

Wiring and infrastructure saving



Measuring point mobility



Temp, RH and Lux measurement



Indication of coverage



Autodetection of units

Application

To manage and control consumption in:



Offices



Industry



Installations with mobile measuring points / Remote applications

Technical features

Power supply	AirGATEWAY	
	AirBRIDGE	Rated voltage: 230 V ±10% Frequency: 50/60 Hz ±5%
	AirREPEATER	110quonoy. 00/00112 10/0
	AirTHL	3.6 Vdc battery
	AirHANDZER	3x AAA 1.5 V _{DC} battery
Consumption	AirGATEWAY	2.4 VA
	AirBRIDGE 2.4 VA	
	AirREPEATER	4.6 VA
Communications	Interface	RS-485 to Radio IEEE 802.15.4 compliance
	Range	2405 MHz ÷ 2480 MHz
	Modulation	DSSS
Build features	Enclosure	Polycarbonate
	Protection degree	IP44
	Dimensions	227 x 100 x 51.5 mm
Environmental features	Maximum humidity	95% without condensation
	Maximum altitude	2000 m
Safety	Class III according to EN 61010 Class II double-insulated electric shock protection	
Standards	EN 60950-1, EN 62479, EN 61000-6-2, EN 61000-6-3, ETSI EN 301 489-1 v1.8.1, ETSI EN 300 328 v1.7.1, ETSI EN 301 489-17 v1.2.1, IEEE 802.15.4	

References

Туре	Code	Description
AirGATEWAY	M62001	RS-485 (Modbus/RTU) to Radio Converter
AirBRIDGE	M62002	Radio to RS-485 (Modbus/RTU) Converter
AirREPEATER	M62003	Signal repeater
AirTHL	M62004	Wireless probe (Temp, RH, Lux)
AirHANDZER	M62005	Portable signal coverage analyzer

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AirLINK

Wireless communications system

No communications limit





Wireless communications system

AirLINK is a system made up of various devices that help build a wireless communication architecture between a Modbus master and slave devices. The **AirLINK** system enables the simple and secure configuration of a transparent wireless network between Modbus RTU slave units.

The system consists of an **AirGATEWAY** unit that acts as a converter from Modbus series to Radio; **AirREPEATER** units or repeaters, which extend the range of the radio signal and **AirBRIDGE** units, which convert the radio signals to Modbus RS-485 signals for slave units. As terminal units, the **AirLINK** system has battery-powered **AirTHL** units, able to measure and transmit the temperature, humidity and light intensity of the environment where they are installed. The **AirLINK** system is completed with **AirHANDZER**, the portable unit for measuring the radio signal, providing information on available coverage and informing whether it is necessary to install repeaters.





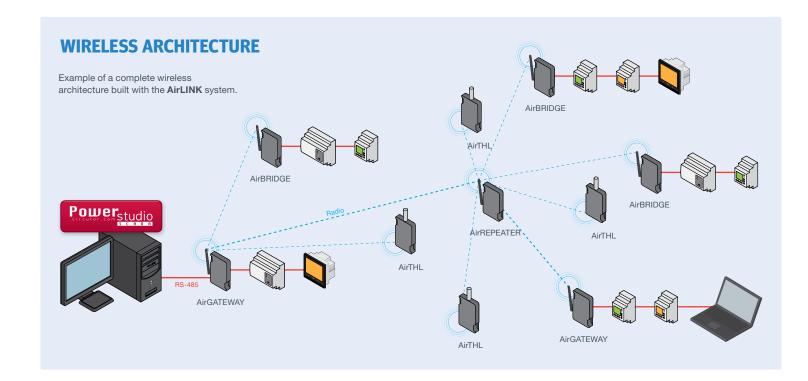
Wireless communications

AirGATEWAY, **AirBRIDGE** and **AirREPEATER** make it possible to link all devices wirelessly, creating a secure and robust network.



Measurement of coverage

AirHANDZER is vital for defining and designing the optimum communication architecture, selecting the amount and location of signal repeaters.





Wireless probe

AirTHL provides the infrastructure with wireless communications, able to measure temperature, humidity and brightness.

Coverage

AirLINK is a very robust wireless communications system, designed to reach approximate distances of 30 metres in openplan interiors (without obstacles) and 100 metres* outdoors with an **AirGATEWAY** repeater, extendable up to 50 metres indoors and 200 metres outdoors with the use of a **AirREPEATER**.

^{*} Antennas must be visible to guarantee this distance.