

# RCI 912-WBT Series

## WIRELESS BATTERY POWERED TOUCHLESS SWITCH



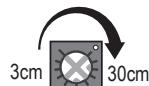
### OVERVIEW

- Infrared motion detection technology
- Non-contact activation with hands or reflective objects is clean and hygienic
- The detection distance is adjustable from 1-12" (3-30cm)
- High sensitivity infrared, quick response
- 2.4GHz wireless transmission adopts wireless transmitter/receiver
- Low power consumption sensor provides long battery life
- Receiver 3 Amp @ 30 VDC output can be used with automatic door and access control
- After receiving the signal, the door opening signal is output for 1.5 seconds
- Receiver voltage input 12~30 VDC

SPECIFICATION	912-WBT, 912-WBT-HC	912N-WBT, 912N-WBT-HC	912GL-WBT, 912GL-WBT-HC
Power Input	6 VDC (4 AA batteries)	3 VDC (2 AA batteries)	3 VDC (2 AAA batteries)
Static Current	≤ 80uA	≤ 80uA	≤ 80uA
Battery Life	500 actuations/day ~ 450 Days	200 actuations/day ~ 250 days	200 actuations/day ~ 220 Days
Emmission Current	10mA	10mA	10mA
Infrared Modulation Frequency	38KHz	38KHz	38KHz
Infrared Scanning Interval	100ms	100ms	100ms
Response time	≤ 130ms	≤ 130ms	≤ 130ms
Transmitter Range	>30M (100') in clear line of sight	>30M (100') in clear line of sight	>30M (100') in clear line of sight
Working Temperature*	-42°C ~ 45°C (-43°F ~ 113°F)	-42°C ~ 45°C (-43°F ~ 113°F)	-42°C ~ 45°C (-43°F ~ 113°F)
Working Humidity	10 ~ 90% RH	10 ~ 90% RH	10 ~ 90% RH
Size	129mm L x 129mm W x 46mm H (5.0" L x 5.0" W x 1.8" H)	121mm L x 51mm W x 46mm H (4.8" L x 2.0" W x 1.8" H)	86mm L x 86mm W x 15mm H (3.4" L x 3.4" W x 0.6" H)
Certifications	FCC, ISED	FCC, ISED	FCC, ISED

\* Intended for indoor use only

### SENSING DISTANCE ADJUSTMENT



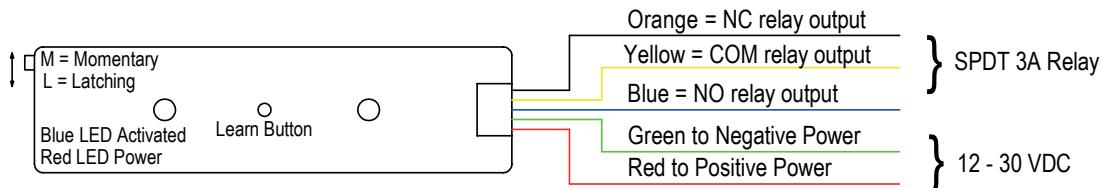
The clockwise direction will increase sensing distance.

The counterclockwise direction will decrease sensing distance.

SPECIFICATION		RECEIVER model 912-R
Power Input	12 ~ 30 VDC	
Static Current	30 mA	
Activated Current	74 mA @ 12 VDC	
Contact Rating	3A @ 30 VDC SPDT	
Size	110mm L x 30mm W x 15mm H (4.3" L x 1.2" W x 0.6" H)	



## RECEIVER I/O DIAGRAM



## PAIRING & RESET

### Transmitter/Receiver Pairing:

1. Press Learn Button for 1 second. LED will change from green to red, indicating learn mode.
2. Activate Transmitter Button Red, Blue. LED will flash alternately, indicating units are paired.
3. Select momentary or latching for activation action.

**Note:** Follow steps 1 & 2 for additional units.

### Reset receiver:

1. Press and hold Learn Button for 5 seconds. Will delete memory.

**Note:** As this device uses wireless transmitter and receiver technology, location of these devices is critical to optimal operation. Locating the receiver in close proximity to other electrical devices and connections may cause erratic behavior. Should this happen, relocate the receiver.

## REGULATORY STATEMENTS

### FCC statement:

This device complies with 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.

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

**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.

### ISED statement:

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.