

RTX/RTY

User manual



 **ELECTRONIC CONTROLLER**

Dear Customer,

Thank you for wanting to learn about a product Aermec. This product is the result of many years of experience and in-depth engineering research, and it is built using top quality materials and advanced technologies.

The manual you are about to read is meant to present the product and help you select the unit that best meets the needs of your system.

However, please note that for a more accurate selection, you can also use the Magellano selection program, available on our website.

Aermec, always attentive to the continuous changes in the market and its regulations, reserves the right to make all the changes deemed necessary for improving the product, including technical data.

Thank you again.

Aermec S.p.A.

SAFETY CERTIFICATIONS



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled disposal of Waste Electrical and Electronic Equipment (WEEE), please return the device using appropriate collection systems, or contact the retailer where the product was purchased. Please contact your local authority for further details. Illegal dumping of the product by the user entails the application of administrative sanctions provided by law.

All specifications are subject to change without prior notice. Although every effort has been made to ensure accuracy, Aermec shall not be held liable for any errors or omissions.

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1 USER INTERFACE

1.1 MAIN VIEW

The roof-top units can be equipped with two types of terminals: built-in (Fig.1) and remote (Fig. 2).

Fig. 1

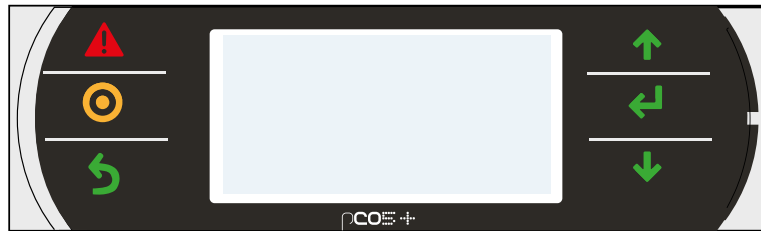
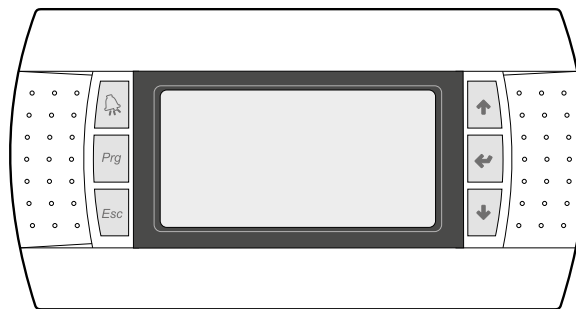


Fig. 2



1.2 KEYBOARD

The keyboard is composed of 6 keys and is integrated within the display as shown in the previous figures.



Alarm key: Used for consultation and resetting of the alarms.

- Rapid pressing: off and alarms display.
- Prolonged pressing: alarm history display.



Program key: Used to display the menus.

- Rapid pressing: display of user menu.
- Prolonged pressing: display of the screen to enter passwords to access the maintainer, installer and manufacturer menus.



Esc key: Used to exit the various menus and to return to the main screen.



UP key: Used for scrolling up within the menus and setting of the control parameters.



Enter key: Used for confirmation or power on/off of the machine.

- Rapid pressing: confirmation of the data entered.
- Prolonged pressing: power on/off of the machine.

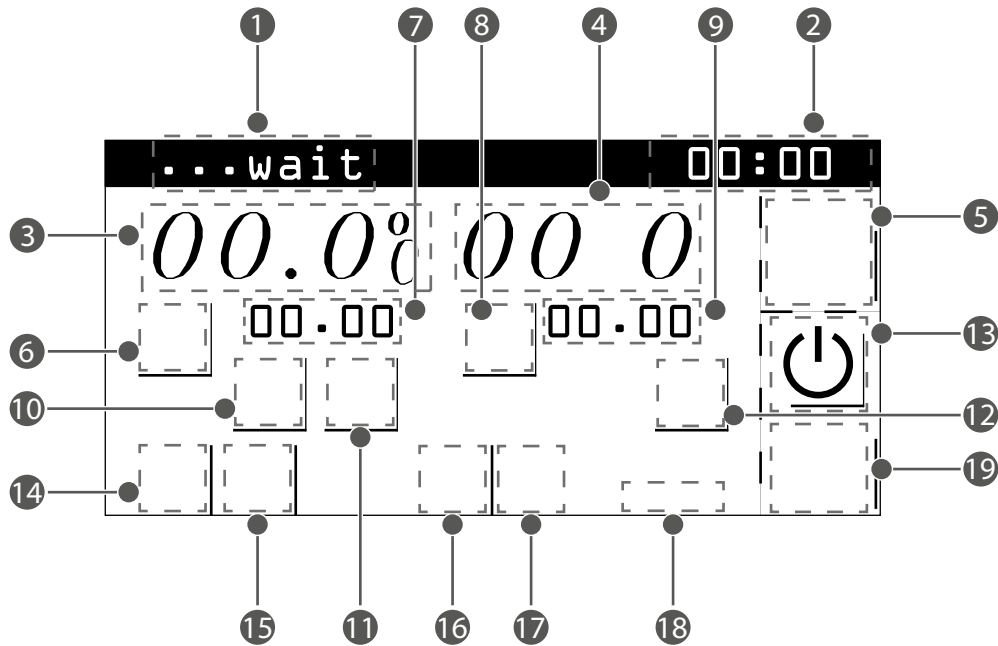


DOWN key: Used for scrolling down within the menus and setting of the control parameters.

1.3 DISPLAY

The display shows the main information of operation of the machine (Fig. 3).

Fig. 3



1.4 ICONS

The indications on the state of operation of the units are shown on a display via the use of words, numbers and icons.

1. INDICATION OF THE STATE OF THE SYSTEM

The state of the system is displayed according to the following conditions:


- "wait": the system is waiting for input
- "ON": the system is working correctly
- "OFFdaALR": the system has been shut down by an alarm
- "OFFdaNET": the system has been shut down by the network
- "OFFdaBMS": the system has been shut down by a supervisor
- "OFFdaFSC": the system has been shut down according to the indications of the time slot
- "OFFdaDIN": the system has been shut down by a digital command
- "OFFdaKEY": the system has been shut down by the keyboard
- "MANUAL": the system is in manual condition
- "SPARE PART": the system is in replacement condition
- "WASHING": the system is in washing condition

2. DAY / TIME: The day of the week and the current time is displayed


3. RECOVERY TEMPERATURE: displays the value in degrees centigrade of the recovery temperature

4. RELATIVE HUMIDITY: displays the value as a percentage of relative humidity



5. ALARM TIME SLOT: the icon  is displayed when the machine goes into time slot alarm

6. TOLERANCE TEMPERATURE: the icon  is displayed when the recovery temperature is within a predefined range of tolerance



7. SET POINT TEMPERATURE: the value in degrees centigrade of the recovery temperature is displayed



8. HUMIDITY TEMPERATURE: the icon  is displayed when the recovery temperature is within a predefined range of tolerance


9. SET POINT HUMIDITY: the value in degrees centigrade of the humidity set point is displayed


10. FREECOOLING - FREEHEATING - RECOVERY: the icon  is displayed when the mode of Freecooling - Freeheating is active or the icon  is displayed when the mode of heat recovery is active



11. MODE: the icon  is displayed when the replacement mode is active, the icon  is displayed when the cooling mode is active or the icon  is displayed when heating mode is active

12. HUMIDIFICATION - DEHUMIDIFICATION: the icon  is displayed when the humidification mode is active or the icon  is displayed when the dehumidification mode is active

13. ON - OFF: the icon  is displayed when the system is on or the icon  is displayed when the system is off

14. ALARM: the icon  is displayed with confirmation of the presence of an alarm

15. DEFROST: the icon  is displayed when the defrost mode is on

16. SUMMER - WINTER: the icon  is displayed when the summer mode is active or the icon  is displayed when the winter mode is active

17. FINE TUNING - WASHING: the wording "M.REG" is displayed during the fine tuning phase or the wording "WASH" is displayed during the washing phase

18. ON - OFF: the wording shDOWN is displayed during the shutdown preparation phase and the wording stUP is displayed during the start up preparation phase

2 MENU

2.1 MAIN MENU


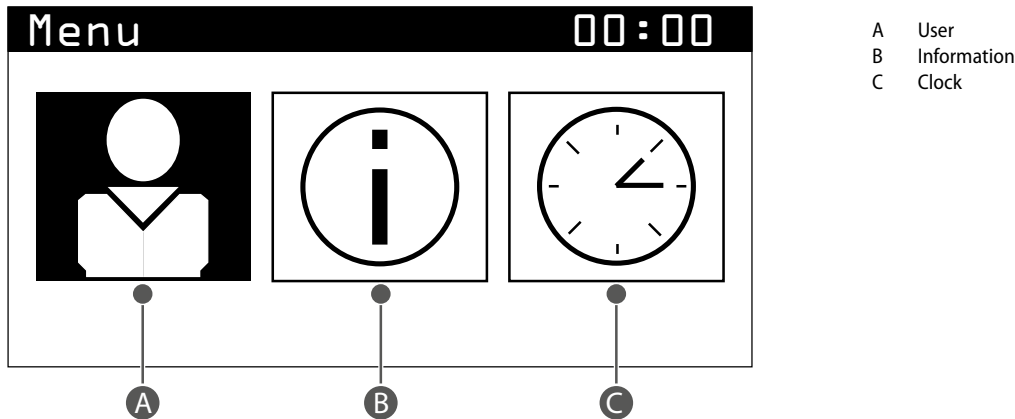
Pressing the  key from the stand-by screen provides access to the main menu (Fig. 4).

Fig. 4

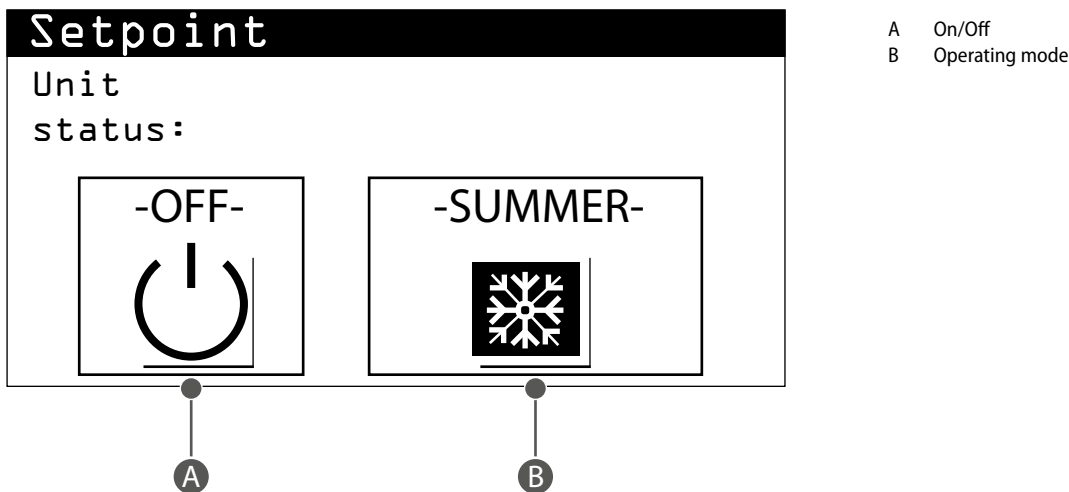


2.2 USER MENU

Positioning over User and pressing the Enter key provides access to the User menu. The menu is composed of two screens, that can be scrolled using the Up and Down keys:

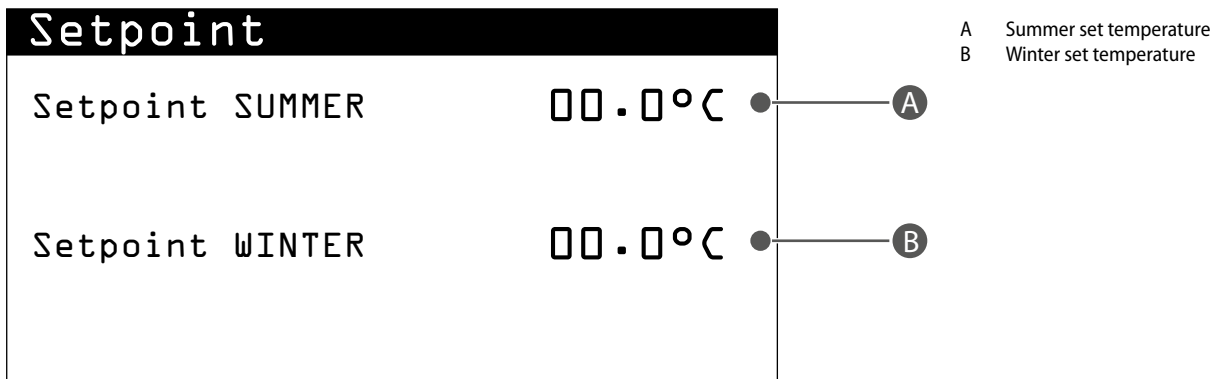
1. On-Off screen and adjustment mode (Fig. 5)
2. Screen for setting of the Summer - Winter set point temperature (Fig. 6)

Fig. 5



The first screen of the User menu is the screen of On/Off and mode adjustment. Positioning on this screen and pressing the Enter key it is possible to change through the use of the Up and Down keys the settings of on/off of the machine and of summer and winter air conditioning.

Fig. 6



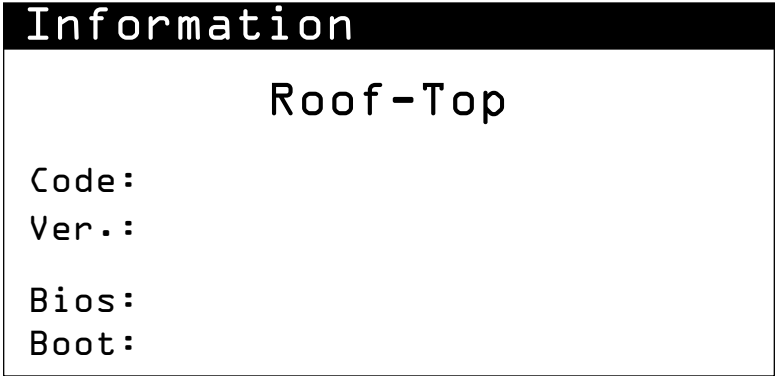
The second screen of the User menu is the setting screen of the set point temperature. Positioning on this screen and pressing the Enter key it is possible to change through the use of the Up and Down keys the values of the set point temperatures of summer and winter air conditioning. Where the time slot option is active two summer set point temperatures and two winter set point temperatures will be displayed.

2.3 INFORMATION MENU

Positioning over Information and pressing the Enter key provides access to the Information menu. The menu is composed of two screens (not clickable) that can be scrolled through using the Up and Down keys:

- 1. Screen of the main information (Fig. 7a)
- 2. Screen of the secondary information (Fig. 7b)

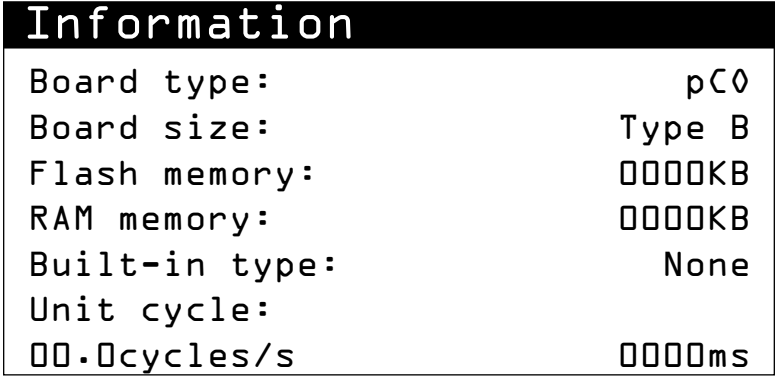
Fig. 7a



The first screen of the Information menu provides information on:

- model of the machine
- code and version of the software
- version of the bios and boot

Fig. 7b



The second screen of the Information menu provides information on:

- type and size of the card
- flash memory
- RAM memory
- built-in type
- number of machine cycles

2.4 CLOCK MENU

Positioning over Time and pressing the Enter key provides access to the Time menu. The menu is composed of six screens, that can be scrolled through using the Up and Down keys:

- 1. Sscreen of the time and date settings (Fig. 8)
- 2. Screen of activation of the time slots (Fig. 9)
- 3. Screen of setting of the time slots (Fig. 10) *
- 4. Screen of setting of the special periods (Fig. 11) *
- 5. Screen of settings of the special days (Fig. 12) *
- 6. Screen of setting of the daylight saving time (Fig. 13)

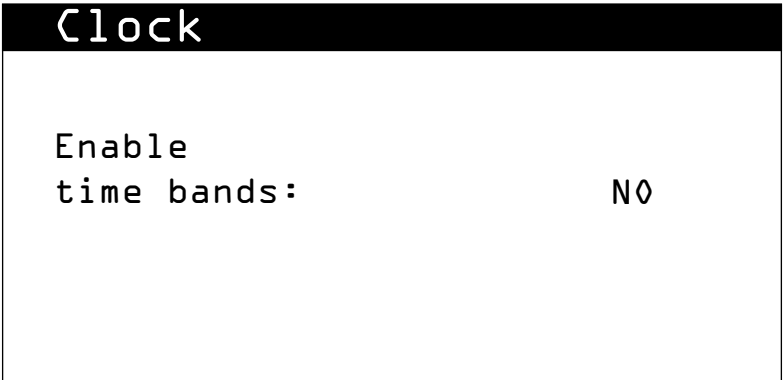
■ *screens only visible if use of the time slots is enabled.

Fig. 8



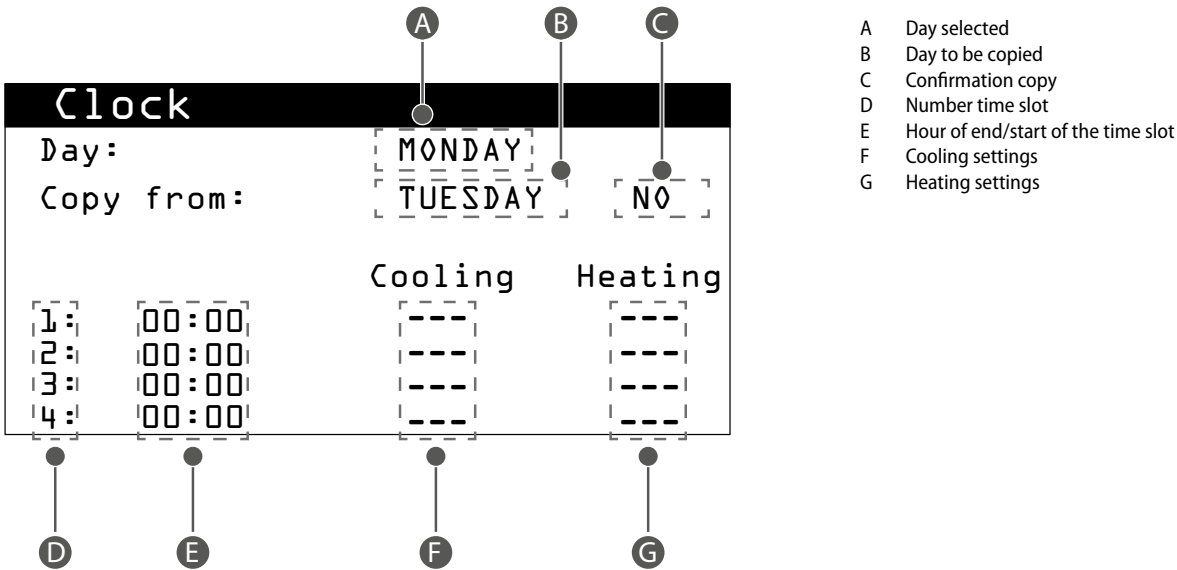
The first screen of the Time menu is the screen of time, date and day. Positioning on this screen and pressing the Enter key it is possible to change through the use of the Up and Down keys the settings of hour and date.

Fig. 9



The second screen of the Time menu is the screen of activation of the time slots. Positioning on this screen and pressing the Enter key it is possible to enable or disable the operation through time slots.

Fig. 10



The third screen of the Time menu is the screen of definition of the time slots. Positioning on this screen and pressing the Enter key, it is possible to modify the settings of each time slot, both in cooling mode and in heating mode.

Fig. 11

- A Date start special period
- B Date end special period
- C Cooling settings
- D Heating settings

The fourth screen of the Time menu is the screen of definition of the special periods (periods of the year in which the special conditions of cooling and heating are applied). Positioning on this screen and pressing the Enter key, it is possible to modify the settings of each special period.

Fig. 12

- A Date special day
- B Cooling settings
- C Heating settings

The fifth screen of the Time menu is the screen of definition of the special days (days of the year in which the special conditions of cooling and heating are applied). Positioning on this screen and pressing the Enter key, it is possible to modify the settings of each special day.

Fig. 13

A Enable/Disable period daylight saving time

B Start period daylight saving time

C End period daylight saving time

The sixth screen of the Time menu is the screen of setting of daylight saving time. Positioning on this screen and pressing the Enter key, it is possible to modify the settings of each special day.

2.5 SECONDARY INFORMATIVE MENU


From the stand-by screen and pressing the PRG key  access is provided to the main menu

1. **Temperature:** indication of recovery, delivery and external temperatures
2. **Differential pressure:** indication of the differential pressure of the fan
3. **Pressure circuit 1:** indication of the high and low pressure in circuit 1
4. **Pressure circuit 2:** indication of the high and low pressure in circuit 2
5. **State digital inputs:** indication of the state of digital inputs
6. **State digital inputs expansion cards:** indication of the state of digital inputs of the expansion cards
7. **State digital outputs:** indication of the state of digital outputs
8. **State digital outputs expansion cards:** indication of the state of digital outputs of the expansion cards
9. **Ventilation:** percentage indication of the speed of rotation of the delivery and recovery fans
10. **Shutter:** percentage indication of the degree of opening of the external shutter with indication of the use of Freecooling mode
11. **Compressors circuit 1:** indication of the state of on/off of the compressors of circuit 1 with percentage indication of the speed of rotation of the condensation/evaporation fans
12. **Compressors circuit 2:** indication of the state of on/off of the compressors of circuit 2 with percentage indication of the speed of rotation of the condensation/evaporation fans
13. **Use of heat sources:** percentage indication of the opening of the hot valve, of the use of the heating system and percentage use of the heat generator.


3 MAIN ADJUSTMENT OPERATIONS

3.1 START UP/SHUT DOWN OF THE UNITS












Start up:

With the unit in the Off state position on the stand-by screen and hold the Enter key  until the unit is switched on.
















Shutdown:

With the unit in the on state position on the stand-by screen and hold the Enter key  until the unit is switched off.

3.2 SETTING OF THE MODE OF AIR CONDITIONING (COOLING OR HEATING)























1. From the stand-by screen and pressing the PRG key  access is provided to the main menu
2. Through the Up  and Down keys  position on the User menu and access it with the Enter key 
3. From the on-off screen and adjustment mode (Fig. 5) Press the Enter key  to enable the changes
4. Press the Enter key  to position on the selector of the air conditioning mode
5. Through the Up  and Down keys  select the cooling mode (-SUMMER-) or the heating mode (-WINTER-)
6. Press the Enter  key to confirm
7. Press the Esc key  to return to the main menu
8. Press the Esc  key to return to the stand by screen

3.3 SETTING OF THE SET POINT TEMPERATURE






































1. Positioning on the stand-by screen and pressing the PRG key  provides access to the main menu
2. Through the Up  and Down keys  position on the User menu and access it with the Enter key 
3. From the on-off screen and adjustment mode (Fig. 5), through the Up  and Down keys , move around the Summer - Winter set point temperature setting screen * (Fig. 6)
4. Press the Enter key  to enable the changes
5. Through the Up  and Down  keys set the value of the temperature of set point for the summer air conditioning
6. Press the Enter  key to confirm
7. Through the Up  and Down keys  set the value of the temperature of set point for the winter air conditioning
8. Press the Enter  key to confirm
9. Press the Esc key  to return to the main menu
10. Press the Esc  key to return to the stand by screen

* (if the time slot mode is disabled, it is only possible to set one value of set point temperature for the summer air conditioning and only one value of set point temperature for the winter conditioning. If the time slot mode is enabled it is possible to set two values of set point temperatures for the summer air conditioning and two values of set point temperatures for the winter air conditioning)











3.4 SETTING OF THE DATE AND TIME

1. Positioning on the stand-by screen and pressing the PRG key  provides access to the main menu
2. Through the Up  and Down keys  position on the Time menu and access it with the Enter key 
3. From the time and date settings screen (Fig. 8) Press the Enter key  to enable the changes
4. Through the Up  and Down keys  set the current time (according to the 24 hour format)
5. Press the Enter  key to confirm
6. Through the Up  and Down keys  set the current minute
7. Press the Enter  key to confirm
8. Through the Up  and Down keys  set the current day
9. Press the Enter  key to confirm
10. Through the Up  and Down keys  set the current month
11. Press the Enter  key to confirm
12. Through the Up  and Down keys  set the current year
13. Press the Enter  key to confirm
14. Press the Esc key  to return to the main menu
15. Press the Esc  key to return to the stand by screen

3.5 DAYLIGHT SAVINGS TIME SETTING

1. Positioning on the stand-by screen and pressing the PRG key  provides access to the main menu
2. Through the Up  and Down keys  position on the Time menu and access it with the Enter key 
3. From the screen of setting of daylight saving time (Fig. 13) Press the Enter key  to enable the changes
4. Through the Up  and Down keys  select ENABLE to enable the daylight saving time or DISABLE to disable the daylight saving time
5. After having selected ENABLE, press the Enter key  to confirm
6. Through the Up  and Down keys  select the transition time
7. Press the Enter  key to confirm
8. Through the Up  and Down keys  select the week of the month at which to perform start transition of the period of daylight saving time
9. Press the Enter  key to confirm
10. Through the Up  and Down keys  select the day of the week of the month at which to perform start transition of the period of daylight saving time
11. Press the Enter  key to confirm
12. Through the Up  and Down keys  select the month at which to perform start transition of the period of daylight saving time
13. Press the Enter  key to confirm
14. Through the Up  and Down keys  select the hour at which to perform start transition of the period of daylight saving time
15. Press the Enter  key to confirm
16. Through the Up  and Down keys  select the week of the month at which to perform end transition of the period of daylight saving time
17. Press the Enter  key to confirm
18. Through the Up  and Down keys  select the day of the week of the month at which to perform end transition of the period of daylight saving time
19. Press the Enter  key to confirm
20. Through the Up  and Down keys  select the month at which to perform end transition of the period of daylight saving time
21. Press the Enter  key to confirm
22. Through the Up  and Down keys  select the hour at which to perform end transition of the period of daylight saving time
23. Press the Enter  key to confirm
24. Press the Esc key  to return to the main menu
25. Press the Esc  key to return to the stand by screen






















3.6 ENABLING/DISABLING OF THE TIME SLOTS

1. Positioning on the stand-by screen and pressing the PRG key  provides access to the main menu
2. Through the Up  and Down keys  position on the Time menu and access it with the Enter key 
3. From the screen of setting of enabling of the time slots (Fig. 9) Press the Enter key  to enable the changes
4. Through the Up  and Down keys  select YES to enable the time slots or NO to disable the time slots.
5. Press the Enter  key to confirm
6. Press the Esc key  to return to the main menu
7. Press the Esc  key to return to the stand by screen

■ Enabling the time slots involves the appearance in the Time menu of the screens for setting of the time slots, setting of the special periods and setting of the special days.
















3.7 MANUAL SETTING OF THE DAILY TIME SLOTS


Before proceeding ensure that use of the time slots has been enabled.

1. Positioning on the stand-by screen and pressing the PRG key  provides access to the main menu
2. Through the Up  and Down keys  position on the Time menu and access it with the Enter key 
3. From the screen of setting of the time slots (Fig. 10) Press the Enter key  to enable the changes
4. Through the Up  and Down keys  select the day to be set
5. Press the Enter  key to confirm
6. Press the Enter key  twice again to move the cursor over the time of the first time slot
7. Through the Up  and Down keys  select the start time of the first time slot
8. Press the Enter  key to confirm
9. Through the Up  and Down keys  select the start minute of the first time slot
10. Press the Enter  key to confirm
11. Through the Up  and Down keys  select the setting for cooling during the first time slot:
 - OFF to switch off the cooling during the time slot
 - SET1 to use the cooling settings of set 1
 - SET2 to use the cooling settings of set 2
 - --- to not intervene
12. Press the Enter  key to confirm
13. Through the Up  and Down keys  select the setting for heating during the first time slot:
 - OFF to switch off the heating during the time slot
 - SET1 to use the heating settings of set 1
 - SET2 to use the heating settings of set 2
 - --- to not intervene
14. Press the Enter  key to confirm
15. Set the number of time slots desired (up to a maximum of four time slots per day) through the previous scheme
16. Use the diagram above to set the daily time slots and changing the day to be set from time to time
17. Press the Esc key  to return to the main menu
18. Press the Esc  key to return to the stand by screen

3.8 SETTING OF THE DAILY TIME SLOTS THROUGH THE COPY TOOL

Before proceeding ensure use of the time slots has been enabled and that at least one time slot a day has been defined.

1. Positioning on the stand-by screen and pressing the PRG key  provides access to the main menu
2. Through the Up  and Down keys  position on the Time menu and access it with the Enter key 
3. From the screen of setting of the time slots (Fig. 10) Press the Enter key  to enable the changes
4. Through the Up  and Down keys  select the day to be used as a base model
5. Press the Enter  key to confirm
6. Through the Up  and Down keys  select the day to which the same conditions as the day-model are to be applied or choose ALL to apply the same conditions for the entire week
7. Press the Enter  key to confirm
8. Through the Up  and Down keys  select YES to set the copy
9. Press the Enter  key to confirm
10. Press the Esc key  to return to the main menu

11. Press the Esc  key to return to the stand by screen


















3.9 SETTING OF THE SPECIAL PERIODS

Before proceeding ensure that use of the time slots has been enabled.

1. Positioning on the stand-by screen and pressing the PRG key  provides access to the main menu
2. Through the Up  and Down keys  position on the Time menu and access it with the Enter key 
3. From the screen of setting of the special periods (Fig. 11) Press the Enter  key to enable the changes
4. Through the Up  and Down keys  select the start day of the special period
5. Press the Enter  key to confirm
6. Through the Up  and Down keys  select the start month of the special period
7. Press the Enter  key to confirm
8. Through the Up  and Down keys  select the end day of the special period
9. Press the Enter  key to confirm
10. Through the Up  and Down keys  select the end month of the special period
11. Press the Enter  key to confirm
12. Through the Up  and Down keys  select the setting for cooling during the special period:
OFF to switch off the cooling during the time slot
SET1 to use the cooling settings of set 1
SET2 to use the cooling settings of set 2
--- to not intervene
13. Press the Enter  key to confirm
14. Through the Up  and Down keys  select the setting for heating during the special period:
OFF to switch off the heating during the time slot
SET1 to use the heating settings of set 1
SET2 to use the heating settings of set 2
--- to not intervene
15. Press the Enter  key to confirm
16. Set the number of special periods desired (up to a maximum of three special periods per year) through the previous scheme
17. Press the Esc key  to return to the main menu
18. Press the Esc  key to return to the stand by screen

3.10 SETTING OF THE SPECIAL DAYS

Before proceeding ensure that use of the time slots has been enabled.

1. Positioning on the stand-by screen and pressing the PRG key  provides access to the main menu
2. Through the Up  and Down keys  position on the Time menu and access it with the Enter key 
3. From the screen of setting of the special days (Fig. 12) Press the Enter key  to enable the changes
4. Through the Up  and Down keys  select the special day
5. Press the Enter  key to confirm
6. Through the Up  and Down keys  select the month of the special day
7. Press the Enter  key to confirm
8. Through the Up  and Down keys  select the setting for cooling during the special period:
OFF to switch off the cooling during the time slot
SET1 to use the cooling settings of set 1
SET2 to use the cooling settings of set 2
--- to not intervene
9. Press the Enter  key to confirm
10. Through the Up  and Down keys  select the setting for heating during the special period:
OFF to switch off the heating during the time slot
SET1 to use the heating settings of set 1
SET2 to use the heating settings of set 2
--- to not intervene
11. Press the Enter  key to confirm
12. Set the number of special days desired (up to a maximum of six special days per year) through the previous scheme

4 CONTROL OF ALARMS

4.1 NO ALARM PRESENT (ALARM KEY OFF)



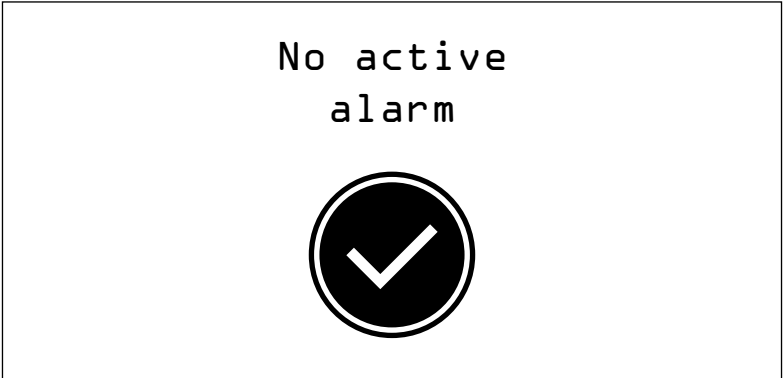
If the Alarm key   is off no alarm is present. Pressing the Alarm key displays the confirmation screen (Fig. 14).

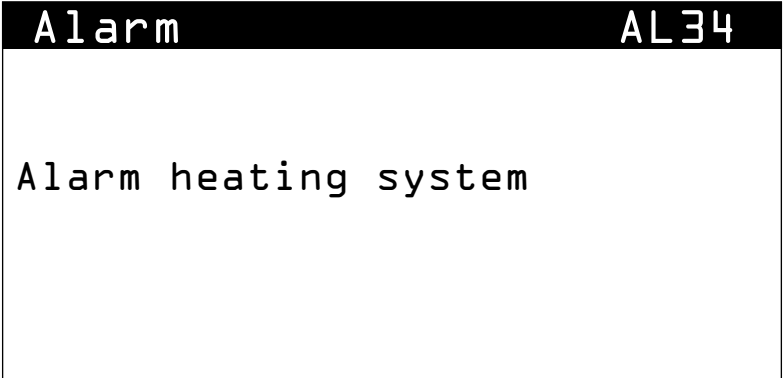
Fig. 14









4.2 ONE OR SEVERAL ALARMS PRESENT (ALARM KEY FLASHING)

In the presence of one or several alarms the Alarm key flashes and the device emits a sound signal. Pressing the Alarm key provides access to the Alarms menu. 15).

Fig. 15



Through the Up   and Down keys   it is possible to scroll through the list of all the alarms that were activated in the last session. To reset the system press the Alarm key   until the appearance of the words NO ALARM ACTIVE.

4.3 ALARM LOG DISPLAY

With prolonged pressing of the Alarm key   it is possible to view the alarm history (Fig. 16).





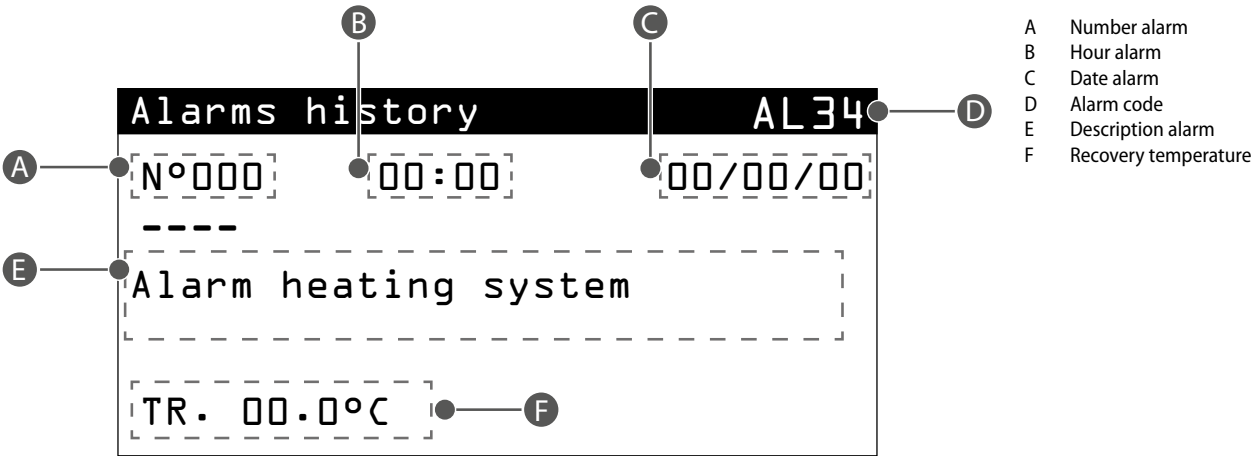
Through the Up   and Down keys   it is possible to scroll through the list of all the alarms activated.

Fig. 16



4.4 LIST OF ALARMS

Code	Description	Action	Reset
AL01	Permanent memory faulty	Unit off	Manual
AL02	Time card faulty or disconnected	Disable function time slots	Manual
AL03	Alarm hours system operation	Visualisation	Manual
AL04	Alarm hours operation compressor 1 - circ.1	Visualisation	Manual
AL05	Alarm hours operation compressor 2 - circ.1	Visualisation	Manual
AL06	Alarm hours operation compressor 1 - circ.2	Visualisation	Manual
AL07	Alarm hours operation compressor 2 - circ.2	Visualisation	Manual
AL08	Alarm hours operation gas generator	Visualisation	Manual
AL09	Alarm fire/smoke	Unit off	Manual
AL10	Alarm air filters	Unit off	Manual
AL11	Alarm air flow (from flow switch)	Unit off	Manual
AL12	Alarm heat compressor 1 - circ.1	Lock Compressor 1 circuit 1	Manual
AL13	Alarm heat compressor 2 - circ.1	Lock Compressor 2 circuit 1	Manual
AL14	Alarm heat compressor 1 - circ.2	Lock Compressor 1 circuit 2	Manual
AL15	Alarm heat compressor 2 - circ.2	Lock Compressor 2 circuit 2	Manual
AL16	Alarm heat fan condenser - circ.1	Lock compressors circuit 1	Manual
AL17	Alarm heat fan condenser - circ.1	Lock compressors circuit 2	Manual
AL18	Alarm high pressure - circ.1 (from pressure switch)	Lock compressors circuit 1	Manual
AL19	Pre-alarm high pressure -circ. 1 (transducer)	Display and storage	No. 3 pre-alarms in one hour, No. 4 in two hours, No. 5 in three hours
AL20	Alarm high pressure -circ. 1 (transducer)	Lock compressors circuit 1	Manual
AL21	Alarm high pressure -circ. 2 (pressure switch)	Lock compressors circuit 2	Manual
AL22	Pre-alarm high pressure -circ. 2 (transducer)	Display and storage	No. 3 pre-alarms in one hour, No. 4 in two hours, No. 5 in three hours
AL23	Alarm high pressure -circ. 2 (transducer)	Lock compressors circuit 2	Manual
AL25	Alarm low pressure -circ.1 (transducer)	Lock compressors circuit 1	Maximum 3 in one hour for automatic then manual recovery
AL27	Alarm low pressure -circ.2 (transducer)	Lock compressors circuit 2	Maximum 3 in one hour for automatic then manual recovery
AL28	Alarm		
AL29	Heat fan delivery	Unit off	Manual
AL30	Heat fan recovery	Off fan recovery	Manual
AL31	Air flow delivery (transducer)	Unit off	Manual
AL32	Air flow recovery (transducer)	Off fan recovery	Manual
AL33	Alarm humidifier	Lock humidification	Manual
AL34	Alarm heating system	Unit off	Manual
AL37	Alarm low temperature of recovery	Visualisation	
AL38	Alarm high temperature of recovery	Visualisation	
AL41	Alarm temperature probe delivery faulty or disconnected	Disable limit functions in delivery	Manual
AL42	Alarm temperature probe recovery faulty or disconnected	Unit off	Manual
AL45	Alarm transd.press.diff.fan delivery faulty or disconnected	Unit off	Manual
AL46	Alarm transd.press.diff.fan recovery faulty or disconnected	Off fan recovery	Manual
AL47	Alarm transd.high press. circuit 1 faulty or disconnected	Lock compressors circuit 1	Manual
AL48	Alarm transd.high press. circuit 2 faulty or disconnected	Lock compressors circuit 2	Manual
AL49	Alarm transd.low press. circuit 1 faulty or disconnected	Lock compressors circuit 1	Manual
AL50	Alarm transd.low press. circuit 2 faulty or disconnected	Lock compressors circuit 2	Manual
AL51	Alarm external temperature probe faulty or disconnected	Disable freecooling and freeheating	Manual
AL53	Alarm humidity probe recovery faulty or disconnected	Disable enthalpy freecooling, humidification and dehumidification	Manual
AL54	Alarm external humidity probe faulty or disconnected	Disable enthalpy freecooling	Manual
AL55	Alarm defrost temperature probe faulty or disconnected	Disable defrost functions	Manual
AL57	Alarm delivery humidity probe faulty or disconnected	Disable enthalpy freecooling, humidification and dehumidification	Manual
AL59	Alarm CO ₂ air quality probe faulty or disconnected	Disable air quality function	Manual
AL60	Alarm air quality probe VOC faulty or disconnected	Disable air quality function	Manual
AL61	Alarm offline pCO _e no. 1	Unit off	
AL62	Alarm offline pCO _e no. 2	Unit off	
AL63	Alarm offline pCO _e no. 3	Unit off	
AL64	Alarm chiller cut-off switch off due to high external temperature	Lock compressors circuits 1 - 2	Automatic
AL66	Alarm heat pump cut-off switch off due to low external temperature	Lock compressors circuits 1 - 2	Automatic

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Aermec S.p.A.

Via Roma, 996 - 37040 Bevilacqua (VR) - Italia

Tel. +39 0442 633 111 - Fax +39 0442 93577

marketing@aermec.com - www.aermec.com

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