

# IMPORTANT INSTRUCTIONS - OPERATING MANUAL

Model:  
DH55



Dehumidistat

## READ AND SAVE THESE INSTRUCTIONS

READ CAREFULLY BEFORE ATTEMPTING TO ASSEMBLE, INSTALL, OPERATE OR MAINTAIN THE PRODUCT DESCRIBED. PROTECT YOURSELF AND OTHERS BY OBSERVING ALL SAFETY INFORMATION. FAILURE TO COMPLY WITH INSTRUCTIONS COULD RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE!

**RETAIN INSTRUCTIONS FOR FUTURE REFERENCE.**

## GENERAL SAFETY INFORMATION

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock and injury to person, including the following:

1. Read all instructions before installing or using switch.
2. Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
3. Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-related construction.
4. When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
5. This unit must be grounded.
6. **NEVER** place a switch where it can be reached from a tub or shower.

**NOTICE:** This device is intended to be used in conjunction with an Air King exhaust fan that clears the air of excessive moisture as may occur after showering. This device **CAN NOT** reduce relative humidity below the level of the main living space.

## INSTALLATION INSTRUCTIONS

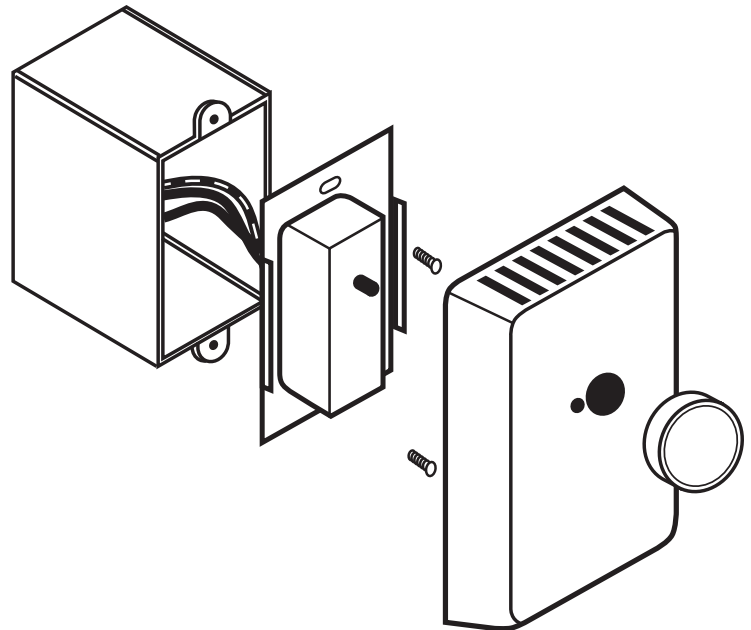
**CAUTION:** INSTALLATION BY A LICENSED ELECTRICIAN IS RECOMMENDED. INSTALLATION AND USE OF THIS EQUIPMENT SHOULD BE IN ACCORDANCE WITH PROVISIONS OF THE NATIONAL ELECTRICAL CODE, APPLICABLE LOCAL CODES AND PERTINENT INDUSTRY STANDARDS.

**CAUTION:** TURN POWER OFF AT CIRCUIT BREAKER OR FUSE PANEL.

1. Unpack dehumidistat from the carton and confirm that all pieces are present. You should have:
  - 1 - Switch
  - 1 - Switch Cover
  - 1 - Bag Containing:
    - 1 - Knob
    - 1 - Cover Screw
    - 2 - Gang Box Mounting Screws
  - 1 - Instruction/Safety Sheet

**NOTE:** This unit is designed to fit over a single gang box

2. Determine dehumidistat location. This control should be mounted on an inside wall where normal air circulation can surround the control.
3. Remove cover from back plate.

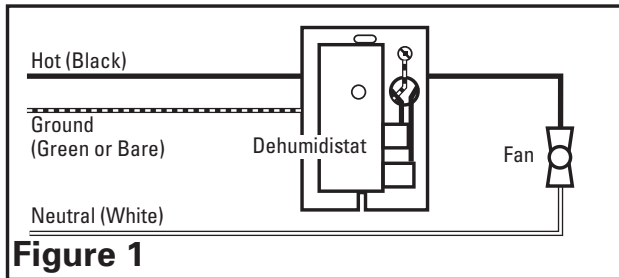


## SAVE THESE INSTRUCTIONS

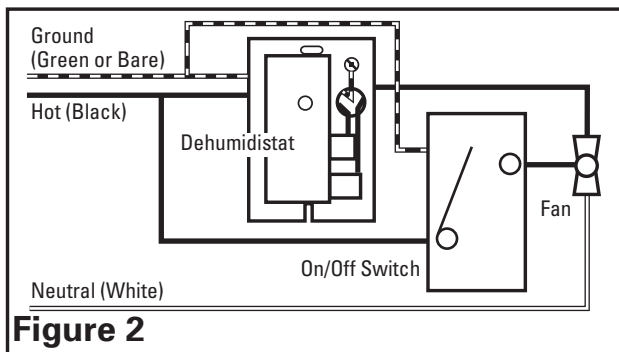
## WIRING

**CAUTION:** ALL ELECTRICAL CONNECTIONS MUST BE MADE IN ACCORDANCE WITH LOCAL CODES, ORDINANCES, OR NATIONAL ELECTRICAL CODE. IF YOU ARE UNFAMILIAR WITH METHODS OF INSTALLING ELECTRICAL WIRING, SECURE THE SERVICES OF A QUALIFIED ELECTRICIAN.

- 3a. **Dehumidistat Only:** For installations where the fan is to be controlled from the dehumidistat only. Connect one of the Black leads from the dehumidistat to the Hot (Black) wire from the power supply. Connect the other Black lead from the dehumidistat to the Black wire from the fan. Connect the ground wire to the ground screw (see wiring diagram below). Use approved methods for all connections (**Figure 1**).



- 3b. **Dehumidistat with manual On switch:** For installations where a switch (not included) to manually turn the fan on is preferred or required, run two Hot (Black) wires from the power source. Connect one Hot (Black) wire to one of the black leads of the dehumidistat. Connect the other Hot (Black) wire from the power source to the on switch. Connect the other Black lead from the dehumidistat to the Black wire from the fan. Run a Black wire from the on switch to the Black wire of the fan (both the Black wire from the dehumidistat and the Black wire from the on switch will be connected to the Black wire from the fan). Connect ground wires from the power source to the ground screw of the dehumidistat and the on switch (**Figure 2**).



4. Mount back plate securely to gang box with screws provided in the parts package.

**NOTE:** Make sure the back plate is flat without any undue stress.

5. Re-install front cover and secure with cover screw supplied in parts pack.

6. Turn power on at circuit breaker or fuse panel.

## OPERATING INSTRUCTIONS

Using the adjustment knob, turn the dehumidistat down to its lowest setting, then to the highest setting. Cycle at least 3 times to assure proper system function. Return control knob pointer to desired setting.

**DEHUMIDISTAT:** The dehumidistat is designed to automatically power the fan when the humidity level rises above the chosen level. If the fan is not operating, adjust the humidity setting on the dehumidistat to a lower setting. Once the desired humidity level is reached, the fan will automatically turn off.

**MANUAL ON SWITCH:** An optional manual on switch allows the user to power the fan no matter what the humidity level is. When the switch is turned on, the fan will turn on. This is especially useful for odor control in bathrooms.

**NOTE:** Either the dehumidistat OR the on switch can power the fan. To turn the fan off, both the dehumidistat and the manual on switch must be off.

**CAUTION:** NEVER USE THE DEHUMIDISTAT SWITCH AS A MEANS TO TURN OFF THE POWER TO THE FAN WHEN SERVICING. ALWAYS TURN THE POWER OFF AT THE CIRCUIT BREAKER OR FUSE PANEL.

## LIMITED WARRANTY

**WHAT THIS WARRANTY COVERS:** This product is warranted against defects in workmanship and/or materials.

**HOW LONG THIS WARRANTY LASTS:** This warranty extends only to the original purchaser of the product and lasts for one (1) year from the date of original purchase or until the original purchaser of the product sells or transfers the product, whichever first occurs.

**WHAT AIR KING WILL DO:** During the warranty period, Air King will, at its sole option, repair or replace any part or parts that prove to be defective or replace the whole product with the same or comparable model.

**WHAT THIS WARRANTY DOES NOT COVER:** This warranty does not apply if the product was damaged or failed because of accident, improper handling or operation, shipping damage, abuse, misuse, unauthorized repairs made or attempted. This warranty does not cover shipping costs for the return of products to Air King for repair or replacement. Air King will pay return shipping charges from Air King following warranty repairs or replacement.

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Some states and provinces do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so these exclusions or limitations may not apply to you. This warranty gives you specific legal rights. You may also have other rights which vary from state to state and province to province. Proof of purchase is required before a warranty claim will be accepted.

## CUSTOMER SERVICE:

Toll-Free (800) 465-7300

Our Customer Service team is available to assist you with product questions, service center locations, and replacement parts. They can be reached Monday through Friday, 8am-4pm Eastern. Please have your model number available, as well as the type and style (located on the label inside of your product).

Please do not return product to place of purchase.

[www.airkinglimited.com](http://www.airkinglimited.com)

**PARTS FOR DISCONTINUED, OBSOLETE AND CERTAIN OTHER PRODUCTS MAY NOT BE AVAILABLE. DUE TO SAFETY REASONS, MANY ELECTRONIC COMPONENTS AND MOST HEATER COMPONENTS ARE NOT AVAILABLE TO CONSUMERS FOR INSTALLATION OR REPLACEMENT.**