

USER MANUAL

UPS READY



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INTERFACE UPS READY

SUMMARY

- 1 DEAR CUSTOMER2**
 - 1.1 REVISIONS TO THE PUBLICATION2
 - 1.2 CARE OF THE MANUAL AND HOW TO CONSULT IT2
- 2 SAFETY REQUIREMENTS3**
- 3 SPARE PARTS3**
- 4 DISPOSAL OF MATERIALS3**
 - 4.1 WARNINGS FOR THE CORRECT DISPOSAL OF THE PRODUCT.....3
 - 4.2 INFORMATION FOR MANAGEMENT OF ELECTRIC AND ELECTRONIC APPLIANCE WASTE CONTAINING BATTERIES OR ACCUMULATORS4
 - 4.3 INSTRUCTIONS FOR PACKAGING DISPOSAL .4
- 5 USE5**
- 6 DEVICE OPERATION5**
- 7 UPS READY CONNECTION5**
- 8 ENABLE UPS READY INTERFACE.....6**
- 9 POWER SUPPLY FAILURE7**
- 10 MANAGEMENT SAFETY DEVICES7**

1 DEAR CUSTOMER

Dear Customer,

Our products are designed and manufactured in accordance with standards in force, with high quality materials and using our extensive experience in the transformation processes.

To get the best performance, we suggest you read the instructions in this manual carefully.

This installation guide is an integral part of the product: ensure that the manual is always supplied with the appliance, even if it changes owner. If the manual is lost, you can request another copy from the local Technical Dept. or download it directly from the company's website.

All local regulations, including those referring to national and European standards, must be observed when installing the appliance.

2014/35/EU (LVD - Low Voltage directive)

2014/30/EU (EMC - Electromagnetic Compatibility directive)

2011/65/EU (RoHS)

The manufacturer will not be held liable if the above information is ignored.

1.1 REVISIONS TO THE PUBLICATION

The content of this manual is strictly technical and the property of CADEL S.r.l.

No part of this manual may be translated into other languages, adapted and/or reproduced, even in part, in other mechanical and/or electronic form or media, for photocopies, recordings or other, without the prior written authorisation of CADEL S.r.l.

The company reserves the right to make changes to the product at any time without prior notice. The owner company reserves its rights according to law.

1.2 CARE OF THE MANUAL AND HOW TO CONSULT IT

- Take care of this manual and store it in an easily and quickly accessible place.
- Should this manual be lost or destroyed, request a copy from your retailer or directly from the authorised Technical assistance department. It can also be downloaded from the company's website.
- **“Bold text”** requires special attention.



2 SAFETY REQUIREMENTS

- Installation, electrical connection, functional verification and maintenance must only be performed by qualified or authorised personnel.
- Live electrical parts: disconnect the product from the 230V power supply before performing any maintenance operation. Only power the product after completing assembly.
- Special maintenance must only be performed by authorised and qualified personnel.
- All local regulations, including those referring to national European standards, must be respected during appliance installation.
- The manufacturer declines any responsibility in case of installation which are not in compliance with current regulations, in case of a wrong room ventilation system, in case of an electric connection which is not in compliance with regulations and in case of a wrong use of the appliance.
- The electrical cable must not get in touch with the fume exhaust pipe and nor with every other part of the stove.
- Children must be constantly overseen in order to assure that they do not play with the appliance.

3 SPARE PARTS

For each repair or adjustment which should be necessary, please contact the dealer where you purchased your stove or your nearest Technical Assistance Service, specifying:

- Appliance model
- Serial number
- Type of problem

Use only original spare parts which you can find at our Technical Assistance Services.

4 DISPOSAL OF MATERIALS

4.1 WARNINGS FOR THE CORRECT DISPOSAL OF THE PRODUCT

The owner is the sole party responsible for demolishing and disposing of the product. This must be performed in compliance with laws related to safety and environmental protection in force in his/her country.

At the end of its working life, the product must not be disposed of as urban waste.

It must be taken to a special differentiated waste collection centre set up by the local authorities or to a retailer that provides this service. Separating and recycling prevents potential negative effects on the environment and health (often caused by inappropriately disposing of product parts). It also allows materials to be recovered in order to obtain significant savings in energy and resources.

More specifically, the electric and electronic components must be separated and disposed of in authorised centres, in compliance with the WEEE directive 2012/19/EU and the relative national transpositions.

4.2 INFORMATION FOR MANAGEMENT OF ELECTRIC AND ELECTRONIC APPLIANCE WASTE CONTAINING BATTERIES OR ACCUMULATORS

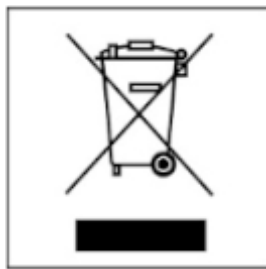


Fig. 1 - Waste disposal

This symbol, which is used on the product, batteries, accumulators or on the packaging or documents, means that at the end of its useful life, this product, the batteries and the accumulators included must not be collected, recycled or disposed of together with domestic waste.

Improper management of electric or electronic waste or batteries or accumulators can lead to the leakage of hazardous substances contained in the product. For the purpose of preventing damage to health or the environment, users are kindly asked to separate this equipment and/or batteries or accumulators included from other types of waste and to arrange for disposal by the municipal waste service. It is possible to ask your local dealer to collect the waste electric or electronic appliance under the conditions and following the methods provided by national laws transposing the Directive WEEE 2012/19/EU.






Separate waste collection and recycling of unused electric and electronic equipment, batteries and accumulators helps to save natural resources and to guarantee that this waste is processed in a manner that is safe for health and the environment.





For more information about how to collect electric and electronic equipment and appliances, batteries and accumulators, please contact your local Council or Public Authority competent to issue the relevant permits.

4.3 INSTRUCTIONS FOR PACKAGING DISPOSAL

The material that the appliance's packaging is made of must be managed correctly, in order to make collection, reuse, recovery and recycling easier, where possible.

The table below illustrates the possible components that the packaging is made of, and the relative instructions for correct disposal.

DESCRIPTION	CODE MATERIAL	SYMBOL	DIRECTIONS FOR COLLECTION
- WOOD BED - WOOD CAGE - WOOD PALLET	WOOD FOR 50		SORTED waste collection WOOD Check with the competent body on how to dispose of this packaging at the recycling depot
- CARDBOARD BOX - CARDBOARD CORNER - CARDBOARD SHEET	CORRUGATED CARDBOARD PAP 20		SORTED waste collection PAPER Check the instructions of the competent body
- CARDBOARD CORNER	NOT CORRUGATED CARDBOARD PAP 21		SORTED waste collection PAPER Check the instructions of the competent body
- LABELS - INSTRUCTION MANUAL	PAPER PAP 22		SORTED waste collection PAPER Check the instructions of the competent body
- APPLIANCE BAG	POLYETHYLENE HD-PE 2		SORTED waste collection PLASTIC Check the instructions of the competent body

DESCRIPTION	CODE MATERIAL	SYMBOL	DIRECTIONS FOR COLLECTION
- APPLIANCE BAG - BAG OF ACCESSORIES - BUBBLE WRAP - PROTECTIVE SHEET - LABELS	POLYETHYLENE LD PE 04		SORTED waste collection PLASTIC Check the instructions of the competent body
- POLYSTYRENE - FOAM PEANUTS	POLYSTYRENE PS 6		SORTED waste collection PLASTIC Check the instructions of the competent body
- STRAP - TAPE	POLYPROPYLENE PP 5		SORTED waste collection PLASTIC Check the instructions of the competent body.
- SCREWS - STAPLES FOR STRAP - FASTENING BRACKET	IRON FE 40		SORTED waste collection METAL Check with the competent body on how to dispose of this packaging at the recycling depot

5 USE

UPS Ready is an interface placed before the external UPS module (battery*) that communicates with the stove in the event of an imminent power failure.

* external UPS module (battery*) NOT supplied by the manufacturer

6 DEVICE OPERATION

- The interface allows the heater to communicate with any type of pure sine wave UPS.
- It feeds directly from the mains.
- In the event of a power failure from the mains, it signals to the user that it is using the voltage supplied by the UPS battery.
- It keeps the stove running for a time that can be set by the technician and/or user.
- It accompanies the stove to shutdown safely.



WARNING : in order to guarantee the correct operation of the stove, THE UPS MUST HAVE A PURE SINE WAVE.

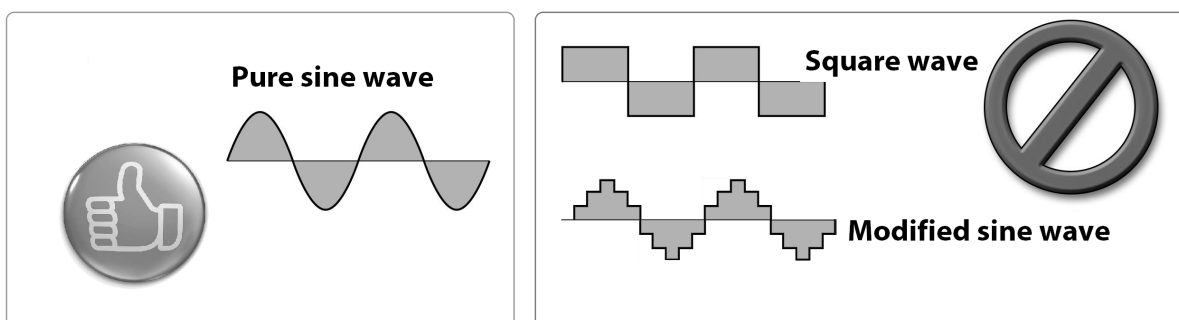


Fig. 2 -

7 UPS READY CONNECTION

How to connect the UPS Ready interface to the stove and to the home network:

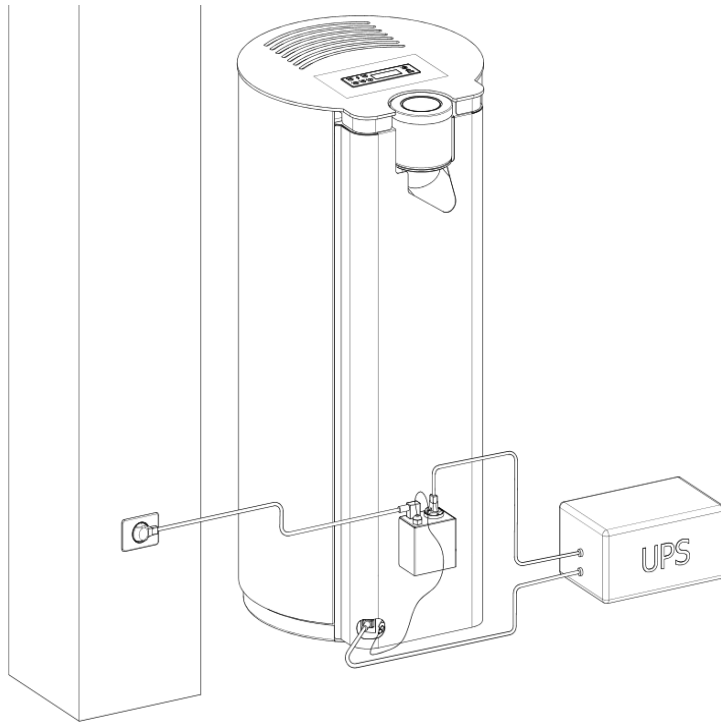


Fig. 3 - .

8 ENABLE UPS READY INTERFACE

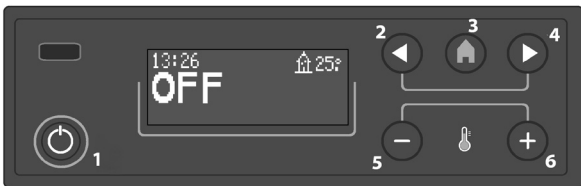


Fig. 4 - Stove off.

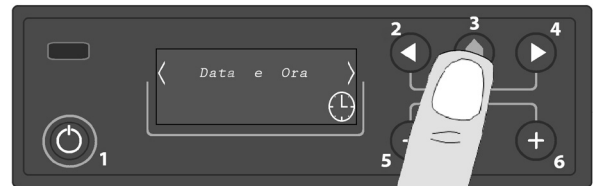


Fig. 5 - From the initial state, press key 3 to enter the menu.

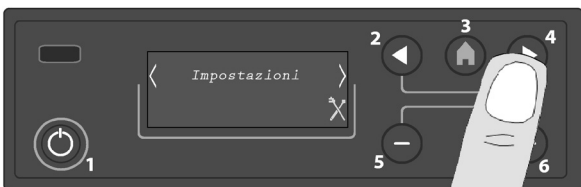


Fig. 6 - Scroll with key 4 until 'Settings' appears.

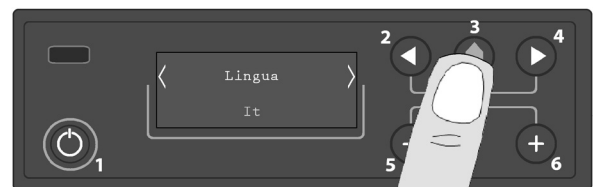


Fig. 7 - Confirm with key 3 to enter the settings submenu.

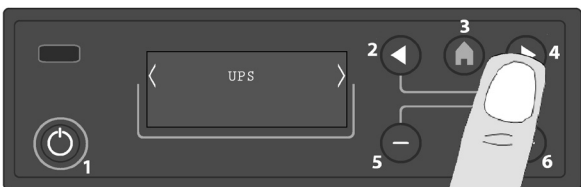


Fig. 8 - Scroll to the UPS menu using key 4.

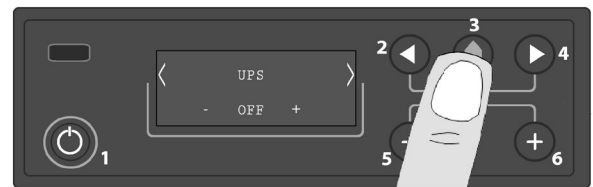


Fig. 9 - Confirm with the 3 key.

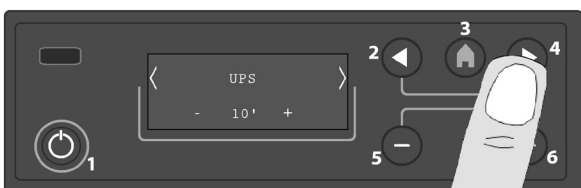


Fig. 10 - Use key 4 to determine the desired flame maintenance minutes.

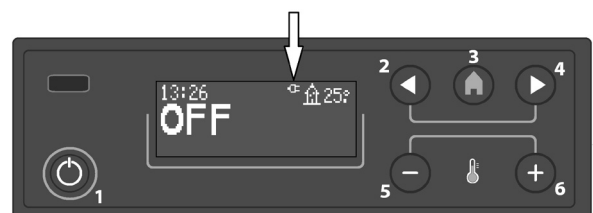


Fig. 11 - The "plug" symbol will now appear, UPS active.

The value to be set will be chosen according to the power of the UPS in the user's possession.
 With the UPS interface enabled and power supply from the home network, the symbol of a 'PLUG' will appear.
 Below is the reference table for the choice of time and its correct setting.

RATED VOLTAGE	12V	24V	24V	36V
POWER MAX	300W – 500VA	800W – 1000VA	1200W – 1500VA	1600W – 2000VA
BATTERY CAPACITY	1 battery 12V 7AH	2 batteries 12V/7AH	2 batteries 12V/9AH	3 batteries 12V/9AH
TIME TO BE SET*	MAX 5 min	MAX 10-15 min	MAX 40-45 min	MAX 60-70 min



* The value expressed in minutes is a maximum value tested with new batteries and serves as a reference for preliminary calibration. It is recommended to test the battery life with the support of an authorised technician to assess the actual battery life.
Battery decay is subject to ageing, so this battery check should be done at least once a year.

9 POWER SUPPLY FAILURE

In the event of a power failure, with the stove powered by a UPS module, a 'BATTERY' symbol will appear. There will be an alternating display backlight to draw the user's attention.

The board will start the previously set maintenance timer (**ENABLE UPS READY INTERFACE a pag. 14**), bringing the stove's power down to a minimum, thus consuming less power.

If during this time the power from the domestic line returns, the stove will switch back on; otherwise, after this time has expired, it will switch off.

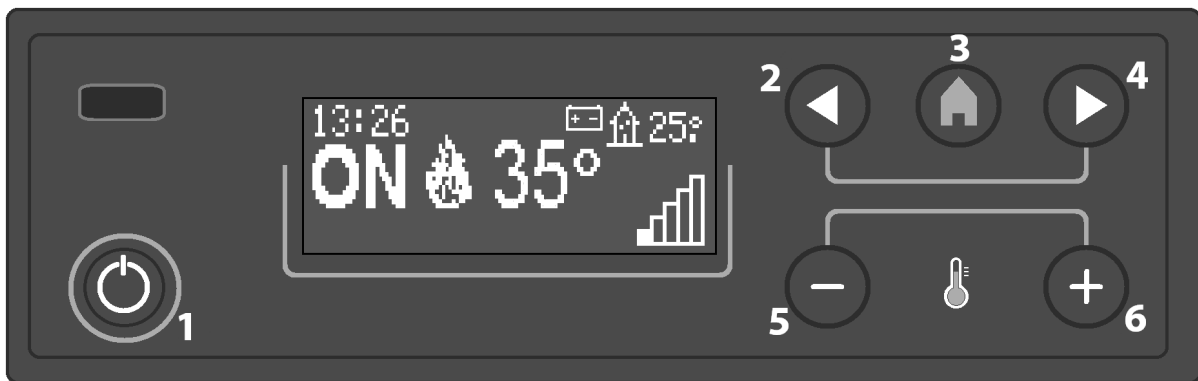


Fig. 12 -.

10 MANAGEMENT SAFETY DEVICES

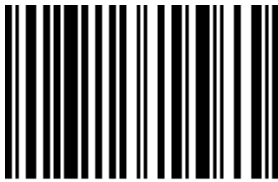
When the stove is in the OFF state but powered by the UPS module, the power on command will be blocked, because the ignition phase requires a lot of energy from the glow plug (300W) and the UPS module could, during this phase, run out of charge.

The flame maintenance time depends on a mandatory battery charging time. In order to have 4 continuous hours of power supply from the home line, you will have to have enabled the flame maintenance timer. This is to ensure that the battery is fully charged.

If there is a series of power failures within a short time, the sum of the power failures will be subtracted from the time set in the Maintenance Timer.

E.g. the Maintenance Timer was set to 10 minutes. The power goes out for 6 minutes and then comes back on. These 6 minutes will be subtracted from the Maintenance Timer. Shortly afterwards there is another black-out, the maintenance timer starts but not from the 10 minutes set but from the remaining 4 minutes of the previous count. If we use the full 10 minutes of the timer and there is a third power failure, the stove will immediately go into shutdown without any maintenance time.

To recharge the maintenance timer, the stove will check that there are 4 hours of continuous recharging to return to the set total of 10 minutes.



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