

24/03 - 6181010_01 Translation of Original instructions



User manual



ELECTRONIC CONTROLLER



www.aermec.com

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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Button	Symbol	Function
1	«	 Scrolls up the menu icons Changing of parameter and set values (in Edit Mode)
2	OK	 Confirm Enters the menu (selected icon) Enters Edit Mode Exits Edit Mode applying the changes
3	>	Moves cursor to the right (in Edit Mode)
4	*	 Scrolls down the menu icons Changing of parameter and set values (in Edit Mode)
5	Ţ	 Goes back to previous menu Moves cursor to the left (in Edit Mode) Exits Edit Mode (if prolonged pressure) without changes

Edit Mode: changes parameters and set

LED	Colour	Function
A	Red	Alarm
В	Yellow	Updates application
С	Green	Unit on ON



On/Off 1

- "Comfort Economy" function Hot/Cold/Auto 2
- 3
- 4 Alarm Presence
- Set T °C 5
- 6 Set UR %
- "Night" function 7

MEANING OF NON-SELECTABLE ICONS 3



- Mode and status operation 1
- Freecooling/Freeheating 2
- 3 Adjustment temperature
- 4 Adjustment humidity
- 5 Date
- Block keyboard 6
- 7 Day
- 8 Time

4 LANGUAGE SETTING

With prolonged pressure (3 sec) on key 🗾 the following menu appears:



Using keys and select icon and confirm with OK and the following menu appears:



5 TIME SETTING



With prolonged pressure (3 sec) on key with the following menu appears:

Using keys and select icon O and confirm with O and the following menu appears:

S3-Clock
00:00:00
Sunday
00 / 00 / 00
Uedate

Using keys and select the data to be set (hour, minutes, seconds, day of

week, day, month, year) and confirm with

This operation accesses Edit Mode. The cursor indicates the label to be modified.

Using keys \square and \square , move the cursor on the value to be changed.

Using keys and set the wanted value: confirm with

Repeat the operation for all labels to be modified.

To exit select "update" and confirm with

6 **UNIT ON/OFF**

To turn on the unit press

To turn off the unit select the "On/Off" icon using keys and ward and confirm with

If fis present it means DI1 is open.

7 "COMFORT ECONOMY" SETTING

select icon or and confirm with Using keys is present, the unit is in comfort mode lf icon ,

If icon $\stackrel{\cong}{=}$ is present, the unit is in economy mode Feature present only with unit On.

OPERATION MODE SETTING 8

and select icon 🔅 or 🤐 or 🏂 and confirm with OK Using keys to change mode

- If icon 😒 is present, the unit is in cooling mode only
- If icon 💥 is present, the unit is in heating mode only
- is present the unit is in automatic mode (mode change from adjust-If icon / ment probe).

Feature present only with unit On.

T °C SETTING 9

and confirm with OK and the Using keys and 🚽 select icon 💳 following menu appears:



Using keys and select the set to be set (hot in comfort, hot in economy, cold in comfort, cold in economy) and confirm with

This operation accesses Edit Mode.

The cursor indicates the label to be modified.



Using keys set the wanted value. and

Confirm with OK

Repeat the operation for all labels to be modified.

To exit select each and confirm with



Always respect: hot economy set < hot comfort set < cold comfort set < cold economy set

Feature present only with unit On.

10 **RH% SETTING**

and confirm with OK and the Using keys and select icon following menu appears:



Using keys and select the set to be set (hot humidity in comfort, hot humidity in economy, cold humidity in comfort, cold humidity in economy) and

confirm with This operation accesses Edit Mode.

The cursor indicates the label to be modified.

Using keys and , move the cursor on the value to be changed. and 🔛 set the wanted value. Using kevs Confirm with Repeat the operation for all labels to be modified. To exit select 🚧 and confirm with 🖳

Feature present only with unit On.

11 **CO2 AIR QUALITY SETTING**

With prolonged pressure (3 sec) on key the following menu appears:





	S4-S	tatus	& Set	∘oint	
	In	Out	Re9		
	Set	O⊨t		ţ	
Using keys and select icon and confirm with OK. Using keys and select the CO ₂ ppm set and confirm with OK. This operation accesses Edit Mode. The cursor indicates the label to be modified. Using keys and move the cursor on the value to be changed. Using keys and move the cursor on the value to be changed. Using keys and move the wanted value: confirm with OK. With prolonged pressure (3 sec) on key move will return to previous menu. To exit, select and confirm with move until the main screen appears again. Feature present with Unit On and Off.					

VOC AIR QUALITY SETTING 12

With prolonged pressure (3 sec) on key the following menu appears:



and select icon and confirm with OK and the follow-Using keys ing menu appears:



"NIGHT" FUNCTION SETTING 13

Using keys and select icon C and confirm with OK
If the box next to the icon is ticked, the "Night" mode is active.
Feature present only with unit On.

14 SETTING OF FAN SPEED WITH CONTROL CMF - CCO2 - CVOC - CPOCO2 - CPOVOC

With prolonged pressure (3 sec) on key 💷 the following menu appears: <u>seteoint</u> Outlet Inlet 0% 0% 0% 0% Using keys and select the set to be set (comfort return fan, economy

return fan, comfort flow fan, economy flow fan) and confirm with This operation accesses Edit Mode.

The cursor indicates the label to be modified.

Using keys \blacksquare and \blacksquare , move the cursor on the value to be changed.

set the wanted value; confirm with OK Using keys and Repeat the operation for all labels to be modified.

To exit select **e** and confirm with **O**K. Feature present only with unit On.

15 FAN FLOW RATE WITH CPOC CONTROL SETTING

With prolonged pressure (3 sec) on key ${igstyle{\mathbb N}}$ the following menu appears:
50 ♪ <u>**</u> © <u>^</u> ♪ <u>**</u>
Using keys and select icon with and the follow- ing menu appears:
S4-Status & Setpoint
In Out Reg
Set Opt
Using keys and select icon set and confirm with OK.
Using keys and select the flow rate set (auto flow, auto eco flow, auto
return, auto eco return) and confirm with OCC. This operation accesses Edit Mode. The cursor indicates the label to be modified.
Using keys and , move the cursor on the value to be changed.
Using keys $$ and $$ set the wanted value; confirm with $$.
With prolonged pressure (3 sec) on key and you will return to previous menu.
To exit, select e and confirm with O and O ff

16 FAN PRESSURE WITH CPRC CONTROL SETTING

With prolonged pressure (3 sec) on key the following menu appears:



Using keys and	select icon RH	and confirm with	OK and the follow-
ing menu appears:			

	S4-S	tatus	& Seti	point
	In	Out	Re9	
	Set	0pt		<u></u>
Using keys	$\approx_{and} \approx$	select icon	and confir	m with OK.

Using keys and select the pressure set (auto now, auto eco now, auto
return, auto eco return) and confirm with Mana.
Using keys \approx and \approx select icon set and confirm with OK.
Using keys and select the flow rate set (auto flow, auto eco flow, auto
OK
return, auto eco return) and confirm with 🖾 🕰 .
This operation accesses Edit Mode.
The cursor indicates the label to be modified.
Using keys 🔜 and 🗹, move the cursor on the value to be changed.

kevs

Using keys and set the wanted value; confirm with OK. Repeat the operation for all labels to be modified.

With prolonged pressure (3 sec) on key you will return to previous menu.

To exit, select **and** confirm with **OK** until the main screen appears again. Feature present with Unit On and Off.

17 ALARM PRESENCE

With LED (Red) (A): — Permanent: alarm present and not resettable — Flashing: alarm present and resettable Using keys and select icon and confirm with OK to display alarm. If resettable alarms are present, keep or pressed to restart the unit. Feature present with Unit On and Off.

18 LIST OF ALARMS

Code	Meaning	Problem
E01	Expansion communication	 No connection between controller and expansion;
EUT		No expansion power supply.
E14	Adjustment probe (return or flow)	Probe faulty or disconnected
E03	External temperature probe	Probe faulty or disconnected
E04	Return temperature probe	Probe faulty or disconnected
E05	Flow temperature probe	Probe faulty or disconnected
E24	Ejection probe	Probe faulty or disconnected
E29	Hot coil water temperature probe	Probe faulty or disconnected
E30	Promiscuous or cold coil water temperature probe	Probe faulty or disconnected
E18	Antifreeze probe	Probe faulty or disconnected
E12	Humidity probe	Probe faulty or disconnected
E20	Air quality probe (Voc or CO ₂)	Probe faulty or disconnected
E08	Return pressure probe	Probe faulty or disconnected
E09	Flow pressure probe	Probe faulty or disconnected
	· _ ·	No motor power supply;
E06	Recovery fan	Fan motor alarm connection faulty or disconnected;
	<i>,</i>	Faulty motor.
		No motor power supply;
E07	Delivery fan	Fan motor alarm connection faulty or disconnected;
		Faulty motor.
F1F		No motor power supply;
EIS	Air flow from return pressure probe	Faulty motor.
E16	Air flow from flow processo probo	 No motor power supply;
EIO	Air now from now pressure probe	Faulty motor.
E 27	Air flow from roturn process quitch	 No motor power supply;
L2/	All now nonnietani pressure switch	Faulty motor.
E 28	Air flow from flow prossure switch	 No motor power supply;
L20	All now norm now pressure switch	Faulty motor.
E10	Dirty filters	Filters to be cleaned
E13	Fire/Smoke	
E17	Recovery unit antifreeze	
E19	Clock	
E21	Regolazione della ventola	Fan adjustment probe (pressure or VOC or CO ₂) failure
E22	Promiscuous coil	
E22	Promissuous or hot coil antifraga	 Frost temperature risk at coil output;
	Fromscuous of not con antineeze	Thermostat faulty or disconnected.
E25	Humidifier	Faulty humidifier
E02		Automatic thermostat active;
	Antifreeze/pre-heat electric coil circuit breaker	 Manual thermostat active;
		Thermostat faulty or disconnected.
		Automatic thermostat active;
E26	Post-heating electric coil circuit breaker	Manual thermostat active;
		Thermostat faulty or disconnected.
E31	Low hot coil water temperature	No hot water for heating
F32	High cold coil water temperature	No cold water for cooling

19 ALARM HISTORY



20 TEMP. TIMER

With prolonged pressure (3 sec) on key the following menu appears:





- 1 Daily program
- 2 Save without exiting
- 3 Save
- 4 Daily events On/Off
- 5 Long period (holidays) events On/Off

Using keys and select the setting to be modified and confirm with OK. This operation accesses Edit Mode.

The cursor indicates the label to be modified.

Using keys and , move the cursor on the value to be changed.

Using keys and set the wanted value; confirm with OK.

Repeat the operation for all labels to be modified.

The changes are applied with the "save" key while + exits without saving. Feature present with Unit On and Off.

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