MR32W

Wireless receiver with Modbus communication

The Modbus receiver can pair with up to 32 wireless sensors and detectors. It monitors the sensors and reports the information to the user via Modbus communication.

- Handles up to 32 wireless sensors and detectors
- Extensive communication range
- Modbus communication
- High reliability
- Easy to install

Application

MR32W 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 it 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

The receiver is used to monitor signals from up to 32 wireless sensors and detectors and communicates with a controller via Modbus. The receiver is easily configured either with its menu system or via Modbus. Sensor and detector settings can also be changed via Modbus in the connected receiver.

Sensors or detectors can easily be paired manually to the receiver via a test button on the sensor/detector. They can also be paired using suitable Modbus variables.

Installation

The receiver comes in a discreet housing. It is easy and fast to install and 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.

Both the display used for the menu system and the communication terminal are located under the lid.

MAIN OFFICE BRESSANONE

I-39042 Bressanone (BZ)   tel: +39 0472 830626
via Julius-Durst-Str. 50   fax: +39 0472 831840
VAT No. IT02748450216   www.industrietechnik.it

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Technical data

Supply voltage	24 V AC/DC (21…27 V AC/DC)
Frequency	868 MHz
Protection class	IP54
Ambient temperature	-10…+50 °C
Ambient humidity	Max. 85 % RH, non-condensing
Weight (incl. packaging)	0.17 kg
Dimensions, external (WxHxD)	120 x 112 x 40 mm

Internal serial port, type	RS485, isolated
Internal serial port, built-in protocol	Modbus
Internal serial port, comm. speed	1200 / 2400 / 9600 (default) / 19200 / 38400 / 57600 bps
Internal serial port, parity	None (default) / even / odd
Internal serial port, stop bit	1 stop bit (default) / 2 stop bit

C E

This product carries the CE-mark. More information is available at www.Industrietechnik.it.
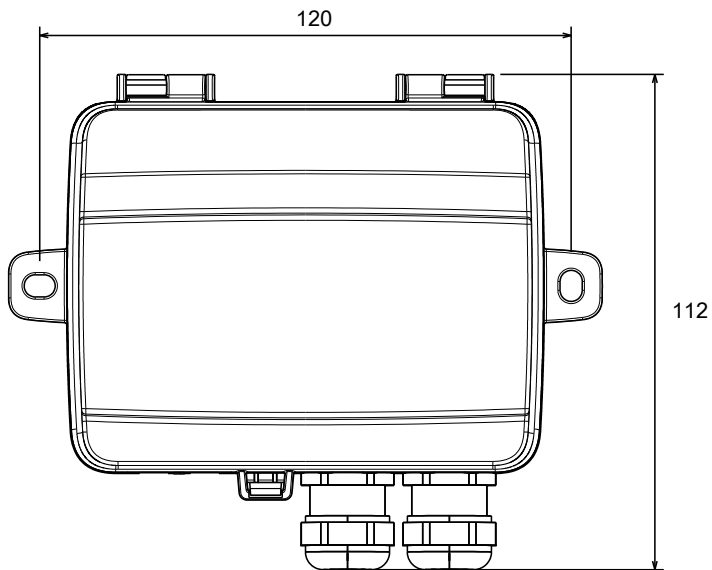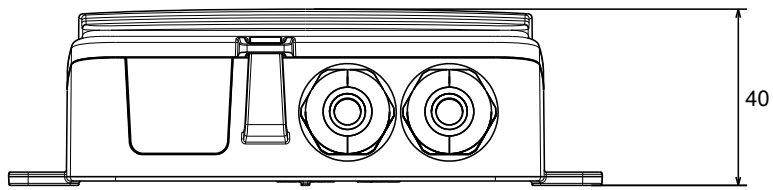
Material

Material, housing	Polycarbonate (PC)
Material, base	Polycarbonate (PC)

Accessories

Article	Description
SEW	Wireless outdoor temperature sensor
SEW-PT1000	Wireless outdoor temperature sensor with an input for external PT1000 sensor
SAW	Wireless room temperature sensor
SAUW	Wireless room temperature and humidity sensor
SIR-SW	Wireless ceiling mounted IR motion detector
SIR-PW	Wireless motion detector
CFW	Wireless digital input / door contact

Dimensions

40

120

112

[mm]

Documentation

All documentation can be downloaded from www.Industrietechnik.it.

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