

# WR-3001W Wireless Input/Output Unit (WIO) Installation

**Caution: Excessive Force**

Improper installation or excessive force will damage the motherboard and modules being installed or removed.

**Caution: Static Sensitive Components**

Ensure AC and Battery power is disconnected before installing or removing any boards, modules, or cables.

Fire-Link 3 circuit boards contain static-sensitive components. Operators should always be grounded with a proper wrist strap before handling any boards to remove any static charges from the body. Use static suppressive packaging to protect electronic assemblies.

Installer and operators should use proper conduit and wire isolation to keep Power-Limited and other wiring at least 1/4 inches apart.

## Installing the WIO Unit

The Wireless Input/Output unit mounting plate is compatible with 3" by 2" single gang device boxes, 3-3/4" by 4" double gang boxes, 4" by 2" single gang utility boxes, standard 4" by 4" boxes, and standard 4" octagon boxes.

Tools needed: Hexnut driver, Precision or jeweler's screwdriver set, Philips screwdriver, Wire cutter, Wire stripper


## Installation Tips

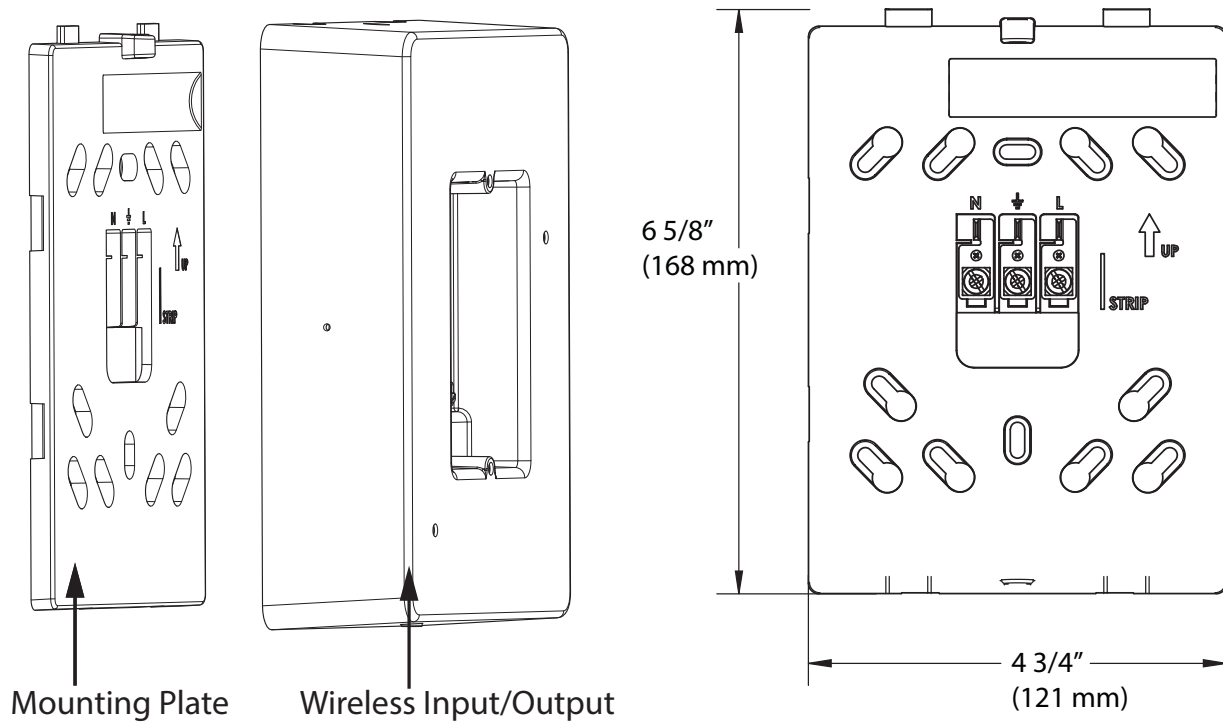
- Perform visual inspection of parts for obvious issues.
- Group the incoming wires through the top of the enclosure. Use a wire tie to group wires for easy identification and neatness.

## WR-3001W



**Parts and Dimensions**

Tamper Screw →   
remove with bit



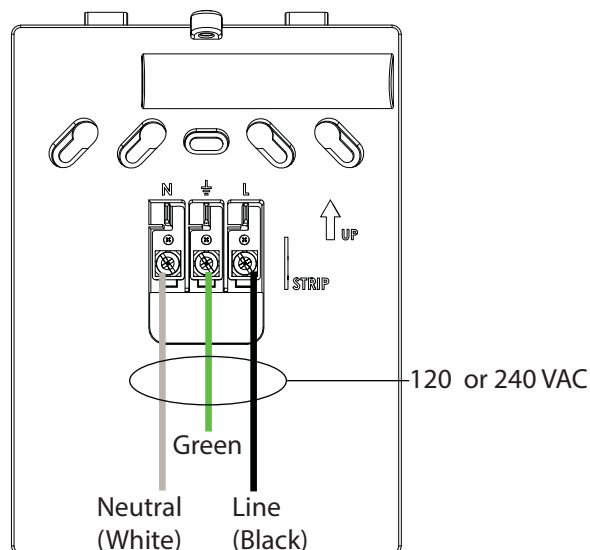
**Figure 1** Parts of the Wireless Input/Output unit

**Mounting the Wireless Input/Output unit**

The Wireless Input/Output unit may be mounted on the wall or ceiling.

**To connect the AC power**

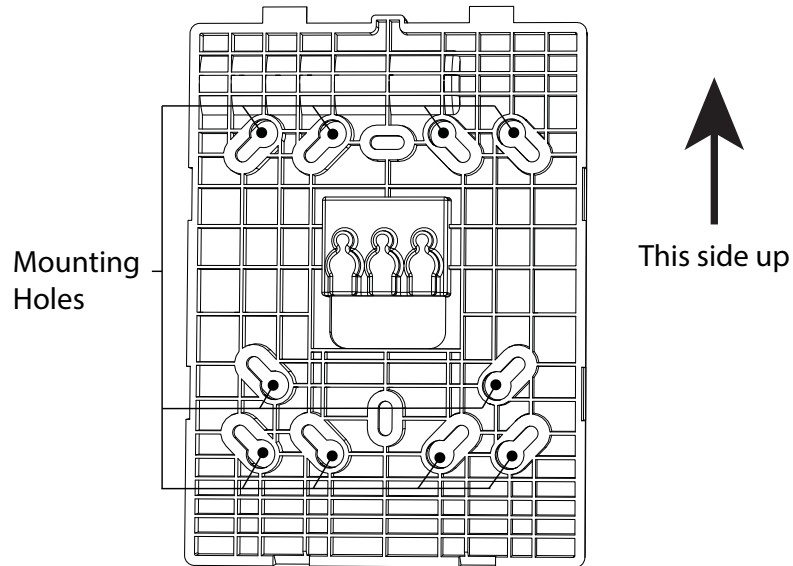
Wire the mounting plate to the standard 120 VAC or 240 VAC service with three wires.



**Figure 2** Mounting Plate (Front View)

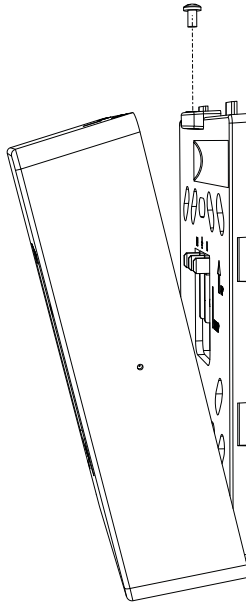
## To Mount the Mounting Plate

1. Mount the mounting plate with the arrow pointing up, see Figure 2.
2. Attach the mounting plate to the gang box with 2 or 4 screws.



**Figure 3 Mounting Plate (Back View)**

3. Snap the Wireless Input/Output unit onto the mounting plate and secure with the screw.

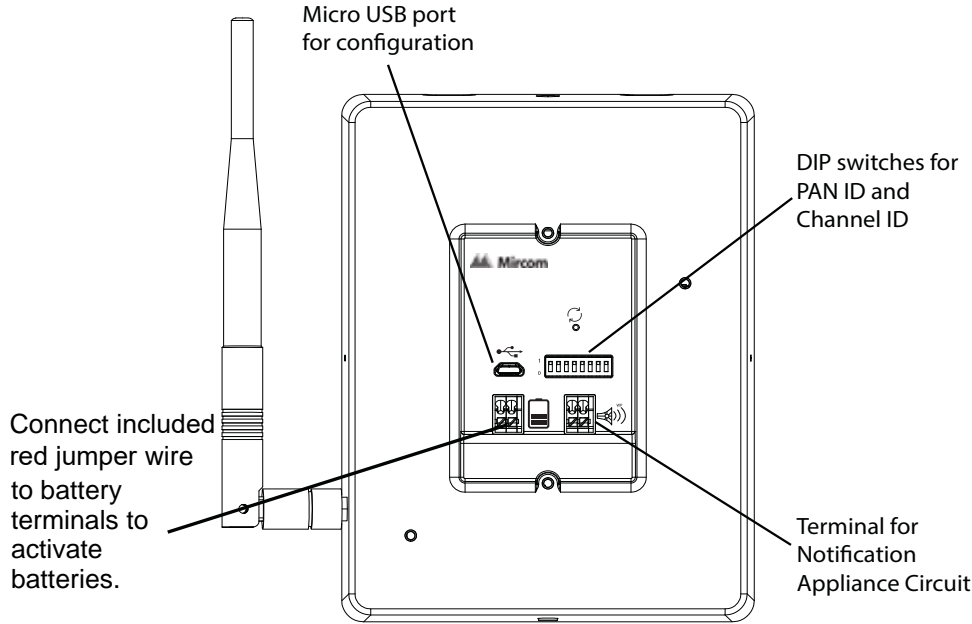


**Figure 4 Mounting the Wireless Input/Output unit on the Mounting Plate**

## DIP Switches

You must configure each Wireless Input/Output unit with both a PAN ID and channel ID.

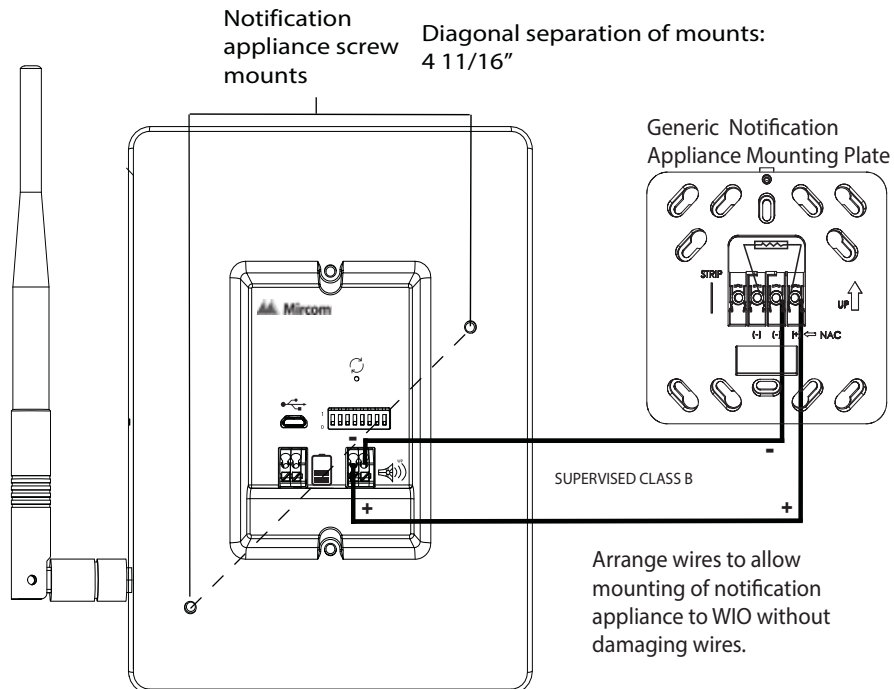
For all Wireless Input/Output units on the same floor or zone, set the channel ID and PAN ID to the same channel ID and PAN ID as the Zone Controller for that floor or zone. All devices in the same zone should have the same channel ID and PAN ID. Refer to LT-6210 Fire-Link 3 Manual for DIP switch settings.



**Figure 5 Location of Wireless Input/Output unit DIP Switches and Connections**

## Notification Appliance Wiring

Wire notification appliance as show in Figure 6, please refer to LT-6210 Fire-Link 3 Manual for complete instructions.



**Figure 6 Wiring the Notification Appliance Mounting Plate to WIO unit**