

**HM-315U**  
Multi-way Wall Switch  
Operation Manual

Patent Pending

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## FEDERAL COMMUNICATIONS COMMISSION AND INDUSTRIAL CANADA

FCC ID: O3A-HM315U

IC : 10364A-HM315U

The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Industry Canada licence-exempt RSS standard(s) and Part 15 of the FCC Rules. 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.

### French

Le present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence et la partie 15 des Regles FCC. L'exploitation est autorisee aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with FCC and IC radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

### French

Cet appareil est conforme aux limites d' exposition au rayonnement RF stipulees par la FCC et l' IC pour une utilisation dans un environnement non controle. L'utilisateur final doit suivre les instructions de fonctionnement specifiques pour le respect d'exposition aux RF. Les emetteurs ne doivent pas etre placees pres d' autres antennes ou emetteurs ou fonctionner avec ceux-ci.

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 to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## Restore to factory setting

### **You may restore the switch to factory setting**

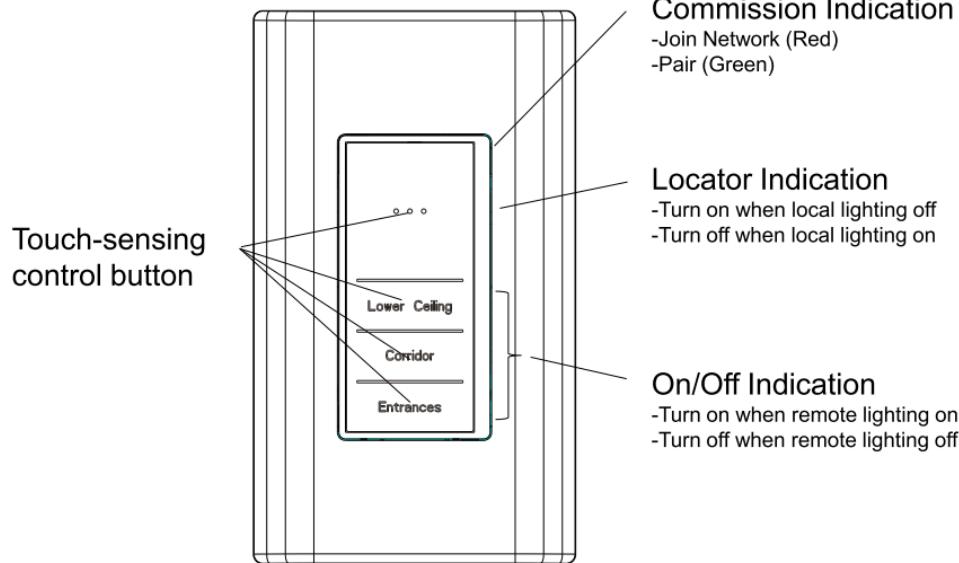
Caution!! Once you restored the switch to factory setting, all the network and pair record will be lost!!

1. Press and hold the Pair button, then press the Reset button momentarily.
2. The red LED will blink.
3. All the network and pair records are deleted, you are free to join this switch to any network now.

## Features

- Integrate Wired & Wireless technology advantages
- One hardwire local lighting control
- Three wireless remote lighting control
- Easy-to-install & Ready-to-use
- Up to hundreds feet control range by ZigBee® Technology
- Touch-sensing surface control
- Elegant super bright blue indicator

## LED Indicator



## Overwrite Remote Button

**You may overwrite the remote association to other switch**

1. Press Pair button on the switch momentarily, green LED starts blinking.
2. Press the remote button you want to overwrite, the blue LED starts blinking.
3. Press Pair button on the switch to be associated momentarily, the green LED starts blinking.
4. If pair succeeds, the blue LED on remote switch will slowly flash for 5 sec and then turn off for 5 sec; if it fails, the LEDs will keep blinking and then turn off after 1 min.

## Empty Remote Button

### **You may cancel the remote association manual at any time**

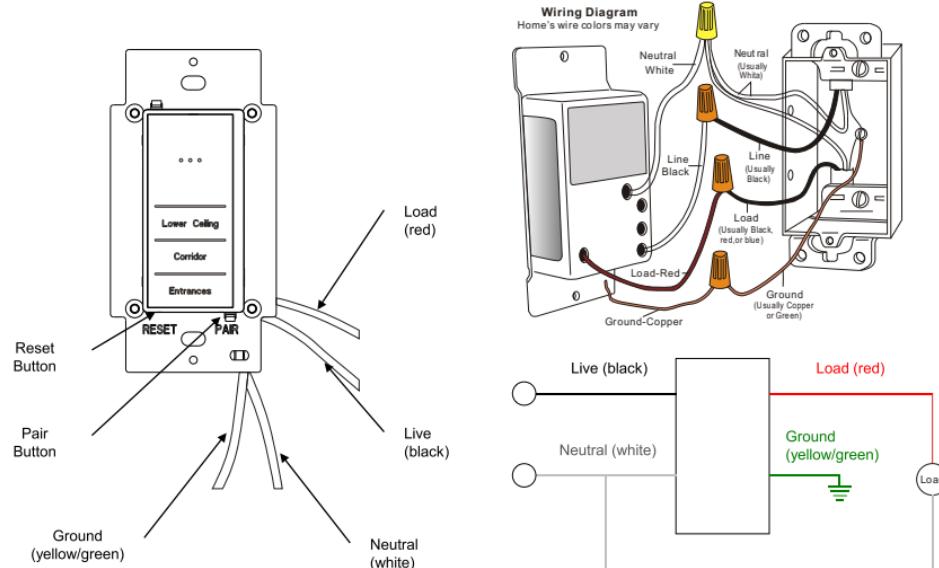
1. Press Pair button on the switch momentarily, green LED starts blinking.
2. Press the remote button you want to cancel association, the blue LED starts blinking.
3. Wait for the timeout and the association will be cancelled.

## Package Installation Instruction

### **Important Notes Prior to Installation!! Caution!!**

1. Installation should be performed only by a qualified electrician.
2. To install and use the switches in accordance with appropriate electrical codes and regulations.
3. All switches require a neutral connection wire.
4. Be sure that all power to the load has been disconnected by turning off the circuit breaker. Install the switches with power on may expose you to dangerous voltage and may danger the switches.
5. Install the switch marked with **Coordinator** (HM-315CU) first, and then other switches in the package.

# Package Installation Instruction



# Individual Switch Installation Instruction

## Guide for installing an individual switch

3. **Pair** (associate the control button to a selected switch)
  - 3.1 Press Pair button on the switch momentarily, green LED starts blinking.
  - 3.2 Press the remote button you want to associate, blue LED starts blinking.
  - 3.3 Press Pair button on those switch to be associated momentarily, the green LED starts blinking.
  - 3.4 If pair succeeds, the blue LED on remote switch will slowly flash for 5 sec and then turn off for 5 sec; if it fails, the LEDs will keep blinking and then turn off after 1 min. (You should redo 3.1 – 3.3 again)

# Individual Switch Installation Instruction

## Guide for installing an individual switch

1. Follow step 1-10 in the Package Installation Instruction section.
2. **Join Network** (let a new switch join the existing system)
  - 2.1 Press and hold (~5 sec) the Pair button on the installed “Coordinator” switch until the red LED starts flashing.
  - 2.2 Press and hold (~5 sec) the Pair button on the new switch until the red LED starts flashing.
  - 2.3 Wait for join network action approx. 10 – 30 sec (depends on distance apart). If join network succeeds, the red LED on the new switch will light up continuously for 10 sec; if it fails, the red LED will keep flashing and then turn off after 1 min. (You should redo 2.1 – 2.2 again)

# Package Installation Instruction

## Guide for installing the Ready-to-Use Package

1. Shut off power to the circuit at fuse box or circuit breaker.
2. (If the switch is for replacement) Remove the faceplate from the existing switch, then unscrew the switch and pull it out from the switch box.
3. Disconnect the wires from the switch.
4. There are four wires (Live-black, Neutral-white, Load-red, Ground-yellow/green) from the back of the switch. Match these wires to the wires existing in the switch box.

Note: Mechanical switches may not utilize Neutral, but they are usually available in the back of the switch box.

# Package Installation Instruction

## Guide for installing the Ready-to-Use Package

5. Connect the wires to the Multi-way Wall Switch "1" according to the wiring schematic diagram and ensure that all wire connectors are firmly attached and there is no exposed copper except for the ground wire.
6. Insert the switch into the switch box being careful not to pinch or crash wires.
7. Secure the switch to the box using the supplied screws.
8. Reapply power to the circuit at the fuse box or circuit breaker, and test the system.
9. Check the on/off function of the lighting device(s) by touching the local light touch-sensing control button.

# Package Installation Instruction

## Guide for installing the Ready-to-Use Package

10. Peel off the protective layer on the touch panel and put the new faceplate on.
11. Stick the "Coordinator" marking label (included) onto the "1" switch.
12. Repeat Step 1-10 for other Multi-way Wall Switch "2-4".
13. After completed installation, you may control the switches mutually by the three remote buttons.
14. Select and stick the location labels (included) onto the remote buttons.