

ducasa

M-28 Downflow



***Operating and Installation Instructions
(Read these instructions carefully and retain for future
reference)***

NOTE:

A qualified electrician must carry out the electrical installation of this product. The Electrical installation must comply with the current UK regulations. Any claim on the warranty could be invalid if these requirements have not been met.

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1. INTRODUCTION

- Before using your new heater, please carefully read through the following instructions. KEEP THIS BOOKLET IN A SAFE PLACE SO THAT YOU MAY REFER TO IT IN THE FUTURE.
- After removing the packaging, make sure that the heater is in good condition.
- Dispose of the packaging according to local guidelines if no longer needed.

2. IMPORTANT SAFETY INFORMATION

1. The heater should be mounted on the wall so that the air outlet is facing downwards. You must not install it vertically and it must be mounted level.
Do not store or use any flammable materials or sprays in the vicinity of the heater. Do not cover the air outlet and inlet vents.
2. If the electricity cable gets damaged it must only be replaced by a technician appointed by the supplier. This will avoid possible risks and ensure that special tools are available if needed.
3. The heater must not be located immediately below an electrical socket.
5. If the heater is not being used or you are repairing the heater, ensure that the heater is disconnected from the power supply.
6. Do not touch the heater with wet hands.
7. If the motor is not working properly, stop it immediately and notify the supplier.
8. While using the heater, do not leave the door or window open otherwise it will influence the heating effect.
9. When you turn off the heater, the fan will remain on for 30 seconds to allow the heater to cool down. After this time the heater will shut down.
10. Using the remote you can set the programme.
11. The remote control will only function with CR2025 batteries.
12. At the end of the heater's working life, the remote battery must be removed before it is disposed of.
13. All batteries must be disposed of following local guidelines.
14. The heater must be installed at least 2m above the floor.
15. In case of breakdown or damage turn off the appliance at the main On/Off switch and notify the supplier.
16. This appliance is not intended to be used by persons (incl. children) with limited physical, sensory or mental capabilities, or who lack experience, except for those under supervision or who have received instruction in the use of the appliance from a person responsible for their security.
17. Children must be supervised in order to ensure that they do not play with the appliance.
18. **CAUTION** —some parts of this product can become very hot and cause burns. Particular attention has to be given where children and vulnerable people are present.

3. SPECIFICATIONS

Model names	Voltage	Power
M-28 Downflow	AC220-240V 50/60Hz	2000W

4. INSTALLING THE DEVICE

Electrical Connection

A qualified electrician must carry out the electrical installation of this heater. The electrical installation must comply with the current UK regulations. Any claim on the warranty will be invalid if these requirements have not been met.

The radiator requires a 220/240V 50/60Hz power supply.

Connecting wires:

Brown: Live

Blue: Neutral

The power supply must comply with the current regulations for the power rating of the product.

The apparatus must be connected into a fused connecting box with an appropriate sized fuse for the heater.

We recommend that the connecting box is positioned 10cm to the right of the product. According to regulations, the product must be connected to the power supply by means of an all-pole circuit breaker with a contact gap of at least 3mm or by a thermal-magnetic circuit breaker.

Location of The Heater

In bathrooms, the heater must not be sited inside the protected area.

The heater switches must not be reachable, directly or indirectly, by a person in the bath or shower.

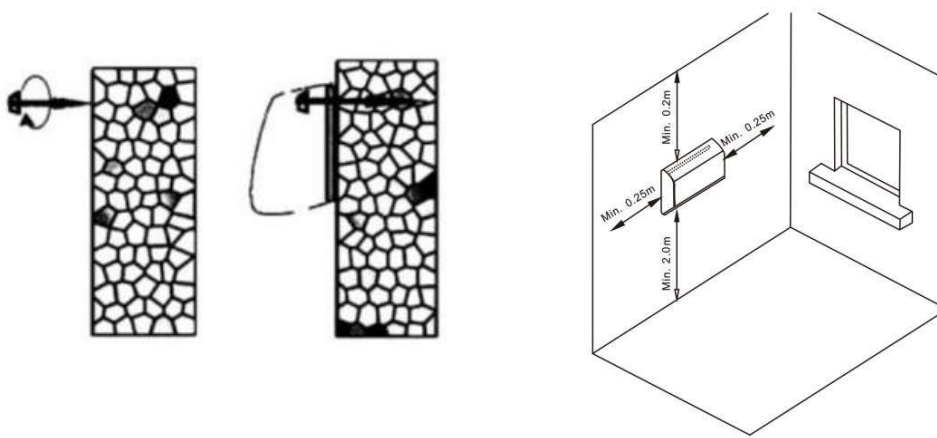
The heater, under no circumstances, should be installed directly below an electric power point.

Mounting The Heater

- **Important!** Make sure that there are no electric cables or other installations (for example water pipes) are located near the drill holes. Make sure that the heater is fitted securely and is mounted horizontally with the air outlet facing downwards.

The product should be fitted with 2 screws, allowing a minimum of 25cm of unobstructed space either side of the heater.

Ensure that there is a minimum of 20cm of unobstructed space above the heater.



5. OPERATING INSTRUCTIONS

NOTE: Some of the heater's functions can only be accessed using the remote included with the heater.

Switching ON (Master Switch)

Once the heater has been mounted on the wall and correctly connected to the main electricity power supply, press the master On-Off switch at the back of the heater on the right hand side.

With the switch in the On position, the flush part will be at the top of the switch.

NOTE: If the power is interrupted for any reason, when the power is restored the heater will be in standby and the clock will be reset and all selected functions will default to off. Your temperature and program will be retained.

6. INITIAL SETUP

Setting the time

Before operating the heater you must set the date and time.

To do this press the "LOCK" button on the remote control until the LED display shows 00:00 and the "Mo" icon. Then follow the steps below:


1. Press the "Set" button and the "Mo" icon will begin to flash.
Use the + or - button to scroll through to the correct day. (Mo=Monday...Su=Sunday etc.) then press "Set"
2. The hour part of the time will start to flash.
Using the + or - button set the current hour and then press "Set"
3. The minute part of the time will start to flash.
Using the + or - button set the current minutes and then press "Set"

NOTE: Once the "Set" button has been pressed, you have 5 seconds to input your choice and press "Set" to move to the next option, otherwise the heater will return to standby. If the heater is switched off at the mains, the day and time will be lost.



Selection of The Mode

This function is only accessible using the remote control.

NOTE: Pressing the On/Off button located on the rear of the heater underneath the master

On/Off switch will cycle the heater between standby and  (2000w) mode which is explained below.

With each press of the “MODE” button you cycle between the 3 modes listed below:

- No symbol = The heater will blow room temperature air using the internal fan unit
-  (1000w) = The heater will blow warm air using the 1000w element
-  (2000w) = The heater will blow hot air using the 2000w element

7. 24H COUNTDOWN TIMER

This function is only accessible using the remote control.

This function can be used to put the heater into standby mode after a user defined period of hours (Up to 24 hours)

To set this function press the “24H” button and when 00:00 is shown on the display, press the “24H” button to increase the duration of the timer in 1 hour increments.

To cancel the timer you will need to re-enter the 24H function and set the countdown timer to 00:00

While this function is active the heater can be used normally.

NOTE: If you use the remote to select the standby function then the countdown timer will be cancelled.

8. STANDBY

This function is only accessible using the remote control.

With each press of the “ON/OFF” button you cycle the heater between the currently selected mode of operation and standby.

In standby mode the heater will not heat and the power icon will be shown on the display.

If the heater has been heating the fan will run for 30 seconds to cool the heater down. While this is happening the power icon on the heater will flash.

When the fan stops the outlet vent flap will close and the power icon will stay illuminated.

NOTE:



- If the heater is put into standby mode, the swing and open window functions will be turned off when the heater is next changed from standby mode.
- If the heater is in program mode before being put into standby, when it's turned on it will be in manual mode.

9. MANUAL OPERATION

This function is only accessible using the remote control.

To adjust the set temperature, use the + or - buttons to set the desired temperature from 10°C to 49°C.

The heater will heat the room following the protocol below:

- When the room temperature is equal to or above the set temperature, the heater will blow room temperature air.
- When the room temperature is 2 degrees below the set temperature, the heater will use the  (1000w) setting.
- When the room temperature is 4 degrees below the set temperature, the heater will use the  (2000w) setting.

If the heater is set to Standby, when it is next turned on you will need to press the “MODE” button and select either the 1000w or 2000w setting to get it to heat.

NOTE:

- When the set temperature is reached, the heater will continue to circulate room temperature air and the fan will still be active. **This is not a fault with the heater!**
- If the room temperature is greater than the set temperature and either 1000w or 2000w is selected, by pressing the “MODE” button the heater will continue to heat indefinitely as a boost.

10. PROGRAMME FUNCTION

This function is only accessible using the remote control.

This function will allow you to set a 7 day week programme with each day having a single on off period per day.

Ensure that the heater is not in standby mode and press the “W-Timer” button, then follow the steps below:

1. When the “Mo” icon appears and starts flashing, press the “W-Timer” button.
2. Select the hour for the on period using the + or – buttons. Then press the “W-Timer” button.
3. Select the minutes for the on period using the + or – buttons. Then press the “W-Timer” button.
4. Select the hour for the off period using the + or – buttons. Then press the “W-Timer” button.
5. Select the minutes for the off period using the + or – buttons. Then press the “W-Timer” button.
6. The “Tu” icon will now be flashing, Press the “W-Timer” button and repeat steps 2 to 5. Then repeat this process for the rest of the week.
7. Once you have programmed Sunday’s off period press the “W-Timer” button to run the programme. “W” will now be shown at bottom of the display.
8. Press the “Delay” button to set the temperature for the on period for Monday using the +

and – buttons, then press the “Delay” button to move to Tuesday.

Repeat this process for the rest of the week.

9. Once you have set Sunday's on temperature and pressed the “Delay” button your programme will be set and running.

NOTE:


- When the heater reaches the programmed off time, the heater will be programmed as off and will not heat. This cannot be changed.
- Once the “W-Timer” button has been pressed, you have 5 seconds to input your choice and press the “W-Timer” button to move to the next option, otherwise the heater will return to the previously used mode.
- Press the “W-Timer” button once and after 5 seconds the heater will return to the programme set previously.
- To run the heater at a time outside of the programme, you will need to press “W-Timer” to enter manual operation.

11. OPEN WINDOW DETECTION

This function is only accessible using the remote control.

In order to save energy, if a window opens and causes a sudden drop in temperature the heater will stop heating.



When activated the  symbol is shown on the display. By default this function is deactivated. To change the status of the function, press the "AUTO" button.

To deactivate this function press the "AUTO" button on the remote again.

When activated if the heater detects a temperature drop of 3°C or greater within a minute while it is heating, it will turn off and go to the standby screen.

NOTE: If Open Window Detection engages, you will manually have to take the heater off standby and re-engage Open Window Detection.

12. SWING FUNCTION

This function is only accessible using the remote control.

Activating this function will allow the flap located below the air outlet of the heater to oscillate aiding in the circulation of air.

Each press of the "Swing" button turns this function on or off.

13. CHILD-LOCK FUNCTION

This function is only accessible using the remote control.

When activated the display will only show the power icon and cannot be altered with the remote.

To activate this function, press the "LOCK" button on the remote. To cancel this function press the "LOCK" button again.

14. BOOST FUNCTION

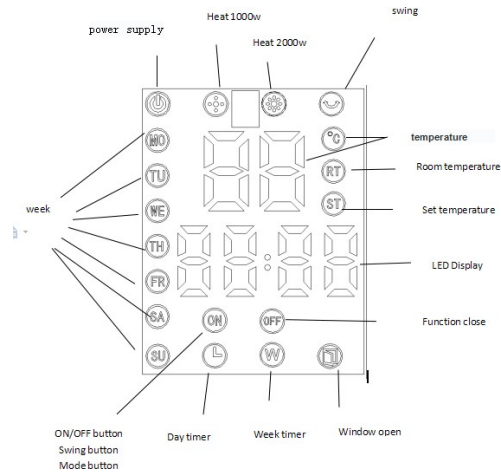
This function is only accessible using the remote control.

When activated the heater will heat continuously, regardless of the current temperature.

This function is activated when either of the following is achieved:

1. If the room temperature is greater than the set temperature and either 1000w or 2000w is selected by pressing the "MODE" button.
2. If the room temperature and the set temperature are the same and either 1000w or 2000w is selected by pressing the "MODE" button.



15. CONTROL PANEL VIEW



16. REMOTE CONTROL VIEW

Only use lithium CR2025 3V batteries with the remote control.
The remote control buttons do the following:



1. **“ON/OFF”** Cycles the heater between standby or the currently selected mode of operation
2. **“24H”** Sets a countdown timer from 1 to 24 hours.
3. **“Mode”** Cycles the mode of operation between fan only/  1000w and  2000w. It also sets Boost in certain situations.
4. **“Swing”** Each press cycles flap oscillation setting on or off.
5. **“LOCK”** Child-Lock function for the heater
6. **“AUTO”** Open Window Detection setting
7. **“Delay”** Used in conjunction with other modes
8. **“W-Timer”** Create, modify and resume the 7 day program.
9. **“+”** Increase
10. **“-”** Decrease
11. **“Set”** Modify the day of the week and time

17. OVERHEAT PROTECTION

This heater is protected with an overheat protection failsafe that switches the heater off automatically if it senses that it is about to overheat.

An example of this would be due to total or partial obstruction of the inlet vents.

In this scenario, disconnect the mains power to the heater and wait 30 seconds for it to cool down. Once the heater has cooled down, remove any obstruction from the inlet vents.

Switch it back on as described earlier in the manual.

After the heater has been switched on, the heater will operate normally. If the problem persists, please contact your supplier for assistance.

18. CLEANING & MAINTENANCE

Before undertaking any cleaning or maintenance on the heater, disconnect it from the power supply.

For cleaning it is recommended to use a soft moist rag and neutral detergent. Do not use an abrasive cloth or substances which could affect the appearance of the heater.

Check that the hot air outlet and the inlet vents are free of dust and dirt.

During cleaning, be careful not to touch the heating elements.

In case of breakdown and/or poor functioning of the heater, disconnect the heater from the power supply and contact your supplier.

NOTE: As a result of continual improvements, the design and specification of the heater may differ slightly to the unit illustrated on the packaging.

19. MAINTENANCE AND CARE

Ducasa heaters require very little maintenance.

The surfaces of the heater must not be cleaned with an abrasive product or those containing granular substances. We recommend regular cleaning with PH neutral products.

In order to clean the heater, it is recommended that the electric power is switched off.

20. GUARANTEE

Your appliance is guaranteed for two years from the date of purchase – during this period we will repair or exchange, at our discretion, any faulty or defective parts providing the appliance has been used in accordance with the operating & installation instructions and has not been misused or mistreated in any way.

Any unauthorized repair or attempted repair will invalidate the guarantee. You may be asked to return the product to our workshop for inspection to establish whether the fault is covered under the guarantee.

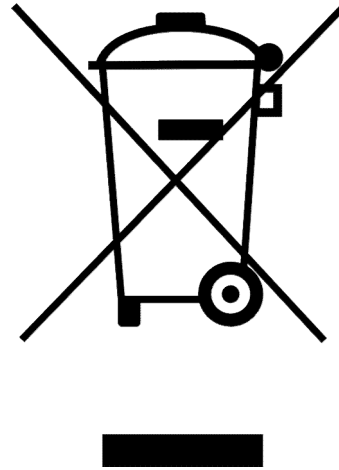
The guarantee is valid in the UK only.

This guarantee is additional to your statutory rights.

In the unlikely event of a problem with your appliance please contact your supplier.

Processing electrical and electronic equipment at the end of their service life (applicable in the EU and in countries with selective waste collection systems).

This symbol on your equipment or its packaging indicates that this product cannot be treated as normal domestic waste, and instead it must be delivered to the corresponding group that collects electric and electronic equipment. By making sure that this product is disposed of correctly, you are helping to prevent the negative consequences for the environment and human health that could be derived from handling this product incorrectly. Recycling materials helps to preserve natural resources. To receive detailed information about recycling this product, please, contact your Town Hall, nearest collection point or the distributor where you acquired the product.



UK Distributor of Ducasa Products:

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