EVA LOGIK®

3-Way Wi-Fi Smart Dimmer Switch

• WF31 •

Meet your new smart switch !
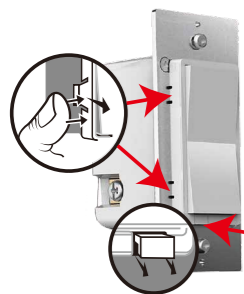
Switch x1

wallplate x1 wiring x1 screws x2

Power: 120V AC, 60Hz
Wireless Frequency: 2.4GHz
Wireless Standard: IEEE802.11b/g/n
Maximum Load: 150W LED, 500 W incandescent
Minimum Load: 5W for LED bulbs
Range: Up to 100 feet line of sight
For indoor use.

Contents

Part 1. Installation

CHANGING THE COLOR OF THE PADDLE(OPTIONAL)
This step is optional. Before you start you may want to change the color of the paddle to match your wallplate or decor.
1. Push side tabs in on one side and then the other to release paddle. Lift the cover up and off.
2. Simply put the new paddle onto the switch by side tabs and snap securely into place.Once this step has been completed please proceed to part 2 wiring.
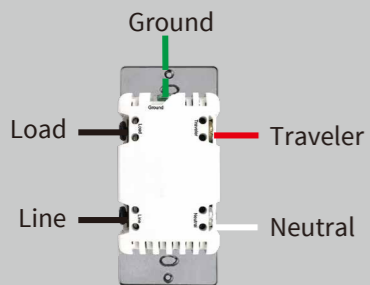
Air-Gap Switch:
The "air gap switch" will cut power to the device if it's pulled up. It's located right below the main switch itself, often next to the LED. Pull up for Bulb replacement, push down for normal use.

✄ A Few Quick Reminders
A quick note before we give out the wiring schematics. Please do not try installing this device if you are unsure of how electrical circuits operate within your home. As exciting as it is to have a smart switch installed, it can be dangerous and even life-threatening if you do not install this correctly. Please consult a qualified electrician if necessary. With that said, here are a few other warnings we'd like to point out for your safety:

Ground
Load
Line
Traveler
Neutral

━━ Line (hot) — black (connected to power)
━━ Neutral — white
━━ Load — black (connected to lighting)
━━ Traveler — red/other (only in 3-way installations)

HOW TO INSTALL THE WIRES

1. 2. 3. STRIP WIRE AT 3/8-1/2" 4.

1. Unscrew: carefully turn the screw counterclockwise to leave enough space for the wire to be inserted. Do not unscrew the screws completely.
2. Press down: Once loosened, use your finger so it catches the thread.
3. Insert the wire: make sure the wire is completely straight, then insert it into the terminal while holding down the screw. Do not wrap the wire around the screw!
4. Tighten: Turn the screw clockwise to tighten the wire. Make sure the wires are locked!
Note: There are 2 holes for each terminal can be used in the connection.You can use a jump wire or the second hole at the terminal to connect.

Note before installation
1) The Wi-Fi In-wall Smart Switch must not exceed **150W LED, 500W** incandescent.
2) The switch box required: 1-gang U.S. wall box. **3½ in** deep recommended, **2¼ in** deep minimum.（The switch is designed only for use with permanently installed fixtures.）
3) Work with **regular 3-way on/off** for 2 locations control. It can only be connected with regular 3-way on/off switch, **don't use a smart switch or a dimmer switch! Couldn't work with an add-on switch!**
4) The colors of your wires may not match the ones in our diagrams so please make sure you've **identified all wires correctly** based on their source, not color only.
5) Please check your original 3-way wiring circuit in your home before installation, and then **follow the wiring diagram option 1 or 2** in the manual.
6) Install the smart switch in the switch box which directly connects to the power **Line and Neutral.**
7) This switch **requires a Neutral for installation**, or the installation will not succeed.
8) Not recommended for fan.

If you have any questions, please contact us at ask@nie-tech.com

Part 2. Wiring Diagram

Single-pole wiring

Power

regular

OUT TO LIGHT

Load
Line
Neutral

From source

Ground
Load
Traveler
Line
Neutral

OUT TO LIGHT

Load
Line
Neutral

From source

1. **Tool:** Please prepare a flat head screwdriver.
2. **Turn power OFF at circuit breaker or fuse box.**
3. **Remove wallplate.**
4. **Remove the switch mounting screws.**
5. **Disconnect the wires and label them after remove the old switch.**(Please use our sticker)

Line | Load | Neutral | Ground | Traveler (Just for 3-way switch)

6. **Carefully remove the switch from the switch box.** (DO NOT disconnect the wires.)
7. **There are up to five screw terminals on the smart switch, these are marked** (Please check **<HOW TO INSTALL THE WIRES>**)
8. **Fix the wallplate with screws after wiring succeed.** (Please use our screws.)
9. **The Ground was excluded from the diagram to simplify the illustration.** Please Make sure all ground wires are connected to all switches respectively.

Line
Neutral

Line
Neutral
Smart Switch

⚠ IMPORTANT

1) **Neutral required**. If the box do not have a Neutral, please stop! Connect the **white wire to neutral terminal**(use a white jump wire form the package or the second hole at the terminal to connect.)

2) Insert the Line wire to Line terminal and Load wire to Load terminal. **LOAD and LINE Can't be swapped**, please make sure to identify them correctly!
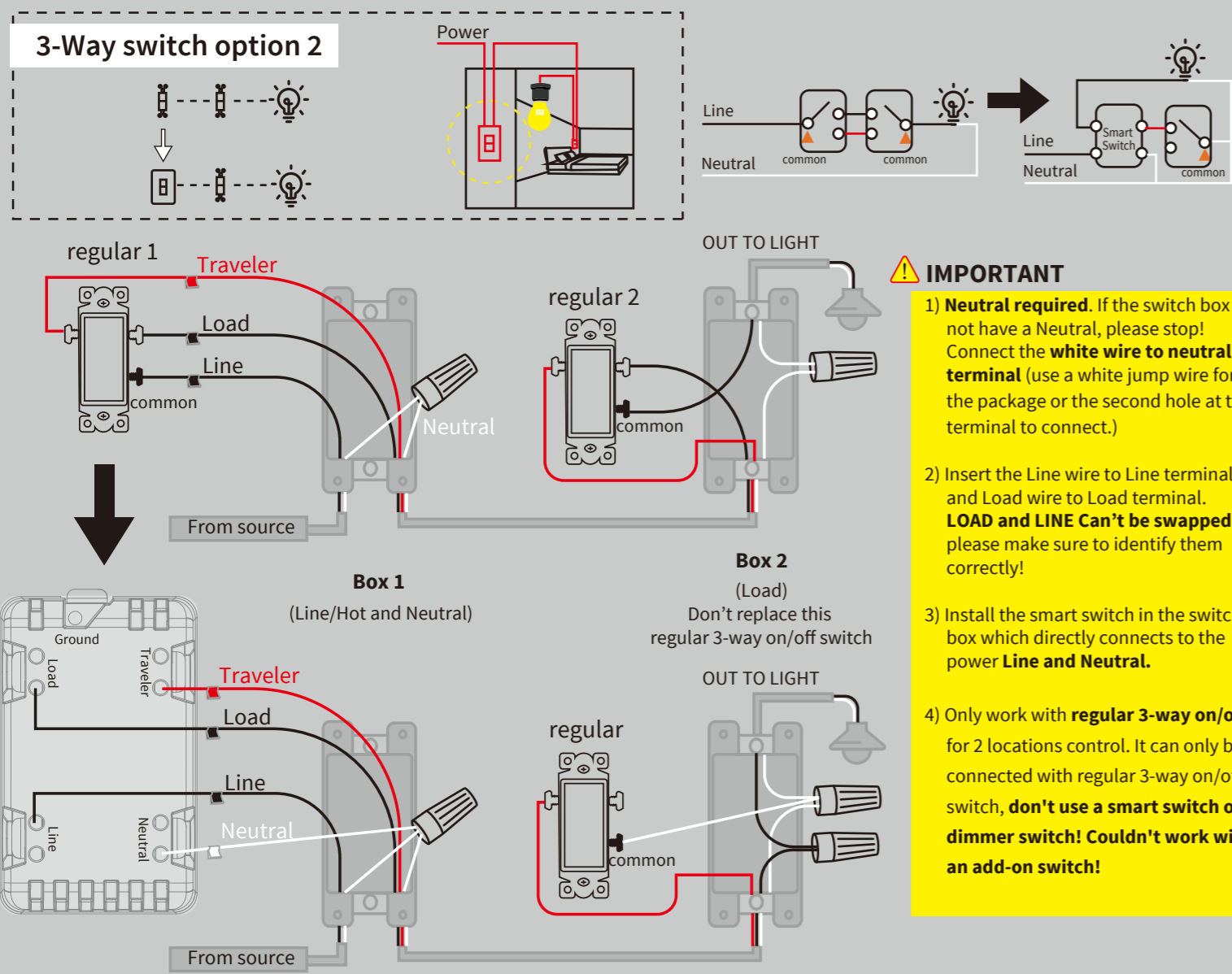
3-Way switch option 1

Power

Neutral
Line

common common

Line
Neutral
Smart Switch
common

regular 1

OUT TO LIGHT

common
Traveler
Load
Neutral
Line

From source

regular 2 (3-way switch)

common

Box 1
(Line/Hot Neutral and Light/Load)

Box 2
Don't change this regular 3-way on/off switch

Ground
Load
Traveler
Line
Neutral

Load

OUT TO LIGHT

Traveler

Neutral

Line

From source

regular (3-way switch)

common

None-connection

⚠ IMPORTANT

1) **Neutral required**. If the switch box do not have a Neutral, please stop! Connect the **white wire to neutral terminal** (use a white jump wire form the package or the second hole at the terminal to connect.)

2) Insert the Line wire to Line terminal and Load wire to Load terminal. **LOAD and LINE Can't be swapped**, please make sure to identify them correctly!

3) Install the smart switch in the switch box which directly connects to the power **Line, Load and Neutral.**

4) Only work with **regular 3-way on/off** for 2 locations control. It can only be connected with regular 3-way on/off switch, **don't use a smart switch or a dimmer switch! Couldn't work with an add-on switch!**

3-Way switch option 2

Power

Line
Neutral
common — common

→ Line / Neutral — Smart Switch — common

regular 1
Traveler
Load
Line
common
Neutral
From source

Box 1
(Line/Hot and Neutral)

regular 2
common
Neutral

Box 2
(Load)
Don't replace this
regular 3-way on/off switch

OUT TO LIGHT

Ground
Load
Traveler
Line
Neutral

Traveler
Load
Line
Neutral

regular
common

OUT TO LIGHT
From source

⚠ IMPORTANT

1) **Neutral required**. If the switch box do not have a Neutral, please stop! Connect the **white wire to neutral terminal** (use a white jump wire form the package or the second hole at the terminal to connect.)

2) Insert the Line wire to Line terminal and Load wire to Load terminal. **LOAD and LINE Can't be swapped**, please make sure to identify them correctly!

3) Install the smart switch in the switch box which directly connects to the power **Line and Neutral.**

4) Only work with **regular 3-way on/off** for 2 locations control. It can only be connected with regular 3-way on/off switch, **don't use a smart switch or a dimmer switch! Couldn't work with an add-on switch!**

Part 3. Manual Control

LED Indicator:
Red: Network failure
Blue: Normal Network configuration mode
Orange: Light status indicator
Purple: AP Network configuration mode

1) Tap 1(Up button): turn on the light (the last brightness level)
Press and hold (Up button): add brightness

2) Tap 1(Down button) : turn off the light
Press and hold ("down" button) : reduce brightness.

3) Adding your device to Wi-Fi network:
Please make sure the switch is on the "OFF" position.
Hold the "down" button more than 10s until the light bulb flashes and the blue LED blinks rapidly to inituate App-configured Mode.

4) If you need to reset the device (Factory setting)
Network reset
1.Turn off the light(when the light is on)
2.Hold the "down" button until the light bulb flashes (the blue LED blinks rapidly)

Minimum Brightness Value Setting
--- (indicator flashes 3 times after setting successfully)
1: Press the "down" button 5 times quickly, the orange LED breathing flash into the minimum brightness setting mode.
2: Press and hold the "up/down" button to adjust the brightness of the bulb, and select the appropriate brightness to set the minimum brightness.
3: After selecting, press the "down" button 5 times to confirm, the orange indicator flashes 3 times after confirmed.
4: After that, the brightness of the bulb will automatically be adjusted from the set min brightness to the max brightness, then from the max brightness to the min brightness, finally stays at the set min brightness.
5: The minimum brightness setting is completed.
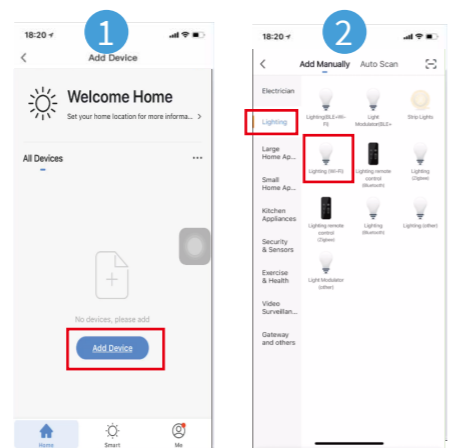
Maximum brightness value setting
--- (indicator flashes 3 times after setting successfully)
1: Press the "Up" button 5 times, the orange LED breathing flash into the maximum brightness setting mode.
2: Press and hold the "up or down" button to adjust the brightness of the bulb, and select the appropriate brightness to set the maximum brightness.
3: After selecting, press the "up" button 5 times to confirm, the orange indicator flashes 3 times after confirmed.
4: After that, the brightness of the bulb will automatically be adjusted from the set max brightness to the min brightness, then from the min brightness to the max brightness, finally stays at the set max brightness.
5: The maximum brightness setting is completed.
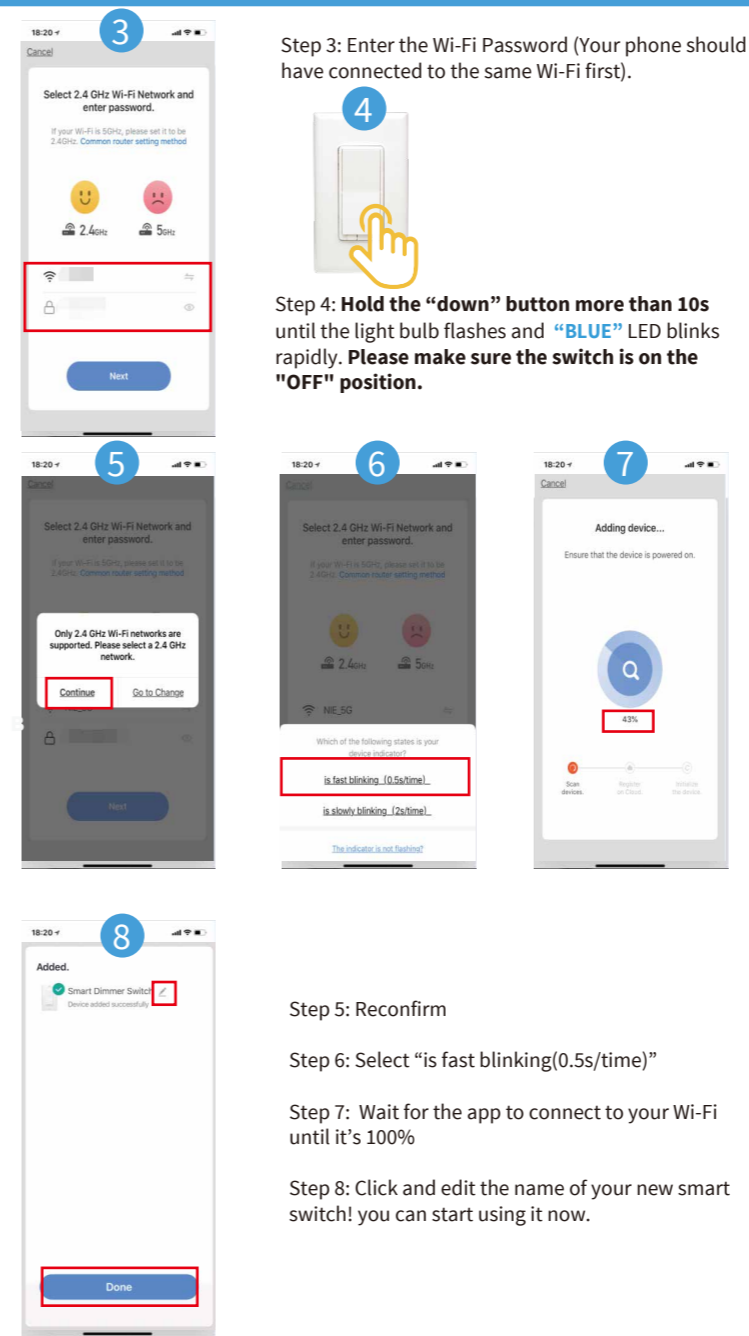
Part 4. APP Connection

Please Note:
• Make sure the device is connecting to your 2.4GHz network, and get the password of your network. Cannot connect without a password, set network password first.
• Make sure that the light is turned **" OFF"** before network configuration(in the case of 3-way installation, 2 switches must be in the **"off"** state).
• Please complete operation within 30s when **" BLUE"** LED indicator blinks rapidly.
• If you failed to connect with Wi-Fi network, please try to **operate several times more.** If you still can't connect, try **AP mode** (refer to the APP connection--AP mode part).

1. Please scan the QR code to download the application "**Smart Life**".
2. If you cannot download Smart Life app, please search "**Smart Life**" on Google Play (for Android phone) or Apple Store (for iOS phone) to download.
After you download the Smart Life App and register a new account, please follow the instructions below to set up your smart switch.

3. The smart switch can be also used with **Amazon Echo** and **Google Home**. Please scan the QR code below and follow the instructions if you have any trouble pairing with them.

QR code   Smart Life   Amazon-Echo   Google-Home

Step 1: Tap '+' to add a device in your app

Step 2:Select "Lighting "- "Lighting (Wi-Fi)"

Part 4. APP Connection

Step 3: Enter the Wi-Fi Password (Your phone should have connected to the same Wi-Fi first).

Step 4: **Hold the "down" button more than 10s** until the light bulb flashes and **"BLUE"** LED blinks rapidly. **Please make sure the switch is on the "OFF" position.**
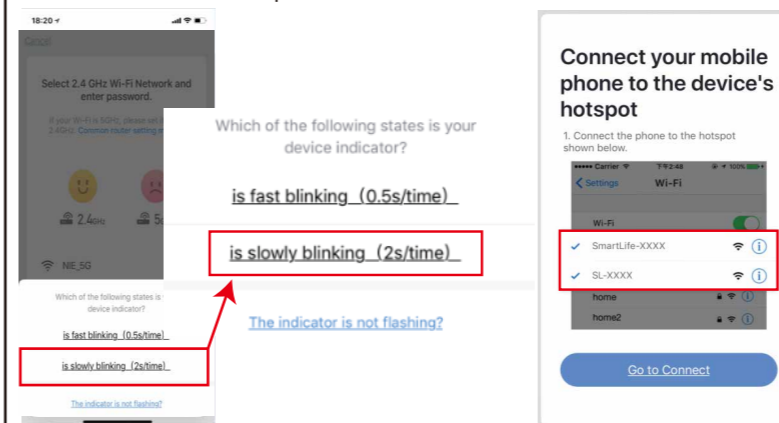

Step 5: Reconfirm

Step 6: Select "is fast blinking(0.5s/time)"

Step 7: Wait for the app to connect to your Wi-Fi until it's 100%

Step 8: Click and edit the name of your new smart switch! you can start using it now.

⚠ **If you cannot configure it by the default mode successfully, try to connect by AP mode.**
1) When **the blue LED indicator** flashes quickly, press and hold the down button for more than 5s until the bulb flashes twice to enter the AP mode, and **the purple LED indicator** flashes quickly.
2) Click on **"is slowly blinking(2s/time)"** in the upper right corner.
3) Click "Confirm light flashes."
4) Enter Wi-Fi network password.
5) Open wireless LAN settings with "**SmartLife-xxxx/ SL-xxxx**".
6) Back in the application, continue adding devices and wait for the connection to complete.

if you have any questions, Please contact us at ask@nie-tech.com

Part 5. Network Configuration

Hold the "down" button until the light bulb flashes (blue LED blinks rapidly). **Please make sure the switch is on the "OFF" position.**

• **Guidelines for switching between AP Network configuration mode and Normal Network configuration mode:**
— Normal Network configuration mode to AP Network configuration mode: When the **blue** LED indicator flashes quickly, press and hold the "down" button for more than 5s until the bulb flashes twice to enter the AP Network configuration mode, and the **purple** LED indicator flashes quickly.
— AP Network configuration mode to Normal Network configuration mode: When the **purple** LED indicator flashes quickly, press and hold the "down" button for more than 5s until the bulb flashes 1 time to enter normal mode, and the **blue** LED indicator flashes quickly.

Part 6. Parameter Settings

The LED indicator flashes 3 times after each parameter setting successfully.)
• **LED Indicator Status Setting** (This parameter can access you to choose the led indicator to be on when the switch (light) is on/off, or LED indicator remains on/off all times.)
Value=1 (default) LED is On when the switch (light) Off and LED is Off when the switch (light) On.
Value=2   LED is On when switch (light) On and LED is Off when the switch (light) Off.
Value=3   LED is always Off.
Value=4   LED is always On.
Operation: Quickly press "down" button 10 times.
Please note: the switching of each value is in order, a quick press ""down" button 10 times will switch once. eg: Switching from value1 to value 4 needs 3 switchings.

• **Restores State after Power Failure** (This parameter can access you to set the switch to be on/off after power failure.)
Value=1 (default) Memory state before power failure This switch will be return to state prior to the power failure after power is restored.
Value=2   The switch is off regardless of the state prior to power failure
Value=3   The switch is off regardless of the state prior to power failure.
Operation: Quickly press "up" button 10 times.
Please note: the switching of each value is in order, a quick press "up" button 10 times will switch once. eg: Switching from value1 to value 3 needs 2 switchings.

• **Light off State Setting** (This parameter can access you to set the light fade out or off immeditaly.)
Value=1 (default) Fade out
Value=2   Instantaneous off
Operation: Quickly press "up" button 8 times
Please note: the switching of each value is in order, a quick press "up" button 8 times will switch once. eg: Switching from value1 to value 2 needs 1 switching.

• **Button Function Setting** (This parameter can access you to set the "up" button to turn the light on/off.)
Value=1 (default) The "up" button turn the light on and "down" button turn lights off.
Value=2   The "up" button turn the light off and "down" button turn lights on.
Operation: Quickly press "down" button 8 times
Please note: the switching of each value is in order, a quick press "down" button 8 times will switch once. eg: Switching from value1 to value 2 needs 1 switching.

⚠ **CAUTION - PLEASE READ!** ⚠

This device (WF31) 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.

⚠ **WARNING - SHOCK HAZARD** ⚠

TURN OFF THE POWER to the circuit for the switch and lighting fixture at the service panel (circuit breaker) prior to installation.

ALL WIRING CONNECTIONS MUST BE MADE WITH THE POWER OFF to avoid personal injury and/or damage to the switch.

⚠ **OTHER WARNINGS** ⚠

Risk of Fire
Risk of Electrical Shock
Risk of Burns

V5.0