Dritech
Dehumidifiers

HT-901

PRODUCT MANUAL

Portable Dehumidifier

PORTABLE DEHUMIDIFIER HT-901

Product Manual

Important Safety Instructions

Please read these instructions carefully before operation.

- Ensure that the power supply is 220 – 240 V / 50Hz.
- Place the unit in a position with unrestricted airflow.
- Do not cut off the power supply by pulling the power cable.
- Do not directly plug/unplug the power plug to start/stop the unit.
- Do not stick your fingers into the grille.
- Switch off and unplug the unit before cleaning or maintenance.
- Repairs on the unit should only be done by qualified professionals.

Introduction

Dehumidifiers extract moisture and lower the humidity in a room, improving comfort for people and keeping the environment dry for sensitive equipment and goods storage.

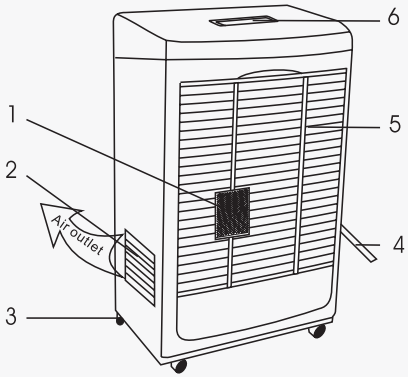
Mould and mildew growth can be controlled with the use of dehumidifiers.

Our dehumidifiers are designed to be neat, compact, high quality and easy to operate.

Schematic

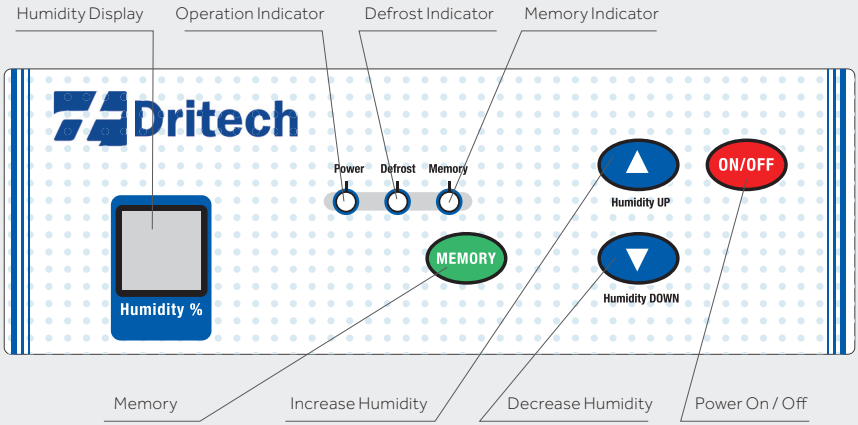
HT - 901

1 Filter panel
2 Air outlet grille
3 Castor wheel
4 Water outlet pipeline
5 Air inlet grid panel
6 Digital control panel



Operation

HT - 901



Button Instructions

1. ON / OFF : Switch the unit ON / OFF. The unit runs in this order: "ON – OFF – ON".
2. Humidity Up / Down : Press once to increase / decrease humidity by 1% respectively. Press and hold for 1.5 seconds to increase the rate of adjustment.
3. Memory: Activate / Deactivate the memory function. The Memory Indicator shows the status of this function. This function stores the last user setting for the Humidity. If the power is cut off while this function is active, the unit stores the Humidity setting, and will automatically revert to this setting when power is restored.

Start Up

1. Plug in the power cable and turn on the power. A beep will sound if the unit is working correctly.
2. Press "ON / OFF". The Operation Indicator will turn on, and the Humidity Display window will display the humidity setting. The default humidity setting is 60%. If the Memory function is active, the humidity setting will restored to the saved user setting. 3 seconds later, the humidity display window will display the current humidity reading.
3. Press the Humidity Up / Down key to adjust the level of humidity. If the humidity setting is above/below the current reading with a threshold of 3%, the unit will activate/ deactivate accordingly.
4. The unit will go into continuous mode and the Humidity Display will show "CO" when the user sets the humidity setting below 30%.

Shut Down

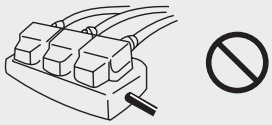
Press "ON / OFF" while the unit is running. The unit will stop running and all indicators will be switched off. Please note that any stored humidity setting for the memory function will also be erased.

Notes

1. If the set humidity is higher than the current humidity, the unit will not run. To start the unit, please lower the humidity setting to at least 3% lower than the current humidity reading.
2. When the tank is full, the Full Tank indicator will light up. The compressor and fan motor will be shut off automatically, and the unit will alert the user by beeping twice. The two-beep alert will continue once every 5 minutes until the tank is emptied and replaced.
3. Once the dehumidifier starts operation, the fan motor and compressor will run for at least 3 minutes before any shut down. After shutting down, it will not restart operation for at least another 3 minutes. This delayed start/stop feature protects the compressor and improves its lifespan.
4. When operating in low temperatures, the unit will gauge the system temperature and defrosts if necessary. When defrosting, the Defrost Indicator will light up. In this mode, the fan motor will be running but the compressor will be switched off.
5. The range of the Humidity Display is 30% to 90%.
6. Unplug the unit if it is not used for extended periods. Drain the water and dry the unit to prevent mould and mildew.

Maintenance and Safety

Do not overload the power adapters or extensions.



Risk of fire and electric shock.

Do not use in an environment with volatile chemicals.

Volatile chemicals may damage the coils, resulting in gas leaks.

Do not use outdoors, under strong sunlight, wind or rain.

The unit is only intended for indoor use.

When cleaning the unit, switch off the power and unplug it.

Risk of electric shock.

Do not put the unit near stoves or heaters.

Resin may melt and fire may occur.

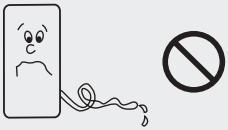
If you are not using the unit for an extended period, please unplug the power.

Risk of electric shock.

When there are unusual burning smells or noises, switch off the power and unplug the unit. Seek technical advice from Dritech or your vendor.

Fire, electric shock or component damage may occur.

In continuous draining mode, put in the drainer well for smooth draining.



If the ambient temperature is near freezing point, please do not use direct drainage.

Maintenance and Safety

Do not disassemble or repair on your own unless you are trained and qualified.

Risk of electric shock, and damage to components.

Place the dehumidifier in a stable and flat position.

If unit tilts or turns over, there will be water spills or seepage, which may damage nearby objects and result in fire or electric shocks.

To extend the lifespan of the filter.

Place the filter in a plastic bag when the unit is not used for extended periods.

Do not use the unit near water sources.

Risk of fire and electric shock.

Use rated power source of 220V – 240V.

Risk of fire and electric shock if incorrect power source is used.

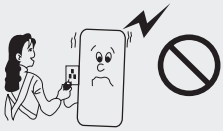
Do not damage or twist power cables.

Risk of fire and electric shock.

Clean any dirt off the power plug and plug it in fully.

Risk of fire and electric shock.

Do not plug in the power plug while the switch is on.



Risk of fire and electric shock.

Important Notes

1. When moving the unit, do not tilt it over 45° to avoid damaging the compressor.
2. The operating temperature is 5° - 32°C. Please ensure the room environment meets this requirement.
3. When the unit is running, the room temperature may rise slightly due to heat generated from the compressor and fan motor. This is perfectly normal.
4. At temperatures below 10°C and low absolute humidity, do not run the dehumidifier because it will not be able to extract much water.
5. Please keep the air inlet and outlet at least 6 inches away from walls or obstructions.
6. Seal the room to improve humidity control, otherwise the dehumidifier will not be able to extract moisture faster than fresh humidity coming into the room.
7. Clogged filters will lower the extraction capacity and may even result in malfunction. In powdery and dusty environments, the filter should be cleaned more frequently to prevent clogging. To clean the filter, remove it from behind the front panel.

Troubleshooting

Malfunction	Cause	Solution
Cannot be switched on	1. No power 2. Unit is switched off 3. Unit not plugged in 4. Fuse blown	1. Restore power 2. Switch on the unit 3. Plug in and switch on 4. Send unit for troubleshooting to determine source of overloading
Unit is ON but not running	1. Water tank is FULL 2. Humidity reading is higher than humidity setting 3. Sensor errors	1. Empty and replace the water tank 2. Lower the setting until it is at least 3% lower than current reading 3. Refer to Error Codes section
No water extracted	1. Filter clogged 2. Air inlet/outlet obstructed 3. Refrigerant leak	1. Clean the filter 2. Place unit where airflow is unobstructed 3. Send unit for repair and recharge of gas
Water is extracted but humidity is not lowered	1. Fresh humidity from external source 2. Unit is undersized	1. Reduce sources of fresh humidity 2. Add more units or upsize the dehumidifiers
Abnormal noise	1. Unstable placement 2. Filter clogged	1. Place unit on level surface 2. Clean the filter

Additional Notes

1. If the issues cannot be rectified, please contact Dritech or your vendor for assistance.
2. Do not disassemble the unit unless your technicians are qualified.
3. When the unit starts or stops, some noise from the refrigerant pipeline is normal.
4. Warm air from the air outlet is normal.

Error Codes

If the system sensors detect an error, an error code will appear in the humidity digital display window.

Error Code	Faulty Component
E1	Humidity Sensor
E2	Defrost Sensor

Specifications

Model	HT-901
Humidity Removal (80% RH / 30° C)	90 litres / day
Applying Space	100 - 120 m² (300 - 360 m³)
Power Source	220 - 240V / 50 Hz / 1 phase
Rated Power Input	1320W
Rated Power Current	6.3A
Refrigerant	R22
Nett Weight	50 kg
Gross Weight	55 kg
Noise Level	< 60 dB(A)
Tank Size	Continuous Drainage Only
Direct Drain Hose Diameter (Internal)	¾" / 19mm
Airflow Rate	850 m³/h
Dimensions (Width x Depth x Height)	480 x 420 x 960mm