

## SOME NOTIONS ON HUMIDITY

Air always contains a certain amount of water in the form of vapour. This determines the level of humidity in an atmosphere.

The capacity of the air to hold water vapour increases with temperature.

This is why in our homes, as soon as the temperature decreases, the vapour contained in the air condenses, as is evident on the colder surfaces in the room, such as the windows, walls etc.

The purpose of a dehumidifier is to remove the excess moisture from the air, avoiding the dama-

ge caused by condensation.

Experts have established that the optimum environmental conditions for our well being and for the home are obtained between 40% and 60% relative humidity.

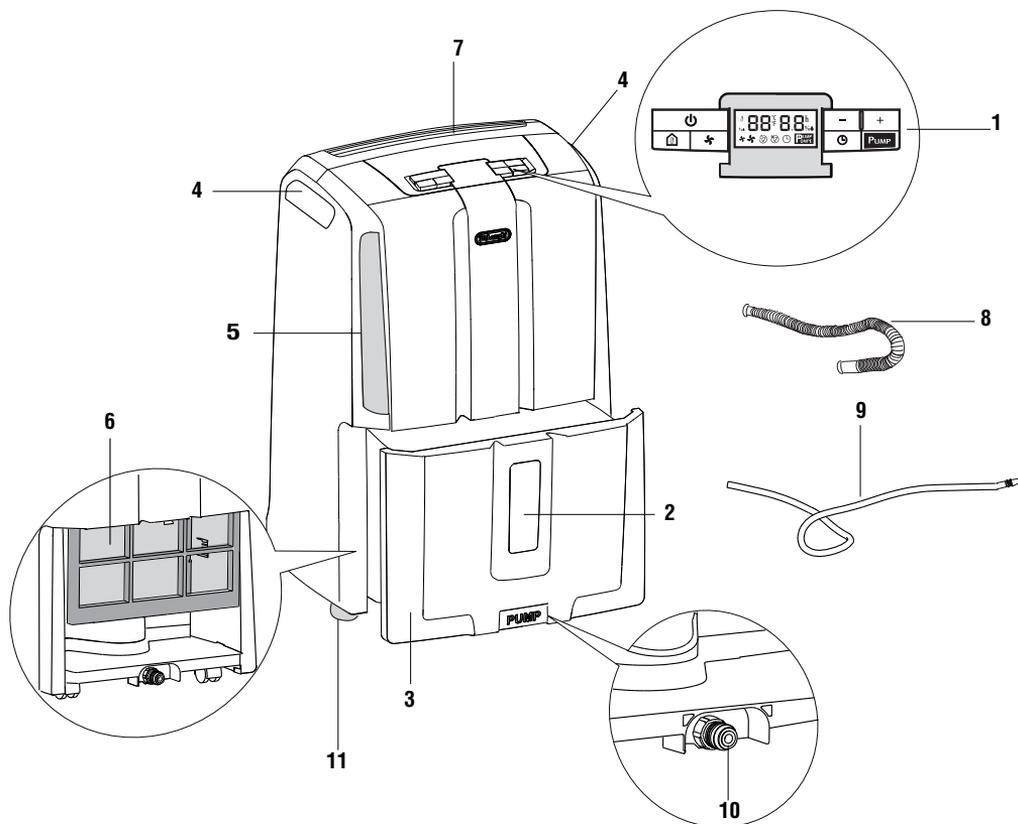
With very low temperatures, you are recommended to heat the room even minimally.

This considerably increases the dehumidifying power of the appliance.

With heating, the condensation formed by the water vapour on windows and other cold surfaces evaporates into the air to be collected by the dehumidifier. Air leaving the dehumidifier is usually warmer than room temperature.

## DESCRIPTION/ACCESSORIES

1. Control panel
2. Water level viewing window
3. Condensate collection tank
4. Lifting handles
5. Air intake grille
6. Air filter
7. Air outlet grille
8. Condensate drain hose to be inserted in the back of the appliance
9. Pump condensate drain hose to be inserted in the front of the appliance
10. Pump connector (remove cap before use)
11. Castors



## INTRODUCTION

Thank you for choosing a De'Longhi product. Take a couple of minutes to read these instructions.

This will avoid danger or damage to the appliance.

### Symbols used in these instructions

The symbols below draw your attention to important warnings.

It is vital to respect these warnings.

Failure to do so may result in electric shock, serious injury, burns, fire or damage to the appliance.



#### **Danger!**

Failure to observe the warning may result in life threatening injury by electric shock.



#### **Important!**

Failure to observe the warning may result in injury or damage to the appliance.



#### **N.B.:**

This symbol draws your attention to important recommendations and information.

### Problems and repairs

In the event of problems, first try and resolve them by reading the information given in the "Troubleshooting" section on page 17.

If the appliance requires repair, always contact a Service Centre authorised by the manufacturer.

Always insist on original spare parts. Repairs carried out by unauthorised personnel may be dangerous and invalidate the guarantee.

## IMPORTANT WARNINGS

### Fundamental safety warnings



**Danger!** This is an electrical appliance, it is therefore important to respect the following safety warnings:

- Do not touch the appliance with wet hands.
- Do not touch the plug with wet hands.
- Make sure the mains socket used is always

accessible, enabling you to unplug the appliance when necessary.

- Always unplug the appliance using the plug itself. Never pull the cable as it might be damaged.
- To disconnect the appliance completely from the electricity supply, you must unplug it from the mains socket.
- If the appliance malfunctions, do not attempt to repair it. Turn the appliance off, unplug from the mains socket and contact a Service Centre.
- Do not move the appliance by pulling the power cable.
- It is dangerous to modify or alter the characteristics of the appliance in any way.
- If the power cable is damaged, it must be replaced by the manufacturer or an authorised technical service centre in order to avoid all risk.
- Do not use extension leads.
- The appliance must be installed in accordance with the rules on household appliances in force in the country concerned.
- The appliance must be connected to an efficient earth installation. Have your electrical circuit checked by a qualified electrician.
- This appliance is not intended for use in the reclamation of commercial or residential property damaged by water.



**Danger!** Keep packaging materials (plastic bags, polystyrene foam) out of reach of children.



**Danger!** The appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Always supervise children. Make sure they do not play with the appliance.

## KEEP THESE INSTRUCTIONS FOR DOMESTIC USE ONLY

## Appropriate use

The appliance is designed and produced for domestic use only.

Use this appliance only as described in this instruction manual.

As with all electrical equipment, whilst the instructions aim to cover as many eventualities as possible.

caution and common sense should be applied when operating and installing this appliance.

## General safeguards

- Do not install the appliance in rooms containing gas, oil or sulphur. Do not install near sources of heat.
- Do not use the appliance on sloping surfaces.
- Keep the appliance at least 50 cm away from flammable substances (alcohol etc) or pressurised containers (e.g. aerosol cans).
- Do not rest heavy or hot objects on top of the appliance.
- Always transport the appliance upright or resting on one side.

Remember to drain the condensate tank before moving the appliance.

Wait at least 1 hour after transporting the appliance before starting it.

- The refrigerant gas R410A conforms to EC environmental regulations. Avoid perforating the refrigerant circuit of the appliance. **ENVIRONMENTAL INFORMATION:** This unit contains fluorinated greenhouse gases covered by the Kyoto Protocol.

Maintenance and disposal must be carried out by qualified personnel only (R410A, GWP=1975).

*\* Verify the type of refrigerant gas used in your appliance on the rating plate.*

- The materials used for packaging can be recycled. You are therefore recommended to dispose of them in special differentiated waste collection containers.
- Do not use the appliance outdoors.
- Do not obstruct the air intake or outlet.
- Do not use the appliance in laundry rooms.

## Instructions

Read these instructions carefully before installing and/or using the appliance.

- Keep these instructions carefully.  
If the appliance is transferred to other owners, they should also be given these instructions.

- Failure to respect the instructions may result in injury or damage to the appliance.  
The manufacturer is not liable for damage deriving from failure to follow these instructions.
- Keep the list of Service Centres and identify the Centre nearest you.

## Electrical connections

After moving the appliance, wait at least an hour before turning it on again.

Before plugging the appliance into the mains socket, check that:

- The mains power supply corresponds to the working voltage indicated on the rating plate.
- The power socket and electrical circuit are adequate for the appliance.
- The power socket matches the plug. If this is not the case, have the plug replaced by a qualified electrician;
- The mains socket is adequately earthed.

## INSTALLATION

Position the appliance in the room to be dehumidified.

A free space of at least 50 cm must be left at the front of the dehumidifier, so as not to block the air outlet.

For efficient ventilation a space of about 5-10 cm should be left at the back of the appliance.

The condensate can be drained in three ways:

### A) Draining into the tank

The condensate can be drained directly into the tank.

The tank can be easily removed (fig.1).

When the tank is full, remove and empty into a sink or bath, then put back correctly.

**Please note:** The tank must be positioned correctly. An intermittent beep means the tank is not correctly positioned.

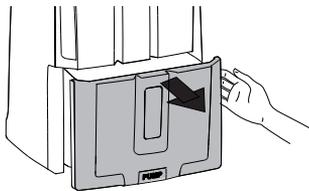


fig. 1

## B) Continuous external draining

If the appliance is to be operated for long periods but you are unable to empty the tank regularly, you are recommended to use the continuous drain facility.

- 1) Remove the protective cap **1** by turning it anti-clockwise then remove the rubber cap **2** from the spout (fig. 2).

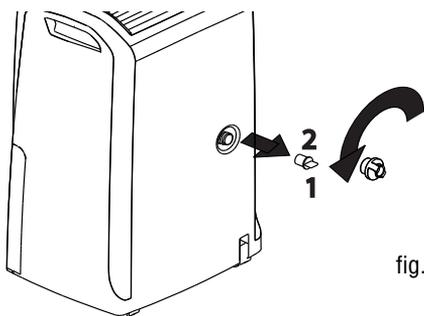


fig. 2

- 2) Insert the protective cap **1** on the condensate drain hose (8) as far as it will go (fig. 3), then screw the protective cap back onto the spout (fig. 4).

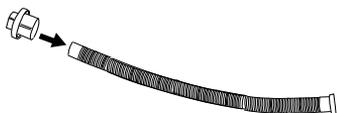


fig. 3

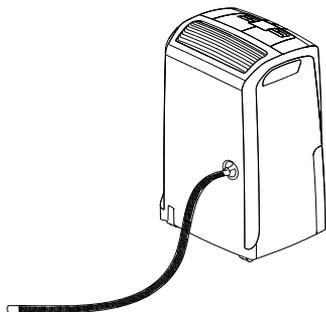


fig. 4

- 3) Make sure the end of the hose is no higher than the spout (fig. 5) or water could remain in the tank. Make sure there are no kinks in the hose.

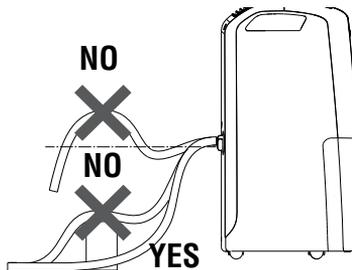


fig. 5



**Please note:** Keep the rubber cap to close the spout when the continuous drain function is not in use.

## C) Continuous drain with pump (certain models only)

Thanks to the exclusive condensate drain system, the hose (9) can be used to drain condensate with a difference in level of up to 4 m between the end of the hose and the outlet.

For pump assisted drainage, connect the hose provided (9) to the connection on the bottom of the appliance (fig. 6). Select the dehumidifying function and press the pump button.

**Please note:** If the condensate hose is not in place and the pump is enabled, the message PUMP will flash. To eliminate the problem:

- Check that the hose is correctly positioned
- Unplug the appliance from the mains and plug in again

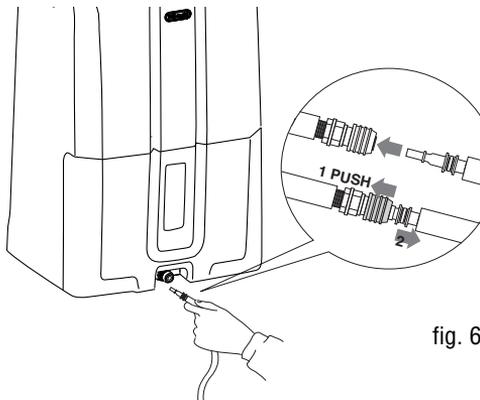
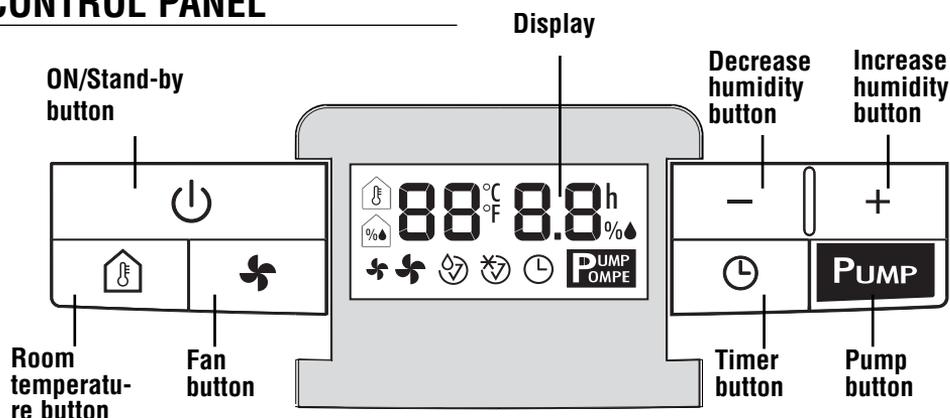


fig. 6

# CONTROL PANEL



## Description of the control panel

### "ON/Standby" button

Turns the appliance on and off.

### "Fan" button

Selects fan speed (MIN/MAX)

### Thermometer button

Temporarily displays the room temperature measured by the appliance.

Press once to display the temperature in °F. Press twice, to display °C. After a few seconds, the level of humidity measured in the room is displayed again.

**N.B.:** the measurements displayed are indicative only.

### Increase/decrease buttons — +

Set the percentage of humidity required in the room, increasing or reducing it in steps of 5%.

These buttons are also used to set the timer. From 0 - 10 the time varies in steps of 30 minutes, from 10 - 24 in steps of an hour.

### Pump button

(certain models only)

**PUMP**

When the pump button is pressed, the message PUMP is displayed.

If PUMP flashes, the pump is not functioning correctly.

### Display

### Timer button

Sets the timer to delay when the machine comes on or goes off.

### Display

Meaning of the codes or symbols which may be displayed:

-- -- Indicates that the appliance is in standby mode.



### Tank alarm

If this symbol flashes, the tank is full, absent or incorrectly positioned.

The alarm continues until the tank is correctly positioned.



### Defrost alarm

With an ambient temperature of less than 15°C, (59°F) the appliance performs frequent defrosting cycles. While the appliance is defrosting, this symbol comes on and remains on until defrosting is completed. It also comes on when the appliance pauses for about 3 minutes after start-up.

## MODE SELECTION

- 1) Plug the appliance into a mains socket.
- 2) "-- --" is displayed to indicate that the appliance is in standby and therefore ready for operation.  
If "☾" is displayed, you must empty the tank or position it correctly.
- 3) Press the ON/Standby  button.

### Dehumidifying mode

The display shows the level of humidity measured in the room (e.g.:  63), on the left and the required level of humidity (e.g. 55 %) on the right. Press the "+" or "-" button to set the desired humidity (30% means a dry environment, 80% a humid environment).

Press the "" button to modify fan speed (MIN/MAX).

When MAX speed is selected, the appliance operates at maximum dehumidifying power.

When MIN speed is selected, the appliance operates at low power and the noise will also be less.

To display the temperature measured in the room, press the  button.

In sequence, the temperature in °F, then in °C, is shown on the left of the display. After a few seconds, the level of humidity measured in the room is displayed again.

When the appliance has reached the required level of humidity, the compressor stops and the fan continues operating at minimum speed. As soon as the humidity increases above the set point, the appliance will automatically begin dehumidifying again.

### Continuous dehumidifying

To set continuous dehumidifying, press the - button until "--" is displayed.

This function is ideal for particularly damp rooms or to dry washing rapidly. In this mode, the appliance operates irrespective of the humidity measured in the room.

## TIMER FUNCTION

### How to programme delay ON

- 1) With the appliance in stand-by, press the  button. The  symbol appears on the right of the display, together with the number of hours delay before the appliance comes on.
- 2) Use the + and - buttons to set the number of hours required (0.5 - 24). Wait for a few seconds for the setting to be saved.  
The  symbol and the time remaining are displayed.
- 3) When the set time is reached, the appliance will start working.

### How to programme delay OFF

- 1) While the appliance is on, press the  button. The  symbol appears on the right of the display, together with the number of hours delay before the appliance goes off.
- 2) Use the + and - buttons to set the number of hours required (0.5 - 24). Wait for a few seconds for the setting to be saved.  
The symbol  and a countdown of the time remaining are displayed.
- 3) When the selected time is reached, the appliance will stop working.

### Changing or disabling the timer function

To change the timer settings, press the timer button once, then use the + and - buttons. To disable the timer function, press the timer button twice.

**Please note:** when started up, or when power is restored, the appliance operates in the mode selected before it shut down.

## CLEANING AND MAINTENANCE

Always unplug the appliance from the power socket before performing any cleaning or maintenance operations.

For safety reasons, never wash the dehumidifier using a jet of water.

### Cleaning the cabinet

- Clean the appliance using a slightly damp cloth then dry with a dry cloth.
- Do not use petrol, alcohol or solvents to clean the appliance.
- Do not spray liquid insecticide or similar products as they may deform the plastic.

### Cleaning the air filter

If the filter is dirty, air circulation is compromised and the efficiency of the dehumidifying and air purifying functions decreases.

It is therefore good practice to clean the filter at regular intervals.

The frequency depends on the duration and conditions of operation.

If the unit is used constantly or frequently, you are recommended to clean the filter once a week.

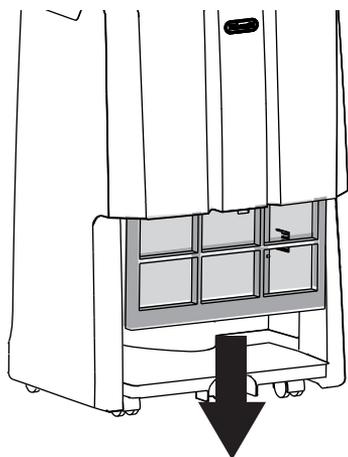


fig. 7

- Remove the air filter by pulling downwards (Fig. 7).
- Use a vacuum cleaner to remove dust accumulations from the filter. If the filter is very dirty, rinse well in warm water. The temperature of the water must not exceed 40°C. After washing the filter, allow it to dry completely before repositioning it.

### If the appliance is not used for long periods

- After unplugging the appliance from the power socket, empty the tank.
- Clean and reposition the filter.
- Cover the appliance with a plastic bag to protect it from dust.

## TECHNICAL SPECIFICATIONS

Power supply voltage	See rating plate
Absorbed power	“
Maximum power input	“
Freeze protection device	Yes
Hygrometer	Yes
Fan speeds	2
Air filter	Yes
Operating limits: temperature	(5°C - 32°C)
relative humidity	30-90%

# TROUBLESHOOTING

Check the following points before calling your local authorised Service Centre.

PROBLEMS	CAUSE	SOLUTION
The appliance is operating in dehumidifying mode, but the humidity does not decrease	The filter is blocked.	Clean the filter
	The temperature or humidity in the room are too low.	In certain conditions, it is normal for the appliance not to dehumidify (in certain cases, it is recommended to heat the environment)
	The room is too big for the dehumidifying power of the appliance.	
	Too many sources of humidity in the room (pots of boiling water, etc.)	
	Humidity set too high.	Decrease the humidity set point
The appliance does not operate for 3 minutes after start-up and  is displayed	The safety device has tripped correctly.	Wait for 3 minutes to pass
“  ” is displayed	The tank is missing	Replace the tank
	The tank is full	Empty the tank
	The tank is incorrectly positioned	Position the tank correctly
“  ” is displayed	The temperature in the room is very low	Increase room temperature
“E2”/“E3” is displayed	One of the sensors on the appliance is faulty or the humidity in the room is too low or too high to be measured correctly	See if the appliance starts working again when moved into another room with a level of humidity within the operating limits indicated in the "Technical Specifications" section. If the problem persists, call the Service Centre