

Bridge LR 230 VAC

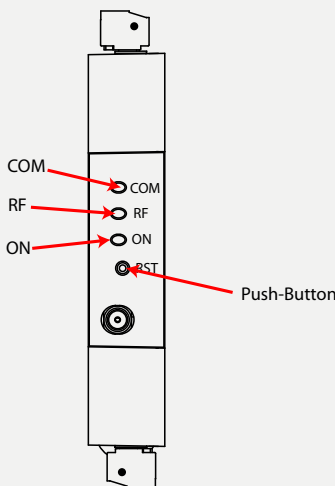
| Converters

Key features

- ✓ Convert any Modbus RTU device into wireless
- ✓ Long range wireless communications 100% transparent
- ✓ Up to 1 km of indoor coverage and 20 km of outdoor coverage
- ✓ Point-to-point or multipoint networks

Description

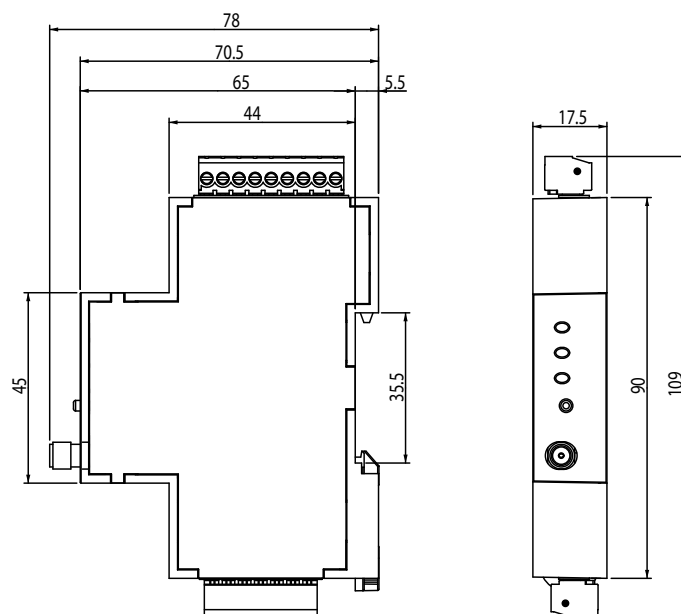
Bridge LR is a bridge that converts RS-485 physical environment to wireless long range network LoRa™. Easy installation thanks to a completely transparent communication between master and slaves. Capacity for reading sensors up to 1 km away in indoor areas and 20 km outdoors.



Leds

N° led	Name	Description
ON	Power supply	Activity: Fixed green
RF	Radiofrequency	Data transmission: Red slow blinking Data reception: Green rapid blinking Silence / waiting time: Fixed blue (Master only)
COM	RS-485	Data transmission: Red rapid blinking Data reception: Green rapid blinking

Dimensions



Technical characteristics

Category	Parameter	Value
Power circuit	Input voltage	110 ... 264 Vac
	Frequency	47 ... 63 Hz
	Maximum consumption	2,5 ... 4,5 VA
Environmental conditions	Temperature range	-10 ... 60 °C
	Humidity range	5 ... 95 %
Mechanical characteristics	Enclosure material	Plastic UL94 – V0 Self-extinguishing
	Protection grade	IP 20
	Unit dimensions (Width x Height x Length)	18 x 70 x 109 mm
	Weight	70 g
	Mounting	1 module of DIN Rail 46277 (EN 50022)
	Connectors	Plug-in terminals. Maximum cable section 1.5 mm ²
	Maximum working altitude	2000 m
Serial interface	Type	RS-485 three wires
	Baud rate	9600 / 19200 / 38400 / 57600 / 115200 bps configurable
	Data bits	8
	Parity	Without parity / Even configurable
	Stop bits	1 / 2 configurable
Radio interface	Protocol	LoRa™ for private networks
	Frequency	868 MHz
Characteristics and electrical security	Security	CAT III 300 V under EN 61010
	Electric shock protection	Double insulation class II
Standards	Standards	UNE EN 61010-1:2010, UNE-EN 61000-6-2, UNE-EN 61000-6-4