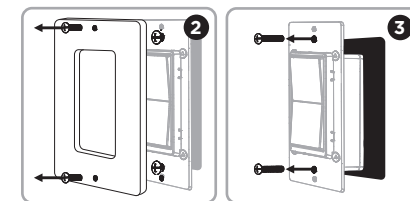


### MULTI-SWITCH WIRING

Add-on switch model 39350 is required for multi-switch installations. For more information on multi-switch installations, refer to the add-on switch manual.

### SINGLE-SWITCH WIRING

1. Shut off power to the circuit at circuit breaker or fuse box.
2. Remove wallplate.
3. Remove the switch mounting screws.



4. Carefully remove the switch from the switch box. DO NOT disconnect the wires.
  5. There are up to five screw terminals on the dimmer; these are marked:  
A. GROUND — Green/Bare  
B. LINE OR LOAD — Black (connected to power or lighting)  
C. LINE OR LOAD — Black (connected to power or lighting)  
D. TRAVELER — Red/Other (only in 3-way installations)  
E. NEUTRAL — White
- Match these screw terminals to the wires connected to the existing switch.

## 2. INSTALLATION (CONT.)

6. Disconnect the wires from the existing switch. Label wires according to the previous terminal connection.

### OBSERVE IMPORTANT WIRING INFORMATION

**IMPORTANT!** This dimmer is rated for and intended to only be used with copper wire.

### WIRE GAUGE REQUIREMENTS

Use 14AWG or larger wires suitable for at least 80° C for supplying line (hot), load, neutral, ground and traveler connections.

### WIRE STRIP LENGTH

7. For attachment using the enclosure's holes, strip insulation 5/8in. (16mm). Do not wrap wires around screws.

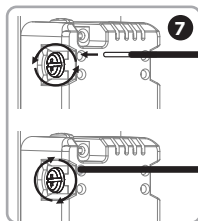
UL specifies the tightening torque for the screws is 14Kgf-cm (12lbf-in).

8. Connect the green or bare copper ground wire to the GROUND terminal (A).

9. Connect the black wire from the light to either LINE/LOAD terminal (B).

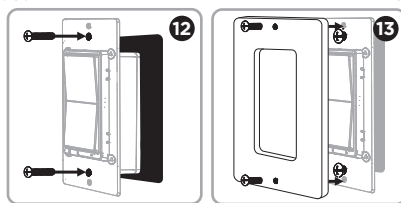
10. Connect the black wire from the electrical service panel (hot) to the other LINE/LOAD terminal (C).

11. Connect the white wire to the neutral terminal (E) (use a jumper wire if needed).



## 2. INSTALLATION (CONT.)

12. Insert dimmer into the switch box being careful not to pinch or crush wires.
13. Mount the wallplate.
14. Reapply power to the circuit at fuse box or circuit breaker and test the system.



### MANUAL CONTROL

The front panel rocker dimmer allows the user to turn ON/OFF the connected fixture.

1. To turn the connected fixture ON, press and release the top of the rocker.
2. To turn the connected fixture OFF, press and release the bottom of the rocker.

### ADJUST DIM LEVELS

1. To increase brightness, press and hold the top of the rocker.
2. To decrease brightness, press and hold the bottom of the rocker.

### CYCLE LED LIGHT

The LED below the dimmer acts as a guide light or status indicator.

How to cycle through options: Press up three times and down once quickly.

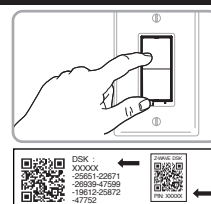
1. LED is ON when the load is OFF (guide light in the dark) (default).
2. LED is ON when the load is ON (indicates the dimmer is ON).
3. LED is always OFF.
4. LED is always ON (illuminates dimmer in the dark).

## 3. CONNECTION

### CONNECTING TO A Z-WAVE NETWORK

1. Follow the instructions for your Z-Wave certified controller to add a device to the Z-Wave network.
2. Once the controller is ready to add your device, press and release the top or bottom of the smart dimmer (rocker).

If prompted by the controller to enter the S2 security code, refer to the QR code/security number on the back of the box or the QR code label on the product.



## 3. CONNECTION (CONT.)

### REMOVING AND RESETING THE DEVICE

1. Follow the instructions for your Z-Wave certified controller to remove a device from the Z-Wave network.
2. Once the controller is ready to remove your device, press and release the top or bottom of the smart dimmer (rocker).

### RETURNING DIMMER TO FACTORY DEFAULTS

Quickly press ON (top) button three times, then, immediately press the OFF (bottom) button three times. The LED will flash ON/OFF five times when completed successfully.

**NOTE:** This should only be used in the event your network's primary controller is missing or otherwise inoperable.

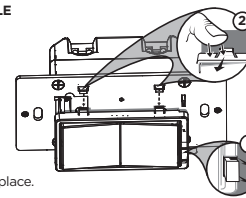
**NOTE:** SmartStart enabled products can be added into a Z-Wave network by scanning the QR code on the product with a controller providing SmartStart inclusion. No further action is required and the SmartStart product will be added automatically within 10 minutes of being switched on in the network vicinity.

## OPTIONAL CUSTOMIZATION

### CHANGING THE COLOR OF THE PADDLE

**NOTE:** Additional colors available on [www.byjasco.com](http://www.byjasco.com).

1. Lift the air gap tab at the base of the paddle.
2. Push side tabs in on one side and then the other to release paddle. Lift the cover up and off.
3. Simply put the new paddle onto the dimmer by inserting the air gap and side tabs and snapping securely into place.



This device supports Association Command Class (3 Groups)  
• Association Group 1 supports Lifeline, Multilevel Switch Report, Central Scene notification  
• Association Group 2 supports Basic Set and is controlled by pressing the ON or OFF button with the local load  
• Association Group 3 supports Basic Set and is controlled by double pressing the ON or OFF button  
• Each Association Group supports 5 total nodes

## WARRANTY

Jasco Products Company warrants this product to be free from manufacturing defects for five years from the original date of consumer purchase. This warranty is limited to the repair or replacement of this product only and does not extend to consequential or incidental damage to other products that may be used with this product. This warranty is in lieu of all other warranties, expressed or implied. Some states do not allow limitations on how long an implied warranty lasts or permit the exclusion or limitation of incidental or consequential damage, so the above limitations may not apply to you. This warranty gives you specific rights and you may also have other rights which vary from state to state. Please contact our U.S.-based Consumer Care at 1-800-654-8483 (option 1) between 7AM - 8PM, M-F, Central Time or [www.byjasco.com](http://www.byjasco.com) if the unit should prove defective within the warranty period.

## SPECIFICATIONS - IMPORTANT!

ZW3010  
Power: 120VAC, 60Hz  
Signal (frequency): 908.4/916MHz  
Maximum loads: 1-gang 600W, 2-gang 500W or 3-gang 400W incandescent, 300W dimmable CFL/LED  
Range: Up to 150ft. line of sight between the wireless controller and the closest Z-Wave receiver module  
Operating temperature range: 32-104° F (0-40° C)  
Type I enclosure, independently mounted (vertical position only), operating control: type I.c action, pollution degree (2), rated impulse voltage (2500V), software class A  
For indoor use only  
Specifications subject to change without notice due to continuing product improvement

## Z-WAVE INTEROPERABILITY

This product can be included and operated in any Z-Wave network with other Z-Wave certified devices from other manufacturers and/or other applications. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network.

## FCC/IC

This device complies with Part 15 of the FCC and Industry Canada license-exempt RSS standards. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**FCC NOTE:** The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Important note: To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.

Responsible Party - U.S. Contact Information  
FCC — UZZN3001 | IC: 65044-ZW3010  
Jasco Products Company | Model: ZW3010/39351  
10 E. Memorial Rd., Oklahoma City, OK 73114 | 1-800-654-8483  
CAN ICES-3(B)/NMB-3(B)

## WARNING

**RISK OF FIRE  
RISK OF ELECTRICAL SHOCK  
RISK OF BURNS  
CONTROLLING APPLIANCES  
CAUTION: TO REDUCE THE RISK OF OVERHEATING AND POSSIBLE DAMAGE TO OTHER EQUIPMENT, DO NOT INSTALL IN CLOSE PROXIMITY TO A RECEPTACLE, A MOTOR-OPERATED APPLIANCE, A FLUORESCENT LIGHTING FIXTURE OR TRANSFORMER-SUPPLIED APPLIANCE.**  
• ONLY USE TO CONTROL INCANDESCENT OR DIMMABLE CFL/LED BULBS  
• DO NOT EXCEED RATINGS  
• DO NOT USE TO CONTROL ANY DEVICE WHERE UNINTENDED OPERATION COULD CAUSE UNSAFE CONDITIONS (HEAT LAMP, SUN LAMP, ETC.)  
• FOR INDOOR USE ONLY

**NOT FOR USE WITH MEDICAL OR LIFE-SUPPORT EQUIPMENT**  
Z-Wave enabled devices should never be used to supply power to or control the ON/OFF status of medical and life-support equipment.

