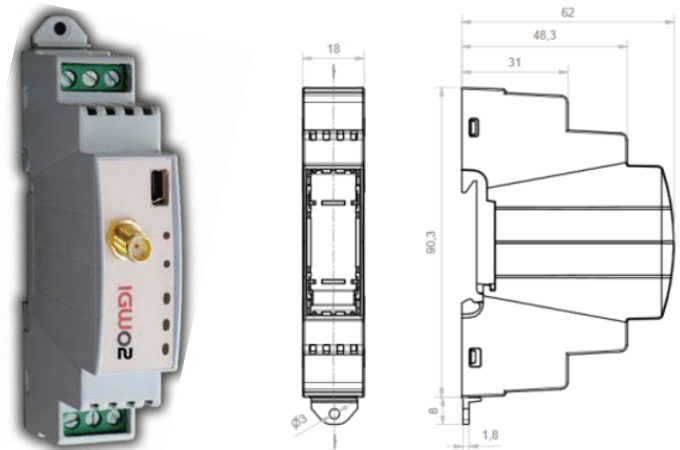


Gateway Wireless IGW02

Gateway Wireless 1M DIN

The Receiver/Gateway IGW02 allows to manage up to 64 devices (temperature probes, relative temperature and humidity, pulse count and totalizers, etc). The receiver utilizes the transmission technology required by the LoRa® standard, which guarantees a wide coverage, without the need for signal repeaters. The device can be powered in direct current from 18 to 32V. It has a RS485 port which, depending on the model, is used with ModBUS protocol or RNET.



The receiver has an SMA connector for connecting an external ISM band antenna 868 MHz. Through the USB port it is possible to configure the receiver, especially in the ModBUS configuration, for customizing the mapping of the registers, in order to make available the information received from the wireless terminal devices. The receiver is equipped with a RTC buffered by a button battery (replaceable) which allows to keep the time even in the absence of power supply.

IGW02-RNET

Ricevitore wireless con protocollo RNET per il collegamento diretto con i controllori **ICON**.

IGW02-MODBUS

Ricevitore wireless con protocollo ModBUS per il collegamento con qualsiasi PLC che possa gestire questa modalità di comunicazione.

The user interface consists exclusively of LED signals and a button, but thanks to a PC application with a LoRa® Wireless USB key, or by connecting directly to the USB port on the panel, it is possible to enter the device configuration (even at a distance in the Wireless case).

Technical Data Sheet

General Information	
User interface	Activation button; Information LEDs
Antenna	SMA female connector for ISM/LoRa external antenna (868 MHz), 250 cm cable, SMA male connector.
Fastening	DIN BAR

Mechanical	
Operating temperature limit	-40 ... +80 (°C)
Storage temperature limit	-40 ... +80 (°C)
Module container Class	IP30
Container material	ABS self-extinguishing UL 94 V0
Weight	125 (g)

Electrical	
Power supply	Direct Current (12 ÷ 32Vcc ±5%)
Lithium RTC battery life	Standard 5 years
Transmission frequency	ISM Band 868 Mhz 3.5mm Pitch
Transmission power	From 2.5 to 25 mW (25mW nominal)
Outdoor distance	5 (Km)
Degree of protection	IP30 3.5mm pitch
Radio disturbances	EN 61000-6 EN 55024:2010-11
Construction standards	CEI (Italian Electrical Board)

Connectivity	
USB	Mini USB – For local configuration
Wireless - Local	Available for the connection with the configuration and data management software
Porta RS485	RS485 port for connection with external controllers: <ul style="list-style-type: none"> • IGW02-RNET for direct connection with ICON controllers • IGW02-MODBUS for direct connection with other PLC