

# WiOn Outdoor Wi-Fi Smart Box

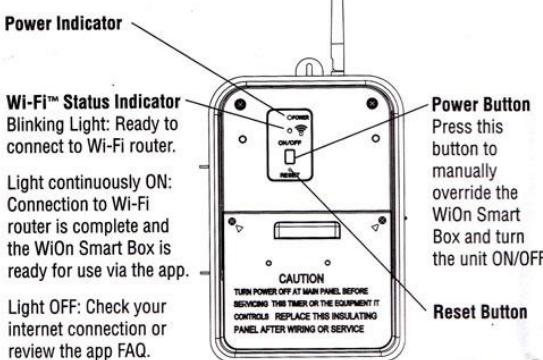
N.O. Contacts:  
 40A Resistive, 120-277VAC  
 1HP, 16A FLA, 96A LRA, 120VAC  
 2HP, 10A FLA, 60A LRA, 277VAC  
 30A Ballast, 120VAC  
 20A Ballast, 277VAC  
 15A Tungsten, 120VAC  
 30A Resistive, 28VDC

N.C. Contacts:  
 30A Resistive, 120-277VAC  
 1HP, 16A FLA, 96A LRA, 120VAC  
 2HP, 12A FLA, 72A LRA, 240VAC  
 2A Tungsten, 120VAC  
 10A Ballast, 120VAC  
 10A Ballast, 277VAC  
 20A Resistive, 28VDC

**CAUTION!** For outdoor use. For installation, rain-tight or wet location conduit hubs that comply with requirements of UL 514B Conduit, Tubing, and Cable Fittings must be used.

Note: Installation should be made by a licensed electrician. Turn power OFF at the circuit breaker before installation.

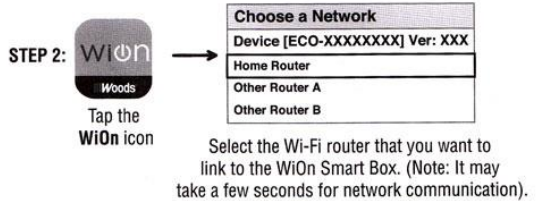
**READ ALL INSTRUCTIONS** before using the WiOn Smart Box.



**IMPORTANT:** Please refer to INSTALLATION INSTRUCTION SHEET before proceeding with Wi-Fi router connection. WiOn Smart Box must be installed before connecting to Wi-Fi router.

**TO CONNECT THE WiON SMART BOX TO A WI-FI ROUTER:** With the WiOn Smart Box installed, if the blue light is blinking you can proceed to the next step to begin the smart phone setup. If not blinking, you must reset the WiOn Smart Box as described in the FAQ section on the reverse side of this sheet. Note: the blue light will continue blinking until the setup is finished via the smartphone app. Make sure the controlled device(s) are switched ON. Once you are finished connecting the WiOn Smart Box to a Wi-Fi router, the blue light will remain on continuously to indicate that Wi-Fi connection has been established and the WiOn Smart Box is accessible via the app.

**DOWNLOAD THE WiON APP:** Download the WiOn app from the Apple App Store (iPhone) or Google Play (Android).



**TO ADD ADDITIONAL WiON SMART BOXES TO THE APP:** Repeat steps 1-3 for each additional WiOn Smart Box. Remember to give each box a different name (for example, Master Bedroom, Home Office, etc.). **Note: Each WiOn Smart Box can be wired to control one or two circuits.** To control more than two circuits, add additional WiOn Smart Boxes.

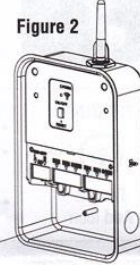
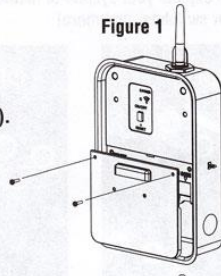
- More:** Learn more about this app, including an FAQ section.
- Usage:** Function is not available on this device.
- Settings:** To set your Wi-Fi Smart Box, transfer local Wi-Fi to cloud mode, or to rename the WiOn Smart Box.
- Timer:** To set ON/OFF programs (up to a maximum of 12 Custom ON/OFF events).
- Cloud Icon:** Activates remote access function of device through 3G, 4G, LTE, public Wi-Fi network, or other Wi-Fi router.
- Mailbox:** To email consumer service or share app feedback.
- Programmable Timer:** To set custom ON-OFF events.
- Countdown Timer:** The controlled device will turn off after selected time.
- Astronomic Timer:** The controlled device will turn on or off at sunset or sunrise.
- Vacation Random:** The controlled device will turn on or off randomly between one of three time frames (night, day, all day).
- Security Random:** The controlled device will turn on and off randomly between chosen start and end times.



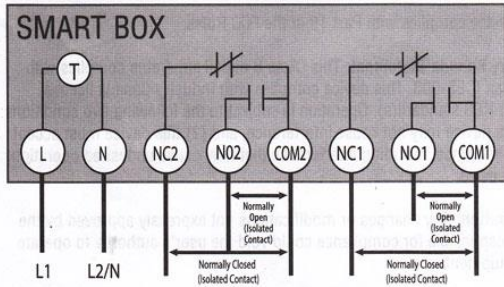
# Wion Outdoor Wi-Fi Smart Box INSTALLATION INSTRUCTIONS

**! IMPORTANT:** For outdoor use. Rain-tight or wet location conduit, hubs, tubing, and cable fittings that comply with requirements of UL 514B must be used for installation.

1. Read Important Safety Information below before beginning installation.
2. Open outer cover by releasing the spring latch.
3. Remove the interior protective cover by removing the two screws holding the cover in place (Figure 1).
4. Select the knockouts to be used. Remove the inner 1/2" knockout by inserting a screwdriver in the slot and carefully punching the knockout loose. Remove slug. If 3/4" knockout is required, also remove the outer ring with pliers after removing the 1/2" knockout. Smooth any rough edges with a file or sandpaper, if necessary.
5. Place the Smart Box in the desired mounting location and mark the location of the mounting keyhole. Install a screw at mark and drive partially in place. Attach Smart Box by placing keyhole over screw; then tighten screw firmly.
6. Wire in accordance with national and local codes (see wiring diagrams below). Use only copper conductors, #8 AWG wire, suitable for at least 175° F (80° C). Tighten all connections to 12in-lbf.
7. **Grounding:** Terminate all ground wires to grounding lug at the bottom of enclosure (Figure 2).
8. Replace interior protective cover.
9. Close outer cover. Smart Box is now ready to be connected to the WiFi router via the app.



## SMART BOX TERMINAL DESIGNATIONS



**! Important Safety Information**

**WARNING:** Risk of Fire or Electric Shock. Read instructions thoroughly before installation and preserve for future reference.

Disconnect power at circuit breaker and test that power is off before installing (or servicing) the Smart Box (more than one circuit breaker or disconnect switch may be required to fully disconnect power).

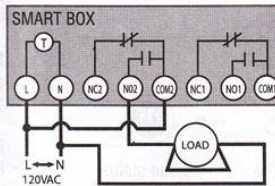
Wiring must be in accordance with all national and local electrical code requirements. Inspect all terminals and wires with voltage meter before touching. The maximum total load to be controlled must not exceed Smart Box capacity.

The Smart Box enclosure does not provide grounding between conduit connectors. When metallic conduit is used, you must also install grounding type bushings and jumper wires in accordance with National Electrical Code (NEC) requirements.

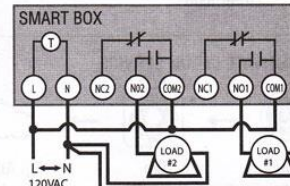
## SMART BOX TYPICAL APPLICATION WIRING DIAGRAMS

Note: Smart Box is capable of being configured for 120VAC, 208/240VAC, or 277VAC.

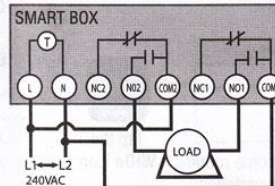
### 120VAC Application Controlling One 120VAC Load



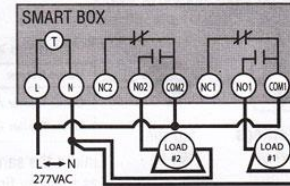
### 120VAC Application Controlling Two 120VAC Loads



### 208/240VAC Application Controlling One 208/240VAC (Dual Phase) Load



### 277VAC Application Controlling Two 277VAC Loads



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