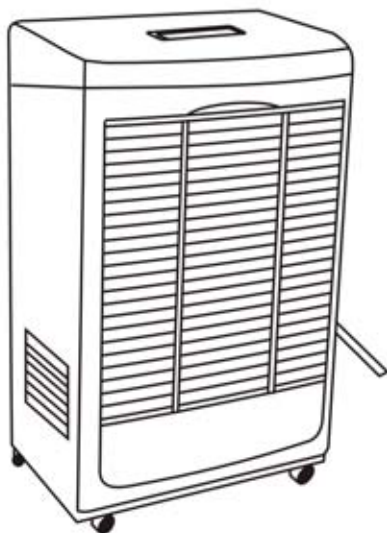


(EN)
USER MANUAL

**PURLINE
DEHUMIDIFIER**

PLC100B



WINEUROPE SA. FRANCE

Thank you for your trust and for purchasing this PURLINE dehumidifier.

Before using the dehumidifier, please read this manual carefully and keep it in a safe place. Appropriate grounding in perfect condition is required.

General Information

The PLC 100B dehumidifier is managed by an electronic board. Just select the degree of humidity you would like between 90% and 30% and the dehumidifier will automatically manage the % of hygrometry in the room air.

It is specifically recommended for spacious areas, industry, warehouses, basements, archives, laboratories, pools, etc.

Conditions of Use

The temperature may vary from 5°C to 32°C. Relative humidity should be lower or equal to 90%. This device is only for internal use in a room free of dust and corrosive gases.

Operations

The dehumidifier operates according to the principle of condensation of humid air in a "cooling battery". The excess humidity in the air is condensed in the evaporator and the condensates are discharged through the drain hose. (The external length of the drain hose supplied with the device is 30 cm (internal diameter: 17 mm). To discharge the condensates outwards, an additional drain hose must be installed.)

Defrosting

When the room temperature ranges from 5°C to 18°C when the device is operating, the surface of the evaporator may be covered in frost. Defrosting, of the reversible hot gas type, is triggered automatically by a sensor that informs the electronic board. Once defrosting is complete, the dehumidifier returns to its normal operations. The device can therefore operate in relatively low room temperatures. (Approximately 1°C.)

MODEL	PLC100B
Dehumidification capacity L/day at 27°C x 60 % R.H.	74 Liters
L/day at 30°C x 80 % R.H.	116 Liters
Voltage	230 +/- 10%
Frequency	50 Hz
Required power	1500 W
Suction pressure	0.5 MPa
Discharge pressure	2.5 MPa
Airflow	1150 m3/h
Sound pressure level	52 Db
Cooling load	R407C 1260 g
Dimensions	480 x 420 x 1010 mm
Weight	58 Kg

Installation of the dehumidifier

Location:

1. The device must be installed on a flat surface. There should be at least one meter of empty space, free of large objects, around the dehumidifier.
2. The device must be placed far away from any source of heat or inflammable gas.
3. The drained water may be discharged directly into a container or outside of the room.
4. It is preferable not to install the dehumidifier in a very polluted or dusty location.

Electrical source:

1. Carefully follow the manual's indications.
2. Use electrical power with proper grounding in good condition.

3. Place the device close to an electrical outlet.
4. The device must be installed in accordance with local electrical standards.
5. The electrical plug must be connected to a circuit equipped with a 15 A fuse.

NOTE

If the electrical cord is damaged, it must be replaced by an electrician or qualified person to avoid damages.

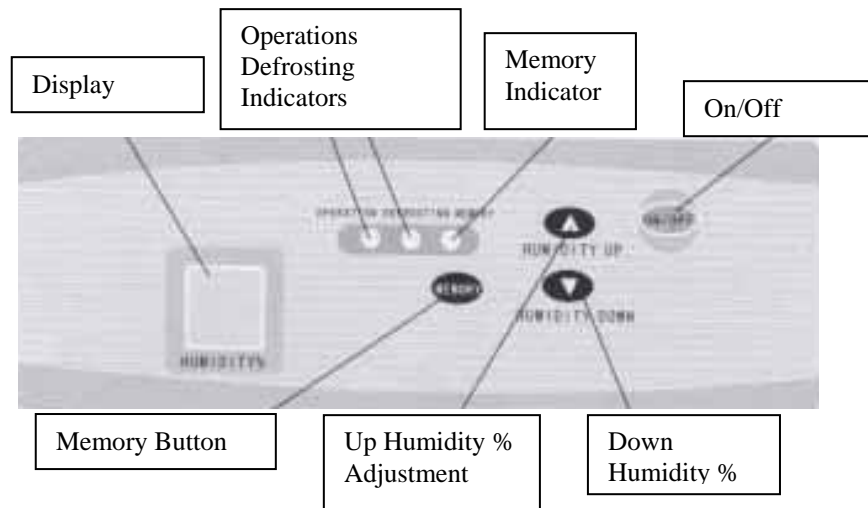
Installation:

1. Refer to qualified professionals to install the dehumidifier.
2. The slant of the floor bearing the device must not exceed 10°.

Note:

This device is not to be used for marine purposes. The device's environment must not be polluted by corrosive gases.

PLC100B CONTROL PANEL



1. "ON/OFF" button. This button indicates either the "Off" or "On" mode.
2. "Up Humidity" and "Down Humidity" buttons. By (rapidly) pressing once on one of these buttons, the control point rises or lowers by 1%. If you press for a second and a half, the control points are displayed at the speed of 5 points per second.

3. "Memory" button. When you press on this button, the "Memory" indicator lights up to indicate that the memory function is active when the device is turned off. Press on this button again and the light indicator will turn off, thereby deactivating the memory function when the device is off.

Start-up Operations

1. Plug the device in. You will hear a sound.
2. Press on the "ON/OFF" button. The light indicator will light up and the relative humidity display will indicate the humidity control point that was originally entered. The degree of humidity initially displayed is 60%. Three seconds later, the display will indicate the ambient humidity.
3. Press on the "UP" or "DOWN" button to enter the desired control point. If the ambient relative humidity is lower than 3% of the ambient degree, the device will turn on. If the ambient relative humidity is higher than 3% of the ambient degree, the device will turn off.
4. If the control point is lower than 30%, the device will continue to dehumidify and the display will show "CO".

On/Off

When the device is on, press on "ON/OFF" to turn the device off. The light indicators will turn off.

Note

1. When the control point is higher than the ambient humidity, the device will not operate.
2. In the dehumidification mode, when the compressor is active and the fan turns, they must operate for at least 3 minutes. Do not try to restart the compressor again for 3 minutes after the device has been turned off.
3. When used in a room with a lower temperature, the device automatically detects the defrosting operations. In the defrosting mode, the light indicator turns on, the fan continues to work, but the compressor automatically stops.
4. If you press on the "Memory" button, the internal recorder will detect the ambient humidity, even when the device is turned off.

5. The display indicates humidity from 30% to 90%.

Note

1. Carefully press on the various buttons so as not to damage them.
2. Clean the dehumidifier with caution, as the humidity sensor is very fragile. Have the device repaired or replaced if it no longer works.
3. When the dehumidifier is not in use, turn it off and unplug it.

DEHUMIDIFIER MAINTENANCE

Turn the device off, then unplug it before cleaning.

Because of the accumulation of dust, the air “grill” must be cleaned regularly, at least once per month. If necessary, clean it once per week or more often if required. This is essential for the dehumidifier to operate properly.

Cleaning the Air Filter

Use either a vacuum cleaner (cautiously) or soak the air filter in warm water at approximately 40° with a non-abrasive detergent, and clean it with a sponge, then rinse it.

Note:

- a. To avoid any deformation, the air filter must not be exposed to any source of heat.
- b. Before plugging the device in again, properly return the air filter to its place and re-screw the front grill.

NOTE:

To keep your dehumidifier for many years, have it cleaned and its proper operations checked regularly by a professional.
 - If the electrical cord is damaged, it must be replaced by the installer or another qualified person.

Trouble Shooting

PROBLEMS

SOLUTIONS

The device does not want to turn on.	Power failure The fuse has blown The device is not plugged in properly	Replace the fuse Plug the device in carefully
The device does not dehumidify	The grill is dirty The air entries and outlets are obstructed	Clean the grill
Water leakage	The device is placed on a slope The drain is obstructed	Stand the device up Clean the drain
The light indicator is flashing	The temperature sensor is not working	Replace it
The defrosting does not work	The temperature sensor is loose	Replace the temperature sensor
E1 is displayed	The hygrometry sensor is not positioned properly or is defective	Check the component or positioning
E2 is displayed	The defrosting sensor is not positioned properly or is defective	Check the component or positioning

If the breakdown continues, please contact your reseller or technical department. When the dehumidifier starts or stops, the refrigeration cycle produces a specific sound. This sound is normal. It is also normal for the air flowing from the air outlet to be hot.

NOTE

**Unplug the device when it is turned off.
 The dehumidifier must be connected to a grounding plug.
 Please keep this manual for future reference.**

WARRANTY:

Two years from the date of purchase.

To use the warranty, please bring or send (PREPAID) the device to your reseller along with the proof of sale indicating the purchase date.



Removal of used domestic appliances

European Directive 2002/96/EC on Electric and Electronic Equipment Waste requires that domestic appliances not be thrown out with the rest of municipal waste. Used devices must be collected separately in order to optimize the recuperation and recycling rates of their materials and so as to reduce the impact on human health and the environment.

The symbol of the crossed out garbage can appears on all the products as a reminder of the obligations regarding separated collection.

Consumers must contact local authorities or resellers regarding the procedure to follow for the removal of the device.