ECA Technology
ENERGY AND AIR-CONDITIONING SOLUTIONS

Technological solutions for tourism

CLIMACARD SYSTEM

SYNTEK
CLIMATIZZATORI

Climacard System

DESCRIPTION

The Climacard system was created to meet **environmental sustainability** objectives and meet the **energy saving needs** in tourist facilities. It is in fact a device that can be used by guests that allows waste to be avoided by **preventing the operation of air conditioning systems in the absence of the user.**

Each Climacard is equipped with rechargeable time credits through direct and simple management from the reception. The card, fully customizable for each tourist facility, is given to the guest who can air-condition the mobile home by inserting it into a handy reader.

Easy Installation

The installation of the entire Climacard system is very simple and takes place simultaneously with the installation of the air conditioner. The Climacard system can also be installed on air conditioners already installed.

Durable air conditioning

All air conditioners are used much less than traditional systems, so their life is considerably extended.

Economic saving

Energy consumption is even halved due to the reduction in the activity of air conditioners throughout the tourist facility.

Decrease in interventions

Combining Climacard with the air conditioner means that their life is extended by more than 50%. This involves the reduction of technical assistance interventions, especially in high season.

✔ # Energy saving and green hospitality in tourists facilities

Climacard is a proven ECA Technology system that avoids waste by preventing the air conditioning system from functioning in the absence of the user.

The customer, increasingly committed to environmental issues, will benefit from a relaxing stay in the name of environmental sustainability. Maximum comfort and maximum respect for the environment thanks to careful energy management.

What is CLIMACARD

Smartcard

Climacard card which contains the credits necessary for the operation of the air conditioner.

Smartcard reader and Controller

Device that allows personalized management of customer services with the time counter function.

It controls the room temperature, facilitates the management of the air conditioner without using the remote control with simplicity and safety.

*COP Coefficient of Performance, in optimal working conditions

Climacard PRO
Smart Management

Management of Climacard cards and supervision of installed equipment through intuitive software.

COMPLETE MANAGEMENT

The Climacard software, perfectly compatible with the systems of tourist facilities, allows you to customize smart cards to meet the needs of any user. Designed with a simple and quick to use interface, it generates credits that can then be used to air-condition the mobile home.
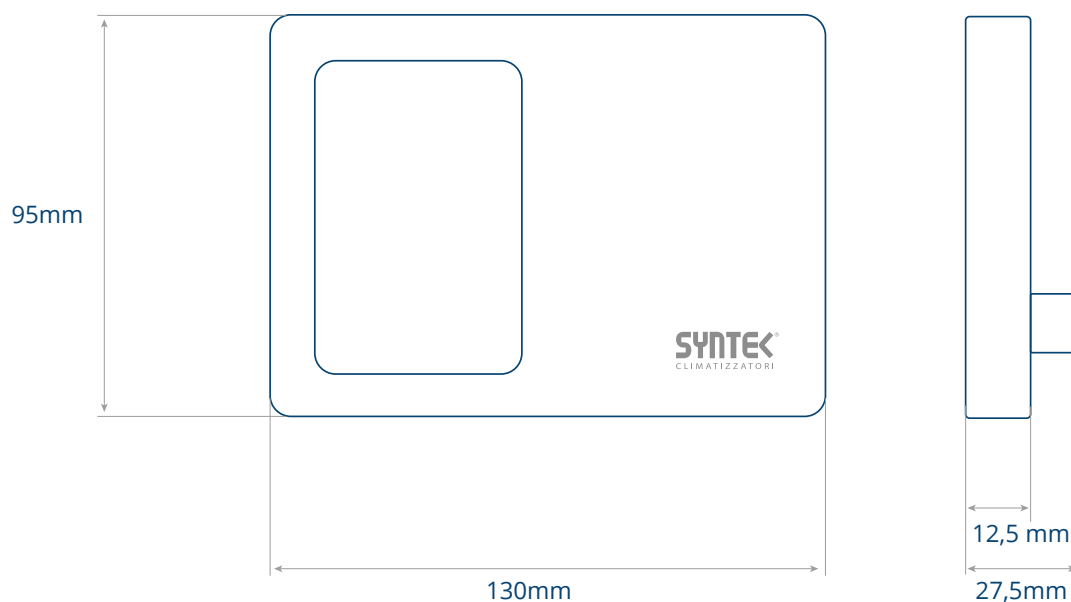
INSTALLATION COMPLETE

Climacard is an intelligent system, designed to integrate and work perfectly with the DC inverter air conditioners of the Syntek line. Efficiency is guaranteed by the fact that the technology used is specifically designed not to wear out the air conditioner but to preserve it over time.
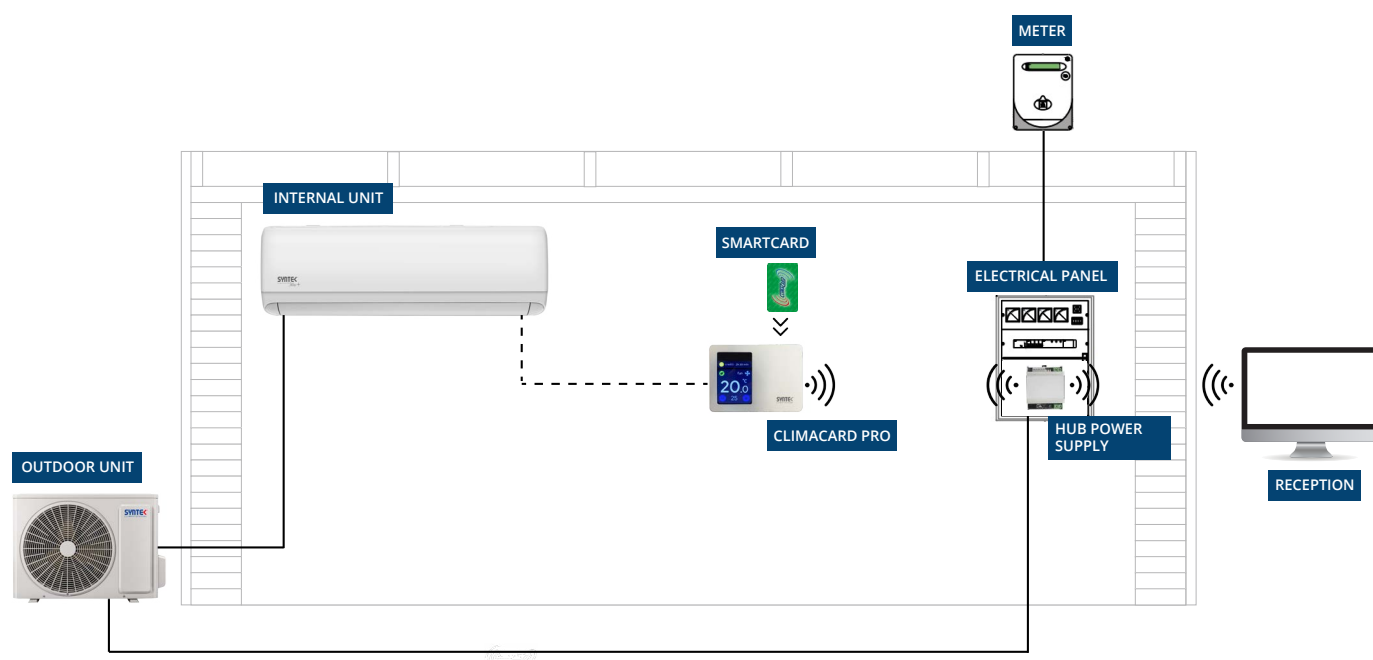
Climacard PRO
Technical Datashit

95mm

130mm

12,5 mm

27,5mm

DIMENSIONS	
Width x height x depth	130 x 95 x 12,5 mm
Width x height x depth (with terminal block)	130 x 95 x 27,5 mm
ELECTRICAL POWER SUPPLY	
Voltage	12 Vdc ± 5%
Maximum electricity consumption	2 W
ELECTRICAL CONNECTION	
Cable section	2 x 0,25 mmq
Maximum cable length	20 m
PROTECTION DEGREE	
Indoor application	IP30
ENVIRONMENTAL CONDITIONS	
Operating conditions	between 0°C and 60°C
TEMPERATURA	
Ambient temperature measurement range	between 5°C and 60°C
Temperature variation	+/- 1,0°C
Temperature control area (customized)	between 16 °C and i 30°C

Climacard PRO
Installation diagram

CHARACTERISTICS	SMARTCARD READER E CONTROLLER	CONTROLLER
3.5" TOUCH DISPLAY	✔	✔
TEMPERATURE SENSOR	✔	✔
ADJUSTABLE BACKLIGHTING	✔	✔
POCKET FOR SMARTCARD READER	✔	
COMPATIBLE WITH 503 BOX	✔	✔
COMPATIBLE WITH MONO and MULTISPLIT SYSTEMS	✔	✔
MULTILINGUAL	✔	✔
RETROFIT READY (compatible with sc power supply)	✔	✔
N.3 NO/NC DIGITAL INPUTS (Windows, Door, Home Automation, etc.)	✔	✔

FUNCTIONS

	SMARTCARD READER E CONTROLLER	CONTROLLER
SEASONAL OPERATION MODE (cool, heat, dry, fan)	✔	✔
SCALO SMARTCARD ENERGY CREDITS	✔	
CREDITS/TIME RESERVE INDICATOR	✔	
CONTROLLED SHUTDOWN (INFRARED)	✔	✔
TEMP. RANGE CUSTOM SEASONAL (Min-Max)	✔	✔
COUNTING HOURS OF OPERATION FOR MAINTENANCE. PREVENTIVE	✔	✔

OPTIONAL ACCESSORIES

	SMARTCARD READER E CONTROLLER	CONTROLLER
12Vdc POWER SUPPLY		✔
POWER SUPPLY BOARD SC	✔	
WIRELESS HUB POWER SUPPLY BOARD	✔	
PROGRAMMABLE SMARTCARD	✔	
SMARTCARD WRITER AND SOFTWARE	✔	
PRESENCE SENSOR	✔	✔

Climacard System
benefits

BENEFITS

- Use of air conditioners reduced by 50%.

- Extending the life of air conditioners by more than 50%

- Economic savings thanks to the reduction of energy consumption.

- Reduction of maintenance costs and technical assistance interventions

	Without Climacard	With Climacard
AIR CONDITIONERS 9000 btu inverter technology	100	100
CONSUMPTION on average air conditioning	650 w/h	650 w/h
TOTAL CONSUMPTION 100 air conditioners per hour	65 kw/h	65 kw/h
AVERAGE daily operation	16 ore	8 ore*
DAYS per season	90	90
TOTAL consumption	93.600 kW/h	46.800 kW/h

AVERAGE OPERATION DAILY	16 hours	8 hours

* a prepaid card with 8 hours / day of credit is given

Why choose **ECA Technology**?

ECA Technology designs and manufactures innovative technologies for the production of electricity from renewable sources, air conditioning, domestic hot water and heating, providing innovative, customised solutions for sustainable and future-oriented construction.

The company, present in the tourism sector with the Syntek product line, has been able to develop in over 40 years, a strong, reliable sales network that provides qualified pre and after sales services.

Consulting
expert advice and direct relationship

Products
that are reliable, spare parts always available

Assistance
direct technical support

Extensive network
of agencies, dealers and technical centers

Air conditioning
Energy management
Renewable energy
Air purification
Domestic hot water production
Assistance and maintenance

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