



GO WIRELESS

READY STEADY GO

## IRW

Wireless motion detector

*IRW is a high quality IR motion detector in the Regin Go Wireless-concept. The detector maintains a stable and highly sensitive level of detection regardless of changes in the environment. It has a communication range of up to 300 meters in open space.*

- ✓ Long battery life
- ✓ Fast signal transmission
- ✓ For surface or corner mounting
- ✓ Stable and sensitive detection with a wide detection range
- ✓ Easy to install

### Function

IRW detects motion within an area and sends signals to a receiver to activate for example ventilation or heating. It is designed to work with the Regin product RCW-M, a wireless receiver with Modbus communication.

The detector delivers high speed signal transmission and is designed to effectively reduce signal collisions.

It has superior white light, noise and radio interference rejection.

The detection is stable and highly sensitive regardless of changes in the environment since it is controlled using advanced Adaptive Digital Signal Processing (ADSP) algorithms.

The detector works as a two-way radio signal transmitter and will send signals to the receiver until it gets acknowledgement that the signal is received.

There are randomized supervision signals for system integrity checks and troubleshooting.

### Appearance

The detector comes in a white housing and has a tamper-proof design. It is insect- and dirt-proof.

There is a clearly visible LED indicator that indicates movement detection, connection status and low battery.

### Installation

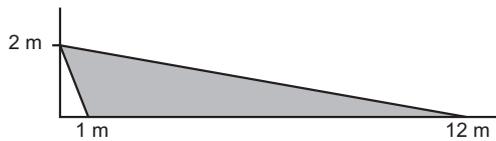
The detector can be mounted in a corner or on a flat surface. It is easy to install and move which makes it very flexible.

It comes with a pre-installed Lithium battery for easy startup.

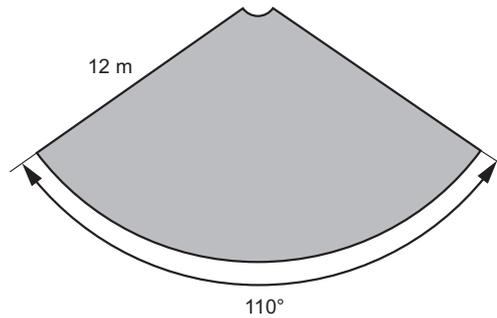
For optimal detection range, the detector should be mounted at a height of 2 meters above the ground.

## Detection area

Side view



Top view



## Technical data

<b>Battery</b>	LI CR123A 3V 1500mAh x1 (pre-installed)
<b>Battery life</b>	6 years *
<b>Detection range</b>	12 m over 110° angle (2 m mounting height)
<b>Communication range</b>	Up to 300 m (open space)
<b>Frequency</b>	868 MHz
<b>Operating temperature</b>	-10...+50°C
<b>Operating humidity</b>	Max. 85 % RH (non-condensing)
<b>Protection class</b>	IP20
<b>Dimensions</b>	94 mm x 64 mm x 42 mm

\* Battery life is calculated at an average of 20 activations per day

## CE

**Low Voltage Directive (LVD) standards:** This product conforms to the requirements of the European Low Voltage Directive (LVD) 2014/35/EU through product standards EN 60950-1, +A11, +A1, +A12, and +A2

**EMC emissions & immunity standards:** This product conforms to the requirements of the EMC Directive 2014/30/EU through product standards EN 50130-4, EN 61000-4-2, EN 61000-4-3 and, +A2

### Efficient use of the radio frequency spectrum, Article 3.2 of 1999/5/EG

This product conforms to the requirements of the Efficient use of the radio frequency spectrum through the following standards: EN 301489-1: V1.9.2, EN 301489-3: V1.6.1, EN 300220-2: V2.4.1, EN 300220-1: V2.4.1

### RF & Human exposure

EN 62479

**RoHS:** This product conforms to the Directive 2011/65/EU of the European Parliament and of the Council through product standard EN 50581:2012

## Dimensions



## Product documentation

Document	Type
Instruction IRW	Instruction for installation of IRW
Insruction RCW-M	Instruction for installation of the Modbus receiver RCW-M

The product documentation can be downloaded from [www.regincontrols.com](http://www.regincontrols.com).