DEHIMUDIFIER

ECOR PRO

DEHUMIDIFIER • LUFTENTFEUCHTER • DESHUMIDIFICATEUR • ONTVOCHTIGER



D850E/R410A D950E/R410A

GB DEHUMIDIFIER

D LUFTENTFEUCHTER

F DÉSHUMIDIFICATEUR

NL ONTVOCHTIGER

CE RoHS

THANK YOU!

Thank you for choosing this innovative dehumidifier.
The instruction manual describes the many benefits and advanced features that this unique product has to offer.

This dehumidifier is a large capacity unit designed to run highly efficiently in places such as: restaurants, bars, printing presses, indoor swimming pools, jacuzzis, garages, animal enclosures, cellars, stores, boat sheds, weekend cottages, archives, etc.

For over 50 years, we are specialised in complete indoor environment control, manufacturing: dehumidifiers, portable air conditioners, coolers, air purifiers/ ionisers and aromatherapy products. These world class products incorporate the latest technological developments and are designed to create a quality environment.

It is important that you read these instructions before using your new dehumidifier and we strongly recommend keeping them in a safe place for future reference.
The first time that you use this dehumidifier please ensure that it has been standing for 2 hours in an upright position before it is switched on.

SAFETY

For safety reasons, read this information carefully before operating. Persons who are not familiar with this type of product must not use it. We strongly recommend keeping this information in a safe place for future reference.

This appliance must be earthed and should only be connected to an earthed 230 – 240 V / 50 Hz mains. The installation must be in accordance with the regulations of the country where the unit is used.
The unit is designated for indoor operation.

- The dehumidifier is safe.However, as with other electrical appliance, use it with care.
- This 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 the use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- Do not clean the dehumidifier by spraying it or immersing it in water.
- Do not insert any object into the opening of the dehumidifier.
- Disconnect from the mains before cleaning the unit or any of its components.
- Never connect to an electrical outlet using an extension cord. If an outlet is not

available, one should be installed by a licenced electrician.
- Any service other than regular cleaning or filter replacement should be performed by an authorized service representative. Failure to do so could result in a loss of warranty.Your dehumidifier is supplied with an electrical cable and an earthed plug. Should it be necessary to replace this plug at any time, you must use an earthed electrical plug.

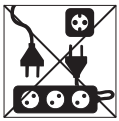
Warning! Never operate this appliance if it has a damaged cord or plug.
If the supply cord is damaged, it must be replaced by an approved service representative or a similar qualified person in order to avoid any hazards.

There should be direct access to the electrical plug after connecting the power!

Do not use your dehumidifier under the following conditions:


If the power cable wires are frayed or cut


Where the power cable may be damaged


If an extension cord is needed to reach an outlet


Close to a heat source


When small children may be left unattended


If there is a risk of liquid falling on the unit



Where it may be damaged by chemicals


Where there is a risk of interference by foreign objects


This product is not made for DIY repair

HOW IT WORKS

See page 4, fig. 3

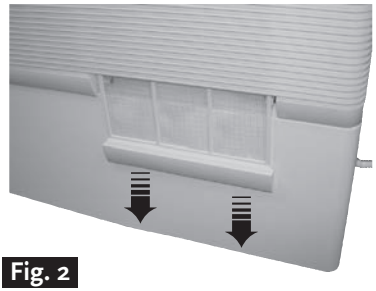
Your dehumidifier controls the Relative Humidity by passing the air through the unit forcing the excess moisture to condens over the cooling elements.
This condensate water then flows safely into a fixed drain.
The dried air then passes through a final heat exchanger where it is slightly warmed and re-enters the area at a slightly elevated temperature.

The level of demoistering is set with the humidistat control.

PARTS



Fig. 1



4 Filter

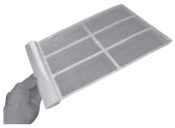


Fig. 2

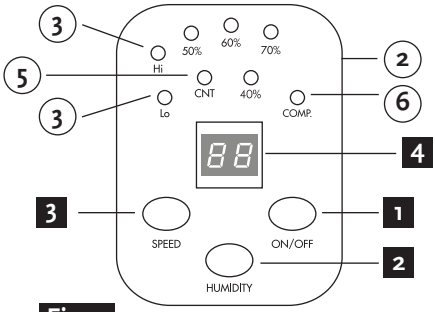


Fig. 4

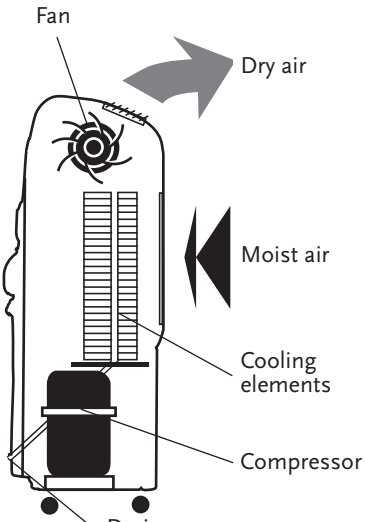


Fig. 3

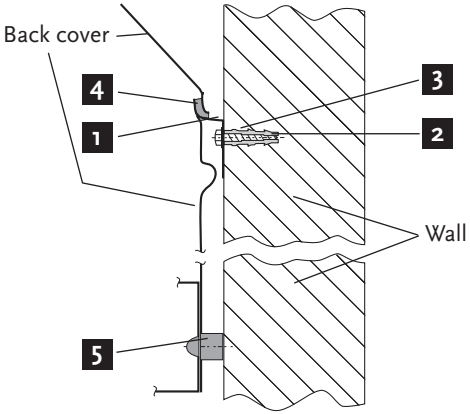


Fig. 5

POSITIONING THE DEHUMIDIFIER

There must be free space of at least 30 cm between any other object and the front and the top of the unit.

Your dehumidifier can be installed in any area with a too high relative humidity, such as cellar, playing area, shed, archive or swimming pool.

The dehumidifier will begin to protect from the harmful effects of excess moisture as soon as it is plugged in and switched on.

When positioning your dehumidifier, ensure that it is placed level.

Best results are obtained when windows and doors are closed, thus preventing the possible influx of fresh, too humid, air.

When the unit is placed near a (swimming) pool, connect to the mains via a transformer or a breaking switch, conform the local regulations regarding electrical installations.

When the dehumidifier is in operation, open outside doors and windows only when necessary.

WALL MOUNTING

See page 4, fig. 5

The unit can stand on the floor or hung on a wall. All necessary items for wall mounting are supplied in the plastic bag.

- Fix the supporting bracket with at least 5 screws horizontally to the wall. Only use fixings of the appropriate type, this unit is heavy circa 40kg.
- Hang the unit on the bracket, the two tongues fit into the slots on the unit's rear panel.
- Make sure the two rubber pads (3) on the tongues and the two rubber supports (4) on the lower part of the rear panel are properly placed.

CONTROLS

See page 4, fig. 4

ON/OFF (1)
The unit is switched on and off by pressing the ON/OFF button (1). When the unit is on, the fan runs in the set speed.

Humidity (2)
Press the HUMIDITY button (2) repeatedly to choose the desired level of relative humidity in the area. The corresponding control lights (2) will indicate the selected percentage. The yellow CNT control light (5) indicates that the unit is running continuously, disregarding the relative humidity level in the area.

Ventilator speed (3)
Press the SPEED button (3) to select low or high speed.
The corresponding control light (3) will indicate this, Lo=low or Hi=high.

Digital display (4)
The digital display (4) will show the measured relative humidity in the area.

Compressor (6)
The COMP control light (6) will be on when the compressor is running.
An automatic time delay of five minutes before the compressor can (re-)start working is a safeguard against damage.

IMPORTANT:
This dehumidifier should not be used in temperatures below 7 °C or above 35 °C.

Defrost Control
The dehumidifier is equipped with an automatic de-icing mode to defrost the refrigeration coil during low temperature operation. The compressor is switched off whilst the ventilator continues to run.

DRAINAGE

There are four optional outlets for the drainage tube. To change the outlet of the drainage tube the rear panel should be dismounted (only by authorised / competent persons).
When remounting the rear panel care should be taken to return all the screws and washers to their original location.

Connecting the permanent outlet

- Connect the pipe to an outlet tube with the correct diameter.
- Push the other end of the tube into a drain, making sure that the tubing cannot be twisted or folded.
- The entire length of the tube must have a continuous fall.
- Ensure that the outlet of the drainage pipe is not under the water level in the drain.

NOTE: In very cold weather conditions precautions should be taken to prevent the drainage pipe from freezing.

CLEANING

Disconnect from the mains before cleaning the unit or any of its components.

See page 4, fig. 2

Cleaning the air filter
Air circulation is impeded and the efficiency of the dehumidifying and air purifying functions decreases when the filter is dirty. It is therefore good practice to clean the filter at regular intervals. The precise intervals depend on the room in which the appliance operates and on how frequently it is used.

- Remove the filter (4) by sliding it out.
- Clean the filter or wash in tap water.
- Dry the filter before inserting it back.

Housing
Wipe regularly clean with a moist cloth and mild household detergent.

Servicing
Have your dehumidifier once a year serviced by a qualified engineer.

TROUBLE SHOOTING

If the dehumidifier does not operate:
- Make sure the unit is plugged in.
- Ensure the humidistat control is turned on.

If the unit is noisy:
- Make sure the dehumidifier is standing solidly and level.

If the unit is leaking:
- Check the drainage tube for correct fitting.
- Check for twists and bends in the drainage tube.
- Check the drainage tube for a sufficient slope.
- Check and make sure that the outlet of the drainage pipe is not under the water-level in the drain.

TECHNICAL DATA

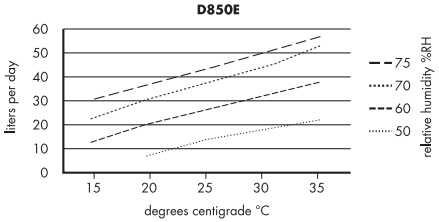
Model		D850E/R410A	D950E/R410A
Mains		230 V / 50 Hz	
Power consumption	W	960	1400
Current (operation)	A	4,15	6,5
Current (at start)	A	20	22
Water extraction at 30 °C, 70 % RH 30 °C, 80 % RH 32 °C, 90 % RH	L/24h	 52 60 63	 61 76 81
Refrigerating agent R410A*	g	540	700
Airflow (at high fan speed)	m^3/h	500	680
Operating temperature	°C	7 – 35	
Dimensions w x h x d	mm	660 x 750 x 345	
Weight (net)	kg	37	39
Meets EEC directive 73/23/CE (LVD).		Specifications may change without prior notice.	

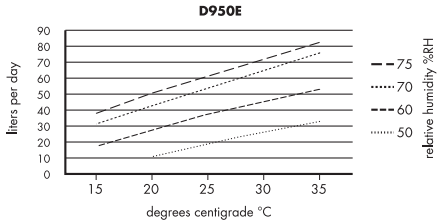
* (EC) No 842/2006: R410A is a preparation of fluorinated gases covered by the Kyoto Protocol. Its global warming potential (GWP) is 1975. See page 31.

Disposal
Waste electrical and electronic products must not be disposed of with household waste. This product should be taken to your local recycling centre for safe treatment.

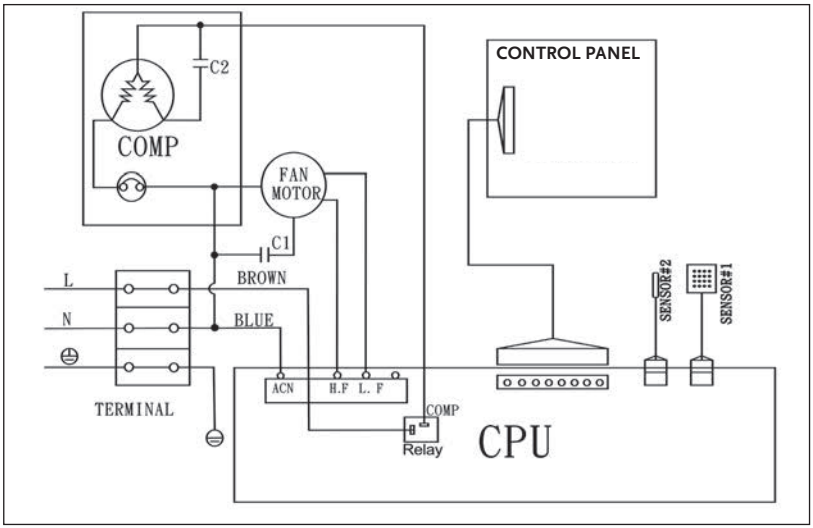
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For reference purposes only





WIRING DIAGRAM



KYOTO PROTOCOL - FLUORINATED GASES

This product contains fluorinated gases covered by the Kyoto Protocol

Chemical Name of the Gas	**R410A**
Global Warning Potential (GWP) of the Gas	**1975**

(Caution)

(a) Hermetically sealed system

(b) Emission of the contained fluorinated gas shall be prevented.
The fluorinated gas may never be vented to the atmosphere during installation, service and disposal. When leak of the contained fluorinated gas is detected, the leak shall be prepared and stopped as soon as possible.

(c) Only qualified service personnel are allowed to access and service this product.

(d) Handling of the fluorinated gas in this product, such as moving of the product, re-charging of the gas, shall only comply with REGULATION (EG) No 842/2006 on certain fluorinated greenhose gases and relevant local legalisation.

(e) Contact dealers, installers etc. for any questions.

CONTACT

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Subject to modifications. / Änderungen vorbehalten.
Sous réserve de modifications. / Wijzigingen voorbehouden.



RoHS

D850E-/R410A-D950E/R410A
PM 04/2013 (update panel)