



SICUREZZA • ENERGIA • AMBIENTE

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PULSE READER ARA



BROCHURE

Caratteristiche Tecniche

DIGITAL INPUTS "50 PULSES"

Number of inputs

4 for metrological pulses connection
water, gas and heat counters

Type

50 or making contacts

CONTRACTS DIGITAL INPUTS

Number of inputs

4 for connection alarm sensors

Type

Making contacts

COMMANDS AND ALERTS

Buttons

Network synchronization

Reports

1 Led: Network synchronization

INPUTS

Connector

Screw terminals

POWER SUPPLY

Rating Voltage

12 Vcc

Burden

<100mA

ANTENNA

Connector

External stylus antenna
omnidirectional

Gain

2,2dBm

Option

Magnetic-based antenna and 2.5m
cable

ENVIRONMENTAL CONDITIONS

Operating temperature

- 20 / +60 °C

Transport temperature and storage

- 40 / +85 °C

Relative humidity (w/o condensation)

< 95%

MECHANICAL

Weight

0,1 Kg

Size

2 DIN modules

Mounting

DIN-guided assembly

The ARA device allows the user to read from remote via SIGFOX network some different values from meters by pulse emitters or status from sensors:

- 4 S0 metrological pulses provided by electricity, water, gas and heat meters,
- 4 contacts or status provided by tools for measuring tank levels, making or openings of contacts, etc.

The device is powered by a DC voltage (typically 12 V DC) and is available in case for assembly on DIN Rail; alternatively it can be provided in IP67 container.

The SIGFOX network is a cellular object network (IoT) and allows you to connect devices via radio without the need for SIM cards or GSM modems.

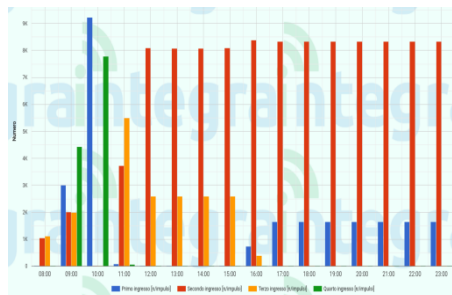
The device, where used for reading metrological pulses, allows you to read and transmit up to 4 different pulses, providing the measure of energy and demand at intervals of 15, 30 or 60 minutes.

The device, if used to read the status of contacts, allows the monitoring of 4 different contacts or levels and transmits an alarm at each change of status of one or more inputs in a programmable way.

A web server platform is available for the management of alarms for change of state and to collect and register the energy data in graphic or table format.

It is also possible, by means of the Integra web server platform, to configure the alarm threshold value of demand at multiples of 1 kW (2 kW, 3 kW, 4 kW, andtc.) or 1 Sm³ or 1 m³ depending on the type of counter connected.

The ARA device is certified for transmitting on the SIGFOX network, is protected from electromagnetic disturbances and does not interfere with the meter, and is CE branded.



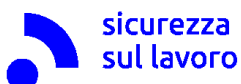
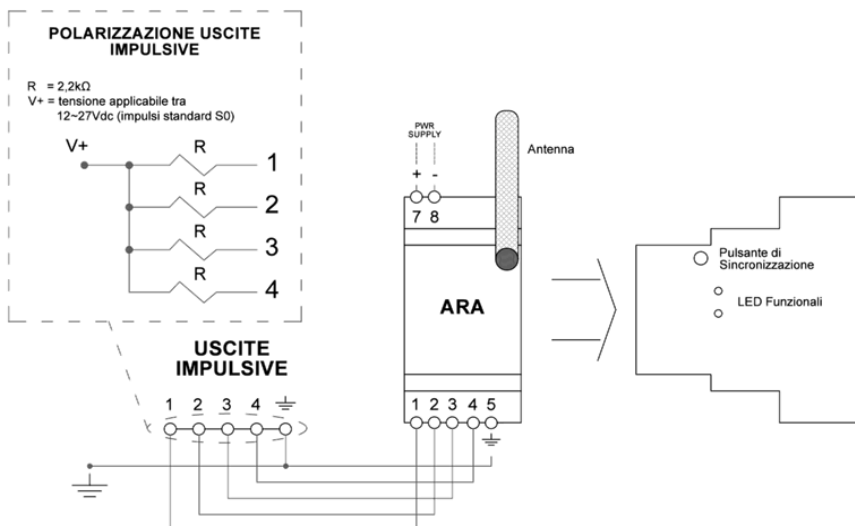
is CE branded.

The device is sold in bundle (ARA +

access to web server platform + 24 months of Sigfox connectivity) with connectivity renewal only at the end of 24 months.

Integra srl also offers to Customers who'll use the device technical support and assistance necessary for the functional test after installation.

FUNCTIONAL SCHEMA



sicurezza
sul lavoro



contatori e
soluzioni IOT



ambiente ed
efficienza energetica



mobilità
elettrica

To see Integra 360° solutions, please visit our web site: www.integra.co.it