

Artificial Intelligence

**rilheva**



**RILHEVA**  
Plant monitoring and management  
GPRS solution

Catalogo Tecnico: T\_RIL\_0914\_GB

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**RILHEVA - PLANT MONITORING AND MANAGEMENT GPRS SOLUTION.**

Rilheva is a part of the RC Group Artificial Intelligence. Is the most advanced solution in unattended monitoring and remote management for an air conditioning plant. Rilheva can be used everywhere in the World, through an easy web access from mobile devices such as PC's, tablets or smartphones.

**HIGHLIGHTS**

The choice of RC Group reliable, made with hi-tech components, with high and extremely high energy efficiency units is only the first step. Only with proper plant measurements, analysis and control instruments is possible to grant a long-lasting efficiency and quality. The features of Rilheva add value to the installed units and to the plant.

UNATTENDED MONITORING AND REMOTE MANAGEMENT, FROM EVERYWHERE IN THE WORLD, THROUGH AN EASY WEB ACCESS  
Rilheva solution is available for PC, tablet and smartphone:

- Thanks to an easy access to [rcgroup.rilheva.it](http://rcgroup.rilheva.it) website the user is provided with an interface that allows him to operate directly on the field.
- Dedicated apps for Android and iOS operative systems are available for the mobile network access.



RILHEVA

**APPLICATION FIELDS**

Each device can manage up to 400 Modbus registers and up to 31 (linked in serial) RC Group units.

Rilheva can be applied to:

- Air conditioners;
- Liquid chillers;
- Heat pumps and multifunction units.



NEXT EVO  
Precision air conditioning



PYXIS, PYXIS HP  
Liquid chillers, Heat pumps



TRILOGY  
Multifunction units

Rilheva can receive plant information and directly operate on main operative parameters by connection with Master Plant SEQuencer, RC Group sequencer for liquid chillers, heat pumps and multifunction unit.



**Master Plan SEQuencer**  
*Sequencer for liquid chillers,  
heat pumps and multifunction  
units*

For further information about Master Plant SEQuencer please refer to the dedicated technical catalogue.

**IMPORTANTE**

Rilheva is pre-configured by RC Group and adapted to the specific plant and customer needs.

## MAIN FEATURES

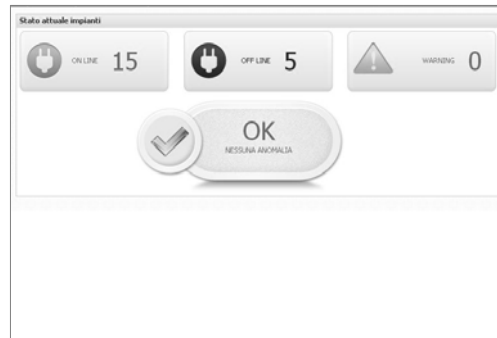
Rilheva main functions are:

- Real time plant's check;
- Units remote control (start/stop, set point modification, alarms reset);
- Customizable visualization and analysis (historical) of each unit data;
- Charts creation and export;
- Data monitoring on maps;
- SMS, Mail, Speech Synthesis, FAX and APP (iOS e Android) notifications;
- Integration of different devices in the system (pumps, cameras, etc.) through RS485 net on ModBus RTU communication protocol.

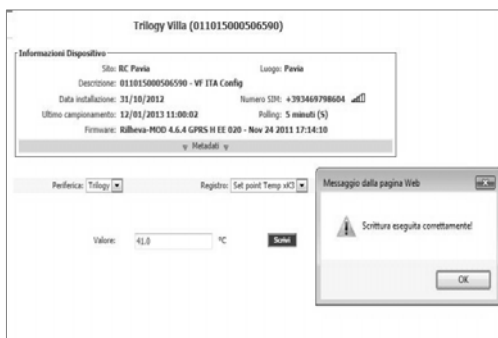
rcgroup.rilheva.it



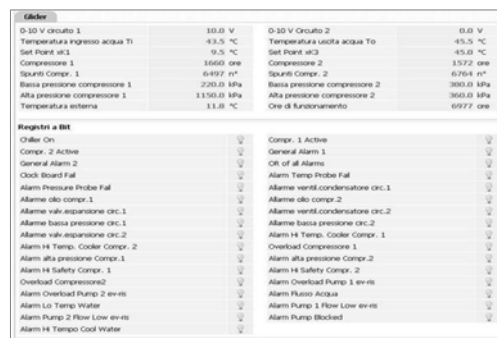
Homepage, Login.



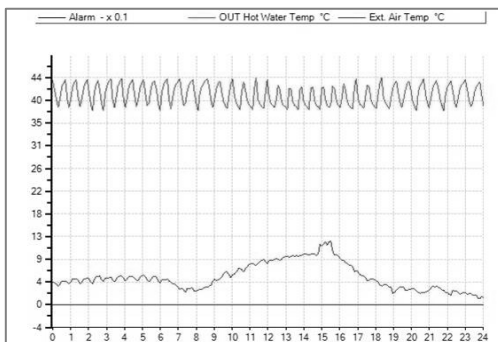
Real time plant's check



Units remote control



Customizable visualization and analysis



Charts creation and export



Data monitoring on maps



Notifications

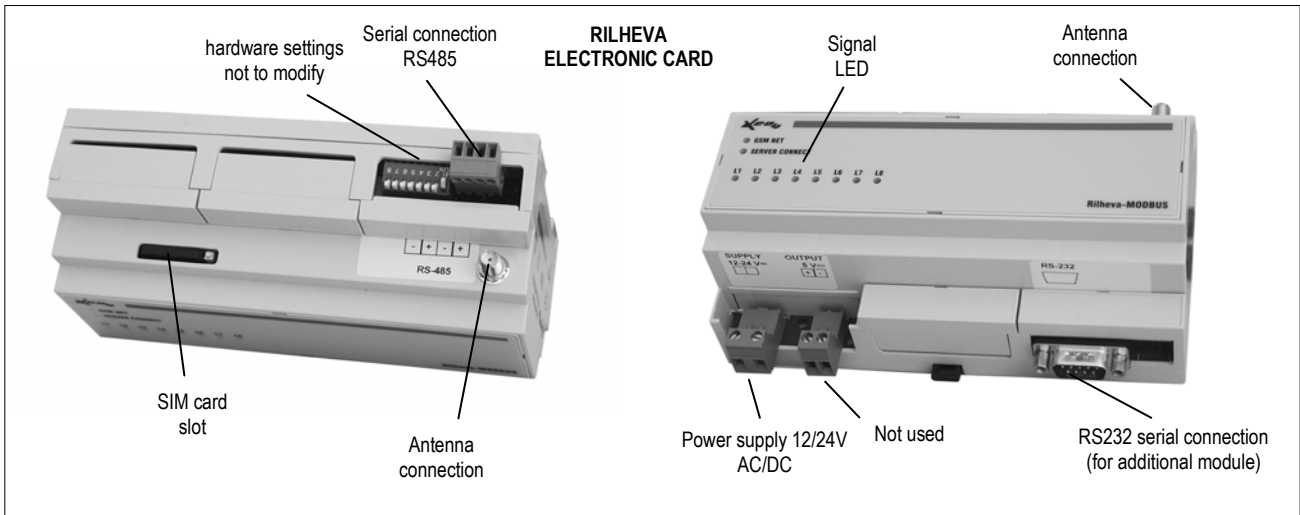


Integration of devices (es. cameras)

## MAIN COMPONENTS

The system is factory assembled and it includes:

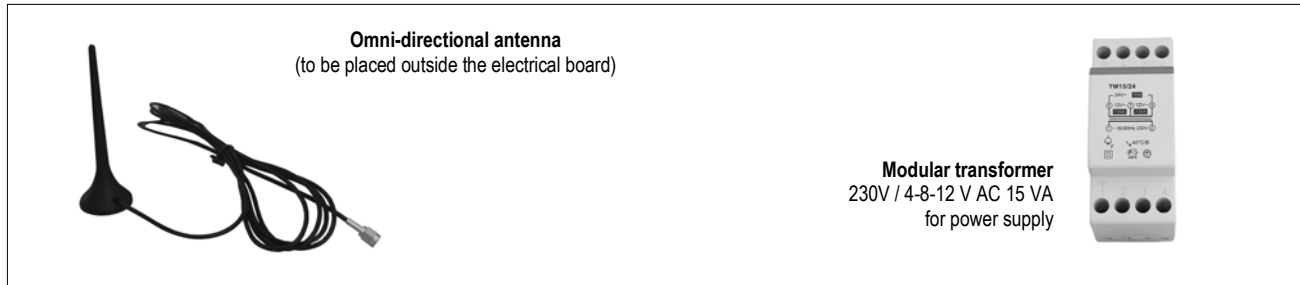
- RILHEVA electronic card that measures physical data (pressure, levels, temperatures, failures, unit conditions,...) through RS485 communication ports on ModBus RTU communication protocol and transmits them with a GPRS modem to a central server where they are stored, elaborated and made available to enabled users through the use of a common internet browser.
- Omni-directional dual band (900 and 1800MHz) antenna with magnetic base for data transmissions and receptions.
- Modular transformer TMC 15/12 230V / 4-8-12 V AC 15 VA for the power supply.



### IMPORTANT

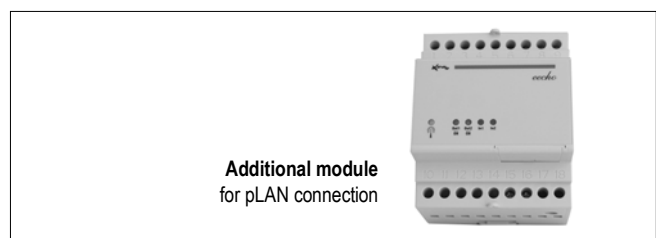
The optional accessory requires the installation of the serial port RCcom MBUS/JBUS on each unit to control (optional accessory, not included).

The optional accessory requires also the installation of a SIM card with an internet data subscription with a mobile phone provider (not included) and an annual subscription to RC Group service.



### ADDITIONAL MODULE FOR pLAN CONNECTION

When the RS 485 serial connection is not available in the units to control is possible to connect Rilheva to a pLAN network. This option requires an additional module installation. The additional module is electrically supplied by the same modular transformer used for RILHEVA. The additional module is linked to RILHEVA by the RS232 communication port.



## RC GROUP SERVICE SUBSCRIPTION

Several annual subscription forms are available.  
Please contact RC Group for further information.

Il continuo miglioramento dei prodotti può comportare variazioni nei dati indicati nel presente catalogo.



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