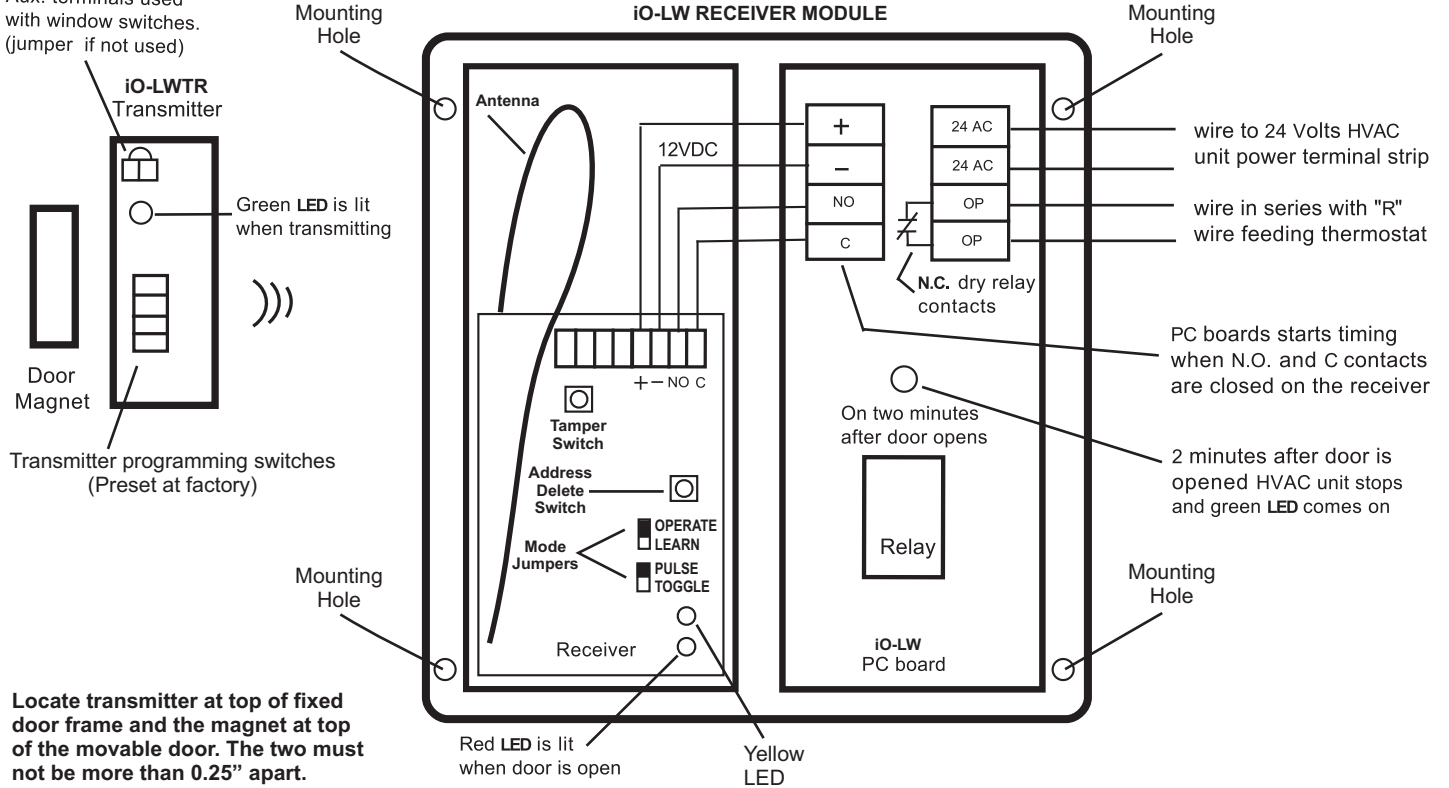


# iO-LW Wireless Lodge Watch Installation Sheet

**NOTE:**

Aux. terminals used with window switches. (jumper if not used)



## SEQUENCE OF OPERATION:

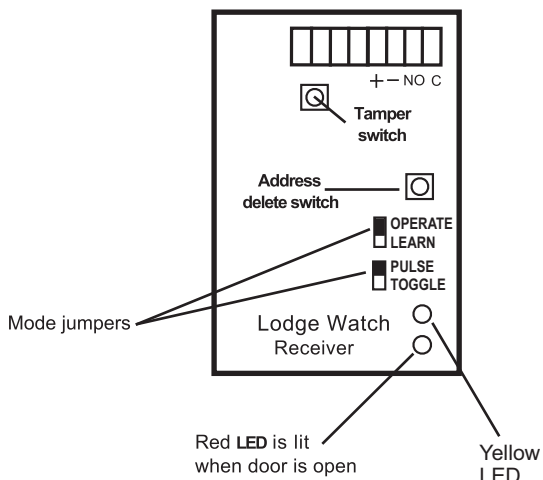
The iO-LW is a wireless monitoring and control system designed to reduce energy waste in vacation properties. This is achieved by turning off the HVAC equipment when the doors or windows are left open for more than two minutes. When a door or window is opened a magnet separates from its transmitter mounted on the door or window frame. The separation triggers a reed switch located inside the transmitter. The transmitter then sends a signal to the receiver module opening the normally closed "OP" contacts and shutting off the HVAC equipment.

## SPECIFICATIONS:

|   |                             |
|---|-----------------------------|
| iO-LWTR UHF transmitter:  | 315 MHz                     |
| System module input voltage:  | 24 VAC                      |
| System module amps:   | 0.12 AMPS                   |
| Operating temperature:  | 32°F to 120°F               |
| System module dimensions:   | 5" x 6" x 1.25" (h x w x d) |
| Approximate battery life:   | 3 YEARS                     |
| Maximum number of units at a single location:                           | 1000                        |
| Maximum number of transmitters that can be used with a single receiver: | 10                          |
| Maximum transmission distance:  | 200'                        |

# iO-LW Wireless Lodge Watch Installation Sheet

## ASSIGNING WIRELESS TRANSMITTERS TO iO-LW RECEIVER



1. A single iO-LW receiver can accept as many as 10 transmitter IDs. A single transmission signal is required to enroll a transmitter's ID into memory.
2. It is recommended that transmitter assignment be conducted on a work bench so that each transmitter is near the receiver for easy observation of the receiver indicator LEDs.
3. Remove the iO-LW receiver cover and place the OPERATE/LEARN jumper in the LEARN position.
4. Remove the battery in each transmitter that will be assigned to the receiver.
5. Use a 24VAC transformer and wire it to the 24VAC terminals on the iO-LW receiver. The Yellow LED will start flashing at a constant rate when power is supplied.
6. Press the TAMPER SWITCH one time. The Yellow LED will flash once, pause, flash once, pause, etc. This is memory location 1.
7. The Red LED should flash continuously confirming the location is free. If the Red LED lights steadily, press the ADDRESS DELETE SWITCH until the Red LED flashes.
8. Place the battery in the first transmitter. When the Red LED lights steadily, the transmitter ID for location 1 has been accepted by the receiver.
9. Press the TAMPER SWITCH two times. The Yellow LED will flash twice, pause, flash twice, pause, etc. This is memory location 2.
10. The Red LED should flash continuously confirming the location is free. If the Red LED lights steadily, press the ADDRESS DELETE SWITCH until the Red LED flashes and then install the battery in the next transmitter.
11. When the Red LED lights steadily, the transmitter ID for location 2 has been accepted by the receiver.
12. Repeat the above steps for each transmitter being assigned to the receiver.
13. When all transmitters have been assigned, place the OPERATE/LEARN jumper back to the OPERATE mode. When changing the jumper position, make sure that you do not touch the ADDRESS DELETE SWITCH that is located close to the jumper.

## INSTALLATION

1. The iO-LW receiver should be mounted on a non-metallic, vertical surface close to the HVAC indoor unit.
2. Avoid installing the receiver near large metallic objects such as circuit breaker boxes, duct work or fine mesh window screens.
3. Do not locate the receiver near dense electrical wiring.
4. Remove the receiver cover. Hold the base against the mounting surface and mark the mounting hole locations.
5. Drill the mounting holes and insert wall anchors, if necessary.
6. Attach the base to the mounting surface with appropriate screws.
7. Pull 18-gauge thermostat wire through the wire access hole and wire the receiver as illustrated. **Make sure that 24 Volt power is disrupted when wiring.**
8. Once wiring is completed, replace cover.

