GO WIRELESS READY STEADY GO

RCW-M

Wireless receiver with Modbus communication

RCW-M is a receiver used within the Regin Go Wireless concept. The Modbus receiver can pair with up to 16 digital or analogue sensors. It monitors the sensors and reports the information to the user via Modbus communication.

- ✓ Handles up to 16 digital or analogue devices
- ✓ Extensive communication range
- ✓ Modbus communication
- ✓ High reliability
- ✓ Easy to install

The Go Wireless concept

Regin's Go Wireless concept uses radio frequency communication with a communication range of up to 2 km (free line of sight). The extensive range and sensitive and precise reception of signals makes the Go Wireless concept highly flexible.

The signal transmission is encrypted for security reasons, and is fast, stable and reliable.

The efficient signal transmission increases the battery life of the products which makes the maintenance costs low.

Function

RCW-M is used to monitor signals from up to 16 wireless sensors and detectors and communicates with a controller via Modbus. The receiver is easily configured using DIP-switches, whereas the sensor and detector settings can be changed via the controller.

Four sensors or detectors can be easily paired manually to the receiver via a test button on the sensor/detector. Additional sensors can be paired using the Modbus connection.

Appearance

The receiver comes in a discreet housing. Under the cover there are LED indicators that light up when the receiver is connected to power, Modbus, and to the manually paired sensors.

Installation

The receiver is easy and fast to install. It can be mounted on any flat surface. If it is installed in a humid environment, vertical mounting is recommended to allow moisture to escape.

The receiver uses 24V AC/DC.

There is a RS485 terminal for connection to a controller.

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Technical data

Supply voltage	24 V AC/DC ±15% (Adapter)
Frequency	868 MHz
Operating temperature	-10...+50°C
Operating humidity	Max. 85 % RH
Protection class	IP54

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

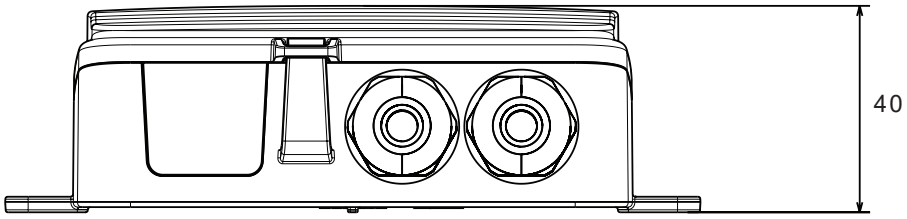
RF & Human exposure
EN 62479

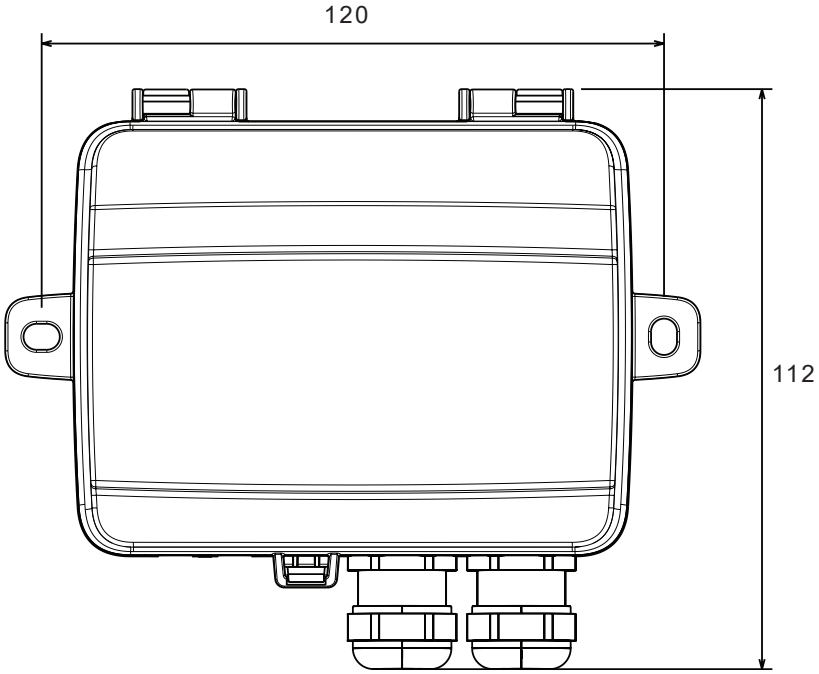
RoHS: This product conforms to the Directive 2011/65/EU of the European Parliament and of the Council through product standard EN 50581:2012

Accessories

Article	Description
DCW	Wireless door contact
EPRW	Wireless optical pulse reader
IRCW	Wireless IR detector for ceiling mounting
IRW	Wireless IR detector
TG-R5W	Wireless room temperature sensor
TG-R6W	Wireless outdoor temperature sensor

Dimensions





Measurements in mm.

Product documentation

Document	Description
Instruction RCW-M	Instruction for installation of the Modbus receiver RCW-M
Instruction DCW	Instruction for installation of wireless door contact
Instruction EPRW	Instruction for installation of wireless optical pulse reader
Instruction IRCW	Instruction for installation of wireless IR detector for ceiling mounting
Instruction IRW	Instruction for installation of wireless IR detector
Instruction TG-R5W	Instruction for installation of wireless room temperature sensor
Instruction TG-R6W	Instruction for installation of wireless outdoor temperature sensor
Variable list, RCW-M wireless receiver	Modbus variables

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