



GO WIRELESS

READY STEADY GO

IRCW

Wireless IR detector for ceiling mounting

IRCW is a high quality ceiling mounted motion detector within 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.

- ✓ 360° detection
- ✓ Covers an area up to 8 meters in diameter
- ✓ Discreet housing
- ✓ Easy to install

Function

IRCW 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 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 has a 360° detection range, and when mounted on a ceiling the detection area diameter can be up to 8 meters.

The detector will send a signal to the receiver every 30-50 minutes to self test in normal operation mode.

Appearance

The detector comes in a discreet housing and has a tamper-proof design.

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

Installation

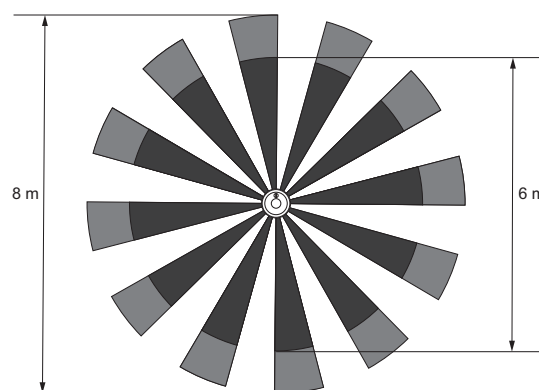
The detector is designed for ceiling mounting and is easy to install with a twist-on cover.

For a detection range of 8 meters in diameter, the detector should be mounted at a height of 4 meters.

At a mounting height at 2.7 meters, the detection range is 6 meters.

The detector uses one CR123A 3 V Lithium battery.

Detection area



Technical data

Battery	CR123A 3V lithium battery x 1
Battery life	6 years*
Frequency	868 MHz
Radio frequency range	Over 300 meters in unobstructed space
Operating temperature	-10°...+45°C
Operating humidity	Max. 85 % non-condensing
Protection class	IP20
Dimensions	Ø 106 mm x 30.3 mm
Mounting height	2.7 ...4 m
Detection range	Ø 6...8 m

* 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

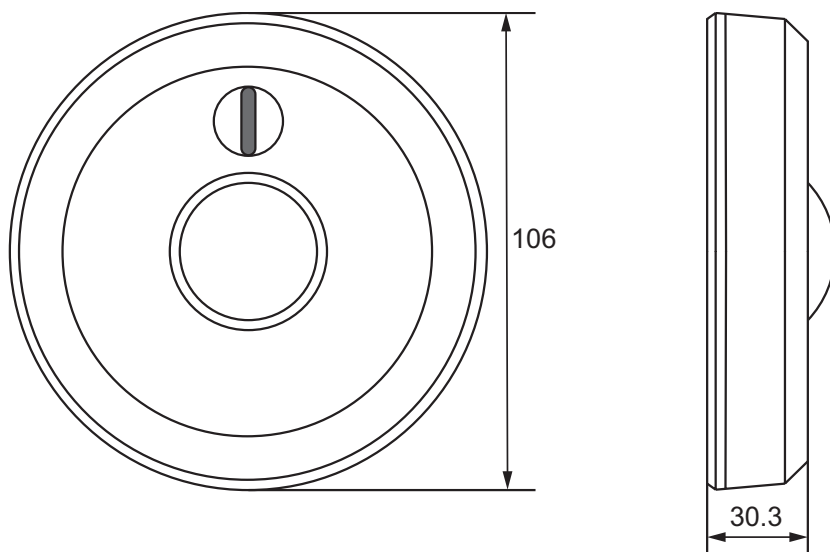
EMC emissions & immunity standards: This product conforms to the requirements of the EMC Directive 2014/30/EU through product standards EN 50130-4, EN 61000-4-2, EN 61000-4-3 and +A2

Efficient use of the radio frequency spectrum: This product conforms to the requirements of the Efficient use of the radio frequency spectrum, Article 3.2 of 1999/5/EG 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



Measurements in mm.

Product documentation

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

The product documentation can be downloaded from www.regincontrols.com.