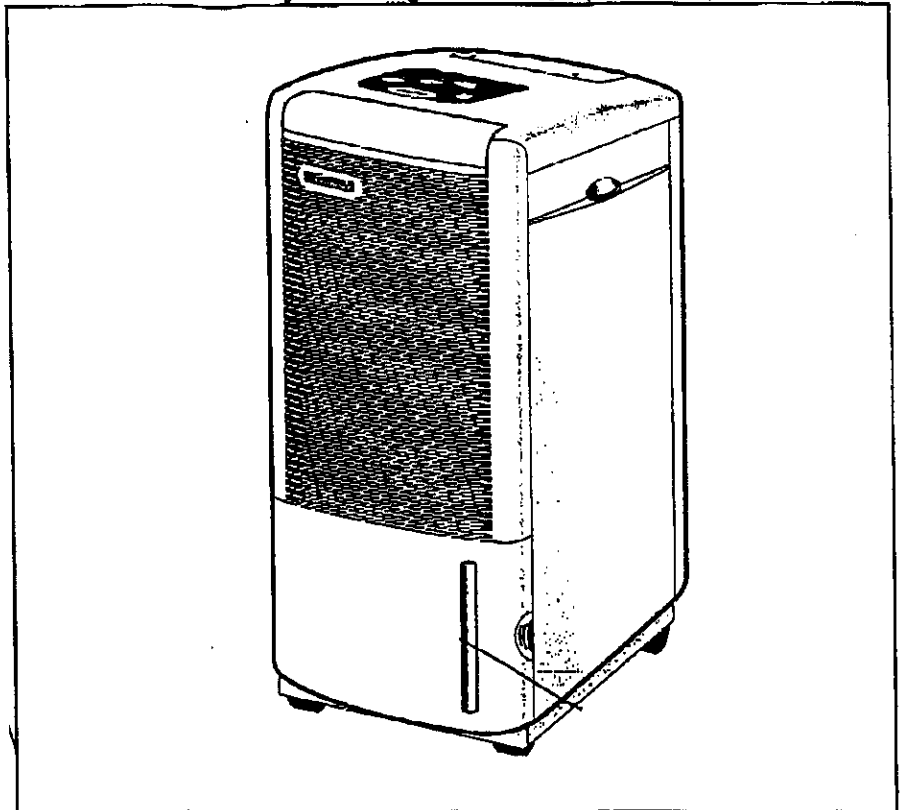


SEARS

OWNER'S MANUAL

Model
461-5949



PORTABLE 3-IN-1 HOME COMFORT

Table of contents 1

CAUTION:

Read complete installation and operating instructions before installing and/or using the dehumidifier.

KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE.

If the Dehumidifier changes ownership, be sure this manual accompanies the unit.

SEARS

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Introduction

Thank you for choosing this Kenmore appliance to provide you and your family with all of the "Home Comfort" requirements for your home, cottage or office. This Owner's Manual will provide you with valuable information necessary for the proper care and maintenance of your new appliance. If properly maintained, your Kenmore appliance will give you many years of trouble free operation. Please take a few moments and read the instructions thoroughly and familiarize yourself with all of the operational aspects of this appliance.

Your Kenmore Dehumidifier is a multi-functional room air-exchanging, air-processing appliance, designed to offer you the functions of; Dehumidifying, Heating, and Independent Fan. This unit can be conveniently moved from room to room within your home and set-up in just minutes.

For easy reference, may we suggest you attach a copy of your sales slip/receipt to this page, along with the following information which is located on the manufacturers nameplate located on the rear panel of the unit.

Model Number: _____

Serial Number: _____

Date of Purchase: _____

Dealer's Name and Address: _____



This information will be required if your unit requires servicing and/or for general inquiries. To contact a Customer Service Representative, call Sears Service TOLL FREE.

1-800-4-MY-HOME (1-800-469-4663)

Keep these instructions for future reference.



This symbol denotes a caution or warning

	CAUTION	
Do not leave this unit unattended in a space where people or animals who cannot react to a failed unit are located. A failed unit can cause extreme overheating or death in such an enclosed, unattended space.		



WARNING - IMPORTANT NOTICES



NOTE: The WARNING instructions issued in this manual are not meant to cover all possible conditions and situations that may occur. It must be understood that common sense, caution and carefulness are factors that cannot be built into all appliances. These factors must be supplied by the person(s) installing, maintaining, or operating the appliance. Failure to install, maintain, and/or operate the equipment according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage. Contact your dealer, service agent or the manufacturer about any problems or conditions you do not fully understand.

FOR YOUR SAFETY - To reduce the risk of fire or explosion, do not store or use gasoline or other flammable vapors or liquids in the vicinity of this or any other appliance.

ELECTRICAL SERVICE INFORMATION - To reduce the risk of fire, electric shock or personal injury, all wiring and grounding must conform with the latest edition of Local and National Electrical Codes. It is the customer's responsibility to have the wiring and fuses checked by a qualified electrician to make sure adequate electrical power is available.

This appliance is designed to operate on a separate branch, polarized, three-wire, effectively grounded, 120 Volt 60 Hertz (alternating current) circuit protected by a 15 or 20 ampere fuse, equivalent fuselron or circuit breaker.

The three-prong grounding plug on the power cord should be plugged directly into a polarized three slot effectively grounded receptacle rated 110/120 V.A.C. 15 or 20 Amp.

GROUNDING INSTRUCTIONS - Improper connection of the equipment-grounding conductor can result in a risk of electrical shock. Check with a qualified electrician or serviceman if you are in doubt as to whether your appliance outlets are properly grounded.

This appliance must be grounded. In the event of malfunction or breakdown, grounding will reduce the risk of electrical shock by providing a path of least resistance for electrical current. This appliance is equipped with a cord having an equipment-grounding conductor and 3 prong grounding plug. The plug must be connected into an outlet that is properly installed and grounded in the accordance with all local codes and ordinances.

Do not modify the plug provided with the appliance. If it will not fit the outlet, have a proper outlet installed by a qualified electrician.

If the household electrical supply does not meet the above specifications, or if you are not sure your home has an effective ground, have a qualified electrician or your local electrical utility company check it and correct any problems.

Electrical Specifications

1. All wiring must comply with local and national electrical codes and be installed by a qualified electrician. If you have any questions regarding the following instructions, contact a qualified electrician.
2. Check available power supply and resolve any wiring problems BEFORE installation and operation of this unit.
3. For your safety and protection, this unit is grounded through the power cord plug when plugged into a matching wall outlet. If you are not sure whether the wall outlets in your home are properly grounded, please consult a qualified electrician. **DO NOT USE PLUG ADAPTERS OR EXTENSION CORDS.**
4. The manufacturer's nameplate is located on the rear panel of the unit and contains electrical and other technical data specific to this unit.
5. To avoid the possibility of personal injury, always disconnect the power supply to the unit, before installing and/or servicing.

Table 1

Suggested Individual Branch Circuit


	Nameplate Amps	AWG Wire Size*
Dehumidifier	5.5	14
Heater	12.0	

AWG- American Wire Gage

* Based on copper wire at 60°C temperature rating.

Table 2

Receptacle and Fuse Types

Rated Volts	125
Amps	15
Wall Outlet	
Fuse Size	15
Time Delay Fuse (or circuit breaker)	Plug Type

Unit Specifications:

461-5949

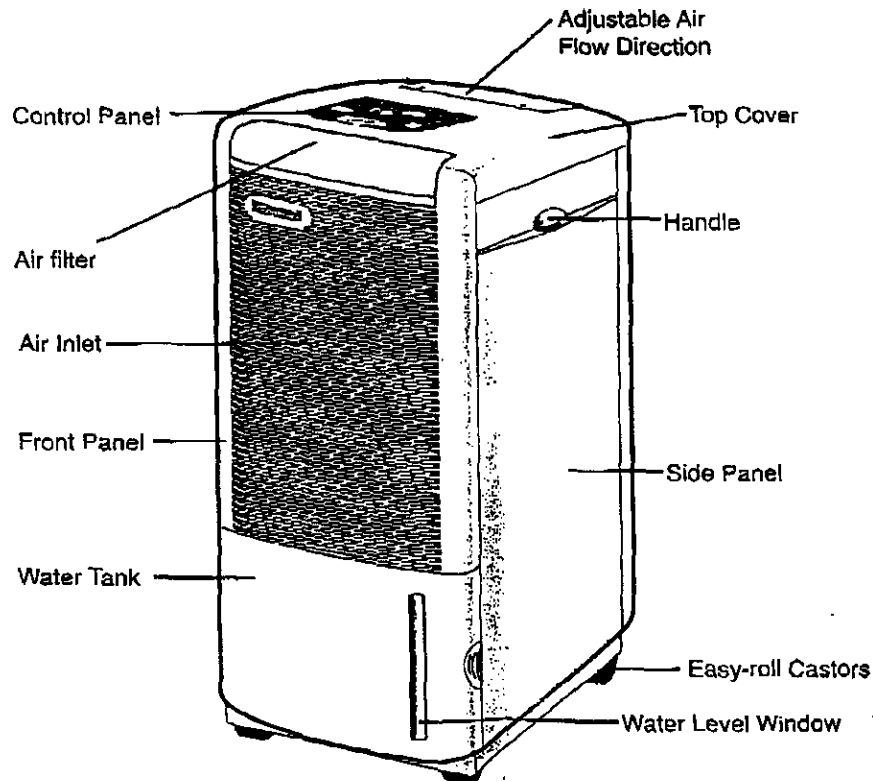
Dehumidifying Capacity	40 Pints (19.0 L / 24 Hrs)
Electrical Requirements	115 Volts / 60 Hz
Power Input (watts) Dehumidifier / Heating	563 / 1150
Rated Amperage	
• Dehumidifying	5.5 amps
• Heating	12.0 amps
Fan (watts)	35.3
Air Flow Circulation (Cubic Feet per Minute)	141
Type of Refrigerant	R22
Water Tank Capacity	6.3 litres, 13.3 pints
Application Area Coverage	269-378 sq. ft.
Operating Noise Level	43 dB A
Unit Dimensions Width Depth Height	14 3/8" x 14 3/4" x 29 1/2"
Net Weight	21.5 kg / 47.3 lb

NOTE: Specifications are subject to change without notice, for further improvements.

FEATURES

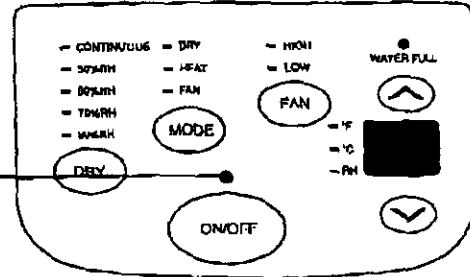
- Soft Touch (Electronic) Control Key Pads
- Auto-Sensing Humidity Control
- Adjustable Humidity Settings (50%,60%,70%,80%, Continuous)
- Thermostatically Controlled Heat Settings (Range 10°-32° °C/48°-92°°F)
- PTC Heater Output (1150watts High/950 watts Low)
- 2 Fan Speed Settings (High/Low all Modes)
- Auto-Display LED Read-Out (Humidity / Temperature)
- Delay Start Protection (compressor)
- Auto-Defrost (De-Icier)
- Full Bucket Indicator (audible & visual)
- Adjustable Air Flow Direction
- Air Freshener Dispenser
- Easy Roll Casters
- Convenient Front Mounted Water Tank (Removable)
- Direct Drain Option (Hose not Included)
- Sleek Euro-Design Styling
- Super Quiet Operation

Unit Parts Identification



Explanation of key pad features on the electronic control board of your dehumidifier:

- DRY: is abbreviated for "DEHUMIDIFY"
- RH: is abbreviated for "Relative Humidity"
- °C: is abbreviated for the "Celsius" scale
- °F: is abbreviated for the "Farenheight" scale



On/Off Flashing Light

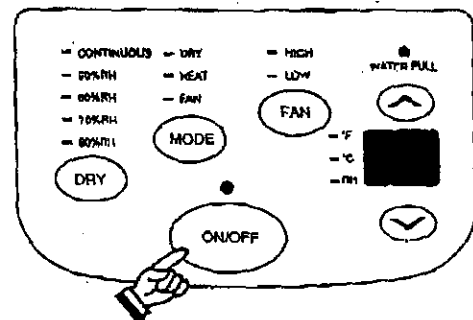
When the unit is first connected to an electrical (outlet) power supply, the (green) pilot light located above the "ON/OFF" keypad flashes continuously. The flashing light indicates a "power interruption" occurred and will stop only after the unit is switched on using the on/off keypad. This condition occurs each time the unit is disconnected (unplugged) and re-connected, and/or in the event of a power failure.

Factory Default Setting

Each time the unit is switched on after being disconnected/re-connected and/or in the event of a power failure, the electronic circuit board automatically defaults to the following factory setting.

- Mode: Dry
- RH: 60%
- Fan Speed: High
- °C: Scale

All previous settings are automatically erased/cancelled. Therefore, if your program setting was different than the above, you will have to re-set the original program. When the unit is "manually" switched "on/off" (using the on/off keypad) the unit will default to the last program setting used.



(Dry,Heat,Fan) Mode Lights:

Upon selecting a mode, a solid green light (window) illuminates adjacent to the model selected. Under the "Dry" and "Heat" mode (only) this light also serves to identify the operational status of the selected (compressor/heater) program. (see below)

Dry:

A "solid" green light indicates the compressor cycled "on" and is operational.

A "flashing" green light indicates the compressor cycled "off" and is non-operational. The fan motor will continue to operate (flashing green light condition) even after the compressor has cycled off. This is a normal condition.

Heat:

A "solid" green light indicates the heating element cycled "on" and is operational. A "flashing" green light indicates the heating element cycled "off". Both heater and fan motor will not be operational during this (flashing green light) condition.

Fan Mode:

Since there are no controlled settings/options in this mode, other than fan speed, (high/low) the solid green light remains on at all times until the mode is changed and/or the unit is switched off.

Dry Level Mode Lights:

(Continuous, 50%, 60%, 70%, 80%):

A solid green light (window) illuminates adjacent to the RH% level selected.

Fan Speed Selection:

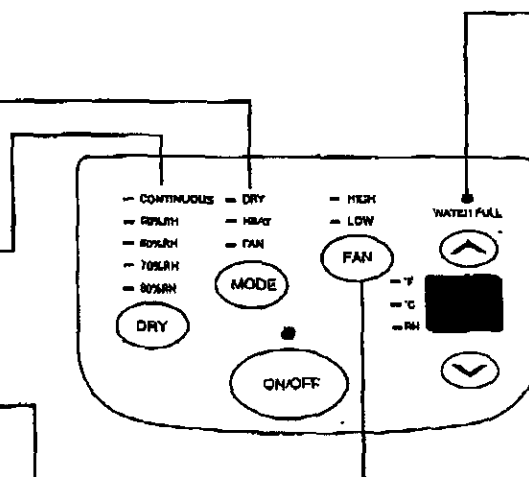
Two fan speeds are available in all operating modes, "High/Low" identified by a solid green light (window) adjacent to the mode selected.

Water Full Flashing Light/Audible Alarm:**Dry Mode:**

The water full light flashes continuously and an audible alarm will sound (8 beeps) to notify you when the water tank is full and/or is not properly positioned inside the cabinet. The dehumidifier will cease (stop) all operation automatically, during this condition. (This is a safety feature.)

Heat & Fan Mode:

The water full light and audible alarm operate in the same basic manner described in the "DRY" mode (above). However, the significant difference being both the "Heater & Fan" will continue to operate under a (full water tank) flashing light condition. Since no dehumidifying occurs during these modes. However, switching back to the "DRY" mode will immediately stop any dehumidifying operation.



⤴ Depending on the mode selected, this keypad performs the following function.

⤵ Depending on the mode selected, this keypad performs the following function:

DRY Mode:
Allows you to select a Relative Humidity setting (Continuous, 50%, 60%, 70%, 80%). Performs the same basic function as the "DRY" key pad.

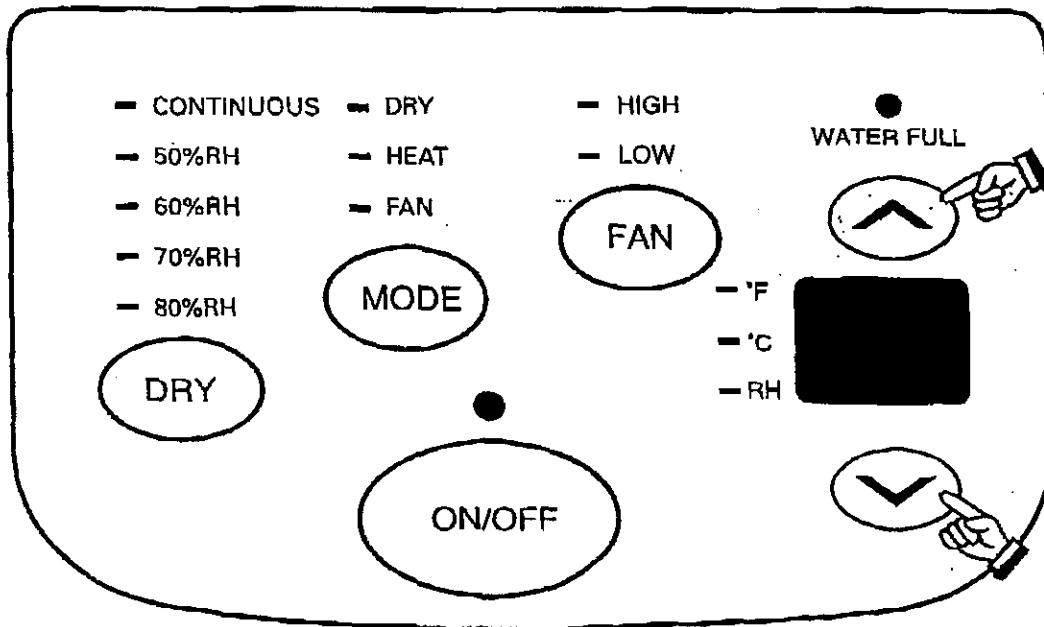
DRY:
Allows you to view existing environment conditions.
ie: "temperature" (°C/°F)
ie: "relative humidity" (%)

HEAT:
Allows you to adjust/increase (upward) required temperature settings.

HEAT:
Allows you to adjust/decrease (downward) required temperature settings.

FAN:
No Function

FAN:
No Function



Operating Instructions

DEHUMIDIFYING OPERATING INSTRUCTIONS

Before Starting This Unit

Select a suitable location, making sure you have easy access to an electrical outlet.

Dehumidifying is a means of removing moisture from the air. A dehumidifier will help to protect your home and valued possessions from damage caused by moisture (swelling) during high humidity conditions. Essentially a dehumidifier removes moisture from the air, as moist air passes over a dehumidifying coil (evaporator).

Moisture is condensed onto the evaporator, drained and collected inside an internal water tank. The exhausted air being returned into the room environment is elevated several degrees causing the surrounding air temperature to increase (slightly). This process also contributes to lowering the relative humidity of surrounding air.

Location:

To obtain maximum operating efficiency from your dehumidifier, the recommended (room ambient) operating temperature should be between 15.5°C/60°F - 32°C/90°F.

It is important to remember the efficiency of a dehumidifier will be affected/influenced by the rate at which new moisture is allowed to infiltrate the same space/area. To maintain efficiency, the dehumidifier must be operated in an enclosed area. Keep all doors and windows closed.

Select a suitable location making sure there are no obstructions restricting airflow at the front and back of the unit.


Installation:

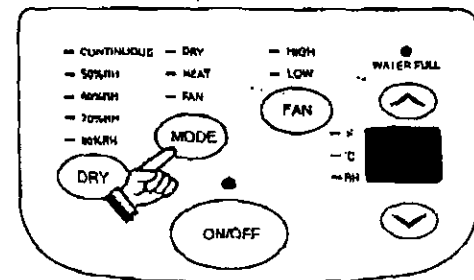
1. Connect the power cord into a properly grounded polarized 110/115 volt A/C receptacle. (For your safety, please refer to grounding instructions page 3).
2. Make sure the water tank is properly installed inside the cabinet. If the (red) "water full" light starts flashing when the unit is plugged in, the water tank is not properly installed.
3. When the unit is first connected to a power supply, the (green) pilot light located directly above the "On/Off" keypad will flash continuously (this is normal). The flashing light indicates the circuit board encountered a power failure/interruption (from being unplugged). The flashing light condition will cease immediately when the unit is switched on using the On/Off key pad and the unit will automatically default to the factory setting previously described. The default setting cannot be re-programmed.

Dehumidifying:

The dehumidifier mode provides a feature that will allow you the option of reading current room ambient temperatures in "Celsius" or "Farenheight".

Follow these steps:

1. Depress the MODE keypad. Each depression of the key pad will alternate through each of the optional modes. (DRY, HEAT, FAN). When the window adjacent to the "DRY" mode illuminates, the selection is complete.
2. Depress the  keypad, allowing you to alternate between the °C/°F RH settings adjacent to the LED display.
3. When the window adjacent to the °C illuminates, the LED will display the existing ambient room temperatures in "Celsius".
4. When the window adjacent to the °F illuminates, the LED will display the existing ambient room temperatures in "Farenheight".
5. When the window adjacent to the RH illuminates, the LED will display existing room humidity conditions as a "percentage" (%) value.



Operating Instructions (Cont.)

Selecting a Relative Humidity Setting:

All of the settings on your dehumidifier are electronically controlled.

50% maintains a 50% Relative Humidity level
 60% maintains a 60% Relative Humidity level
 70% maintains a 70% Relative Humidity level
 80% maintains a 80% Relative Humidity level
 "CONTINUOUS" will dehumidify "non-stop"

To select a Relative Humidity setting, (Continuous, 50%, 60%, 70%, 80%)

1. Depress the "DRY" keypad until the required setting is selected. Each depression of the keypad will change the relative humidity setting, identified by the illuminated window adjacent to your selection made. (If existing relative humidity conditions in your room register "lower" than the relative humidity level selected, **No dehumidifying will take place** (flashing green window). The fan will operate but the compressor will remain in an off cycle, until the relative humidity level is lowered accordingly (below RH level of room).

Selecting a Fan Speed Mode:

1. To select a fan speed, each depression of the "Fan" keypad will alternate between the "High" & "Low" fan speed settings, identified by the illuminated window adjacent to your selection.

Heat mode:


The Heat mode provides a feature that will allow you the option to setting temperatures in either "Celsius" or "Farenheight".

NOTE: This must be accomplished before you pre-select the HEAT mode option

It is not possible to access existing ambient room conditions during HEAT mode.

Follow these steps:

1. Depress the **MODE** keypad to select either **DRY** or **FAN**, identified by the illuminated window adjacent to the selection.


2. Depress the  keypad, allowing you to alternate between the °C/°F RH settings adjacent to the LED display
3. When the window adjacent to the °C illuminates, the LED will display temperatures in "Celsius".
4. When the window adjacent to the °F illuminates, the LED will display temperatures in "Farenheight". The illuminated RH window automatically defaults to the °C (Celsius) scale


HEAT MODE:

To select "Heat", depress the "mode" key pad. Each depression of the key pad will alternate through each of the optional modes. (DRY, HEAT, FAN) When the window adjacent to the "Heat" mode illuminates, the selection is complete.

Temperature:

To select/adjust "temperature" depress either of the  /  key pads.

The  keypad increases temperature settings. (as outlined below)

The  keypad decreases temperature settings. (as outlined below)

(Celsius scale 1° increments) Adjustable temperature range 10°C-32°C)

(Farenheight scale 2° increments) Adjustable temperature range 48°F-92°F)

The temperature appearing in the LED display is the temperature at which heater will cycle.

Both heater and fan will stop, when the ambient room temperature reaches the set temperature, displayed in the LED window

Fan Speed:

Each depression of the "Fan" keypad will alternate between the "High" & "Low" fan speed settings, identified by the illuminated window adjacent to your selection.

- High Fan: will produce 1150 watts of Heating output.
- Low Fan will produce 950 watts of Heating output


Operating Instructions (Cont.)

Fan Mode:

Fan Mode helps to purify and circulate indoor air.

The Fan Mode provides a feature that will allow you the option of reading current room ambient temperatures in "Celsius" or "Farenheight".

Follow these steps.

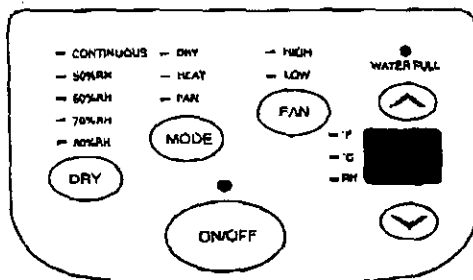
1. Depress the MODE keypad, Each depression of the key pad will alternate through each of the optional modes. (DRY, HEAT, FAN). When the window adjacent to the "FAN" mode illuminates the selection is complete.
2. Depress the  keypad, allowing you to alternate between the °C/F settings adjacent to the LED display.
3. When the window adjacent to the °C illuminates, the LED the will display existing ambient room temperatures in "Celsius".
4. When the window adjacent to the °F illuminates, the LED will display existing ambient room temperatures in "Farenheight".
5. When the window adjacent to the RH illuminates, the LED will display existing room humidity conditions as a "percentage" (%) value.

Mode:

To select "Fan" depress the "mode" key pad. Each depression of the key pad will alternate through each of the optional modes. (DRY,HEAT,FAN). When the window adjacent to the "FAN" mode illuminates the selection is complete.

Fan Speed

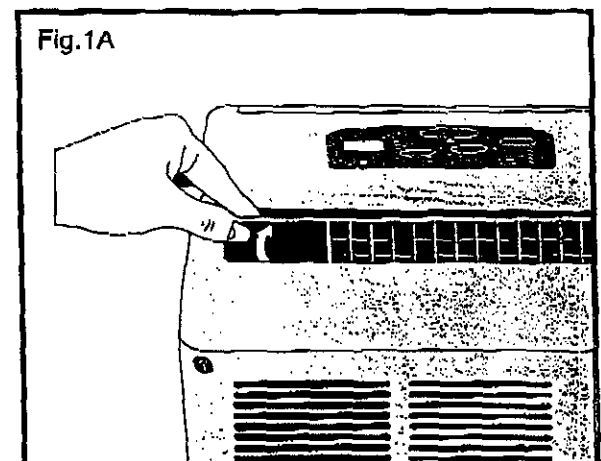
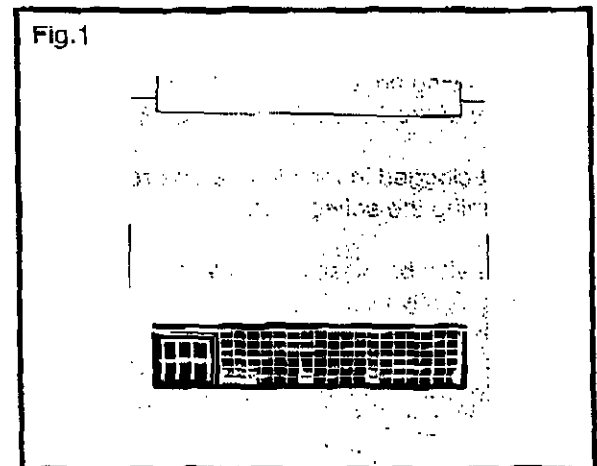
Each depression of the "Fan" keypad will alternate between the "HIGH" & "LOW" fan speed settings, identified by the illuminated window adjacent to your selection.



Adjustable Air Flow Direction:

The adjustable air flow discharge port is located on the top of the dehumidifier. (See Fig. 1).

1. The word "PUSH" is stamped on each side of the air discharge cover. Push these locations and the air discharge port will rotate (open) approximately 85°. (See Fig. 1A). It is recommended to keep the air discharge port fully open at all times during operation (all modes).
2. If the air discharge port is accidentally closed during operation, it will not damage the unit. The air circulation will automatically discharge through the rear of the unit. However, operating efficiency of the unit may be compromised.



Operating Instructions (Cont.)

Air Freshener Dispenser:

Your dehumidifier features an air freshener dispenser, located next to the air flow discharge port. Fresheners are not included with the unit. These items can be purchased through your local grocery store.

Place the freshener (solid/liquid) inside the dispenser, the aroma will be disbursed with the out-going air.

See Fig. 2

Removable Air Filter:

Your dehumidifier features a removable air filter, located on top (front section) of the unit. The filter will help reduce/minimize dust and dirt particles in the environment. Never operate the dehumidifier without the air filter in place.

Check the filter regularly (every 2 weeks), if it becomes blocked/clogged, incoming airflow will be restricted reducing operating efficiency. More frequent cleaning may be necessary depending upon indoor air quality.

To remove the filter:

1. Pull upward (using fingers) where the filter frame meets the top of the front grill (See Fig. 3)
2. Dust and dirt clogged in the filter can be removed by vacuum cleaning the soiled areas.
3. The filter can also be washed in lukewarm soapy water while rubbing lightly with a brush. Use a mild detergent/soap only.
4. Rinse the filter with fresh clean water. Allow time to dry before re-installing inside the unit.

NEVER WASH OR DRY THE FILTER IN A DISHWASHER.

5. Replacement air filters are available through your local Sears Parts Department. (1-800-366-PART)
7278

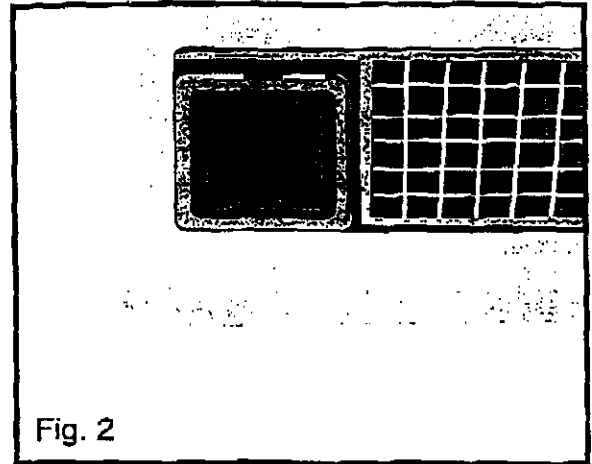


Fig. 2

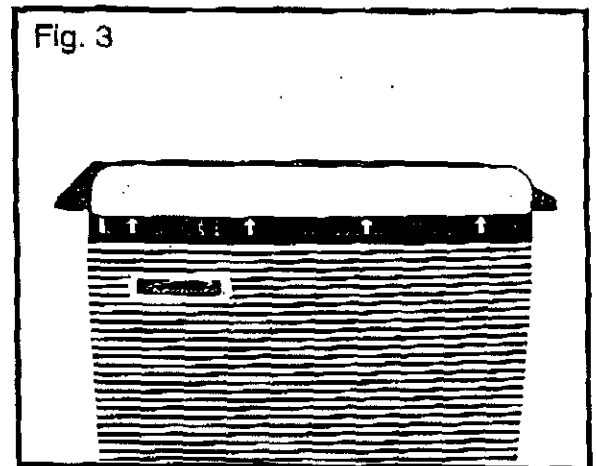


Fig. 3

Care and Maintenance

CAUTION: Before attempting to clean and/or service this unit, disconnect the power supply cord from any electrical power supply/outlet.

1. **DO NOT** use gasoline, benzene thinner, or any other chemicals to clean this unit, as these substances will damage/deform both plastic components and luster finish.
2. Never attempt to clean the unit by pouring water directly over any of the surface areas, as this will cause deterioration of electrical components and wiring insulation.
3. Use only a mild dishwashing detergent, lukewarm water and a soft cloth to wipe the exterior surface of the unit.

Direct Drain Feature:

Your dehumidifier is featured with a standard 1" diameter garden hose connection. (The drain hose is not included with the unit, it can be purchased at any local hardware store). This application is best suited for basement applications inclusive of a floor drain.

To connect the direct drain features, follow these procedures:

1. Remove the water tank completely from the cabinet.
2. Remove the accessories bag containing the following components (*See accessories*).
3. Remove the float switch blocker from accessories bag.
4. Insert the blocker into the float switch assembly compartment, (*See Fig.5*) located (rear top right hand corner) inside the water tank enclosed area.
5. Direct Drain dehumidifying is not possible, unless the float switch blocker is installed. (*See Fig.5*)
6. Connect the required length of hose to the garden hose connection located at the top left front corner of the water tank enclosure.
7. Place the open end of the garden hose directly over the floor drain.

IMPORTANT NOTE: When direct drain dehumidifying is complete, you must "remove" the float switch blocker if your intentions are to resume dehumidifying utilizing the internal water tank. Failure to remove the blocker will render the float switch (safety shut-off) mechanism inoperable, resulting in "flooding" conditions.

Accessories




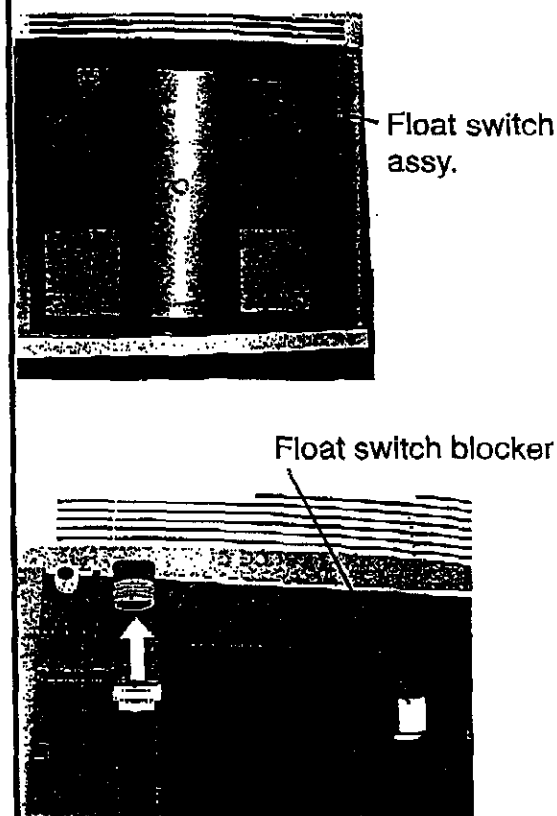
DESCRIPTION	ILLUSTRATION	QUANTITY
Hose Adapter		1
Hose seal washer		1
Float switch Blocker		1

Fig. 5



Storage

When the dehumidifier is not being used for long time periods, please follow these instructions.

1. Disconnect the power cord from the power supply.
2. Empty the water tank and wipe (clean) thoroughly.
3. Clean air filter thoroughly
4. Re-package the unit in the original carton.
5. Store the unit upright

TROUBLE SHOOTING GUIDE

Frequently, a problem is minor and a service call may not be necessary. Use this troubleshooting guide to identify possible problems you may be experiencing. If the unit continues to operate improperly, call 1-800-4-MY-HOME for assistance. (1800-469-4663)

PROBLEM	POSSIBLE CAUSE
Unit will not operate.	Check power cord connection. Check electrical outlet for blown fuse. Check if water tank is full (empty). Check water tank is properly installed.
Dehumidifying capacity (moisture removal) low.	Air filter is dirty and/or blocked. Ambient room temperature too low. (below 15.5°C/60°F) Poor airflow circulation / obstruction.
Relative Humidity setting not reached after long period of operation.	Check all doors and windows are closed. Area/room is too large for the capacity of the dehumidifier.

SEARS**WITHIN U.S.A. ONLY
KENMORE LIMITED WARRANTY**

What Is Covered	How Long Warranted (From Date of Sale)	What Sears Will Do, Free of Charge, in Case of Defect	
		Parts	Labor
		At SEARS Option, Either Repair Part or Supply Replacement Part for:	Install Repaired or Replacement Part for:
The Compressor	Five (5) Years	Five (5) Years	Five (5) Years
The Sealed System (consists of evaporator, condenser, and refrigerant)	Five (5) Years	Five (5) Years	Five (5) Years
All Other Parts / Adjustments	One (1) Year	One (1) Year	One (1) Year

If any service is required under this warranty simply contact your nearest Sears outlet. This warranty is in addition to any statutory warranty. The above warranty covers KENMORE Refrigerators, Air Conditioners & Dehumidifiers sold and operated in the U.S.A. only and shall not apply if used for commercial purposes.

Normal responsibility of the Customer

The following items, since they are not manufacturing defects, are not included in the Warranty, but are the responsibility of the Customer:

- (1) Damage to finish after delivery.
- (2) Improper power supply, low voltage, or any defect in the house wiring system or appliance not connected to the electric outlet.
- (3) Damage caused by moving the product from its original installation.
- (4) Service required as a result of alteration, abuse, fire, floods or acts of God.
- (5) Providing adequate air circulation to the refrigerating system.
- (6) Proper use and care of the product as listed in the customer's manual; Proper setting of controls.

Sears Roebuck and Co., Dept. 817WA,
Hoffman Estates, IL, U.S.A. 60179

For in-home major brand repair service:

Call 24 hours a day, 7 days a week
1-800-4-MY-HOMESM (1-800-469-4663)

For the repair or replacement parts you need:

Call 7 am - 7 pm, 7 days a week
1-800-366-PART (1-800-366-7278)

For the location of a Sears Parts and Repair Center in your area:

Call 24 hours a day, 7 days a week
1-800-488-1222

**For information on purchasing a Sears Maintenance Agreement
or to Inquire about an existing Agreement:**

Call 9 am - 5 pm, Monday - Saturday
1-800-827-6655



The Service Side of SearsSM