

# Honeywell

## DH90 Whole House Dehumidifier *with fresh air ventilation*

### *Owner's Manual*



***Dehumidification • Fresh Air Ventilation  
Air Filtration • Energy Efficient***



**CAUTION:**

Servicing the DH90 with its high pressure refrigerant system and high voltage circuitry presents a health hazard which could result in death, serious bodily injury, and/or property damage. Call your HVAC contractor.



**CAUTION: ELECTRICAL SHOCK HAZARD**

Electrical power must be present to perform some tests. These tests should be performed by a qualified service technician.

**Read and save these instructions.**

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## Features and Benefits

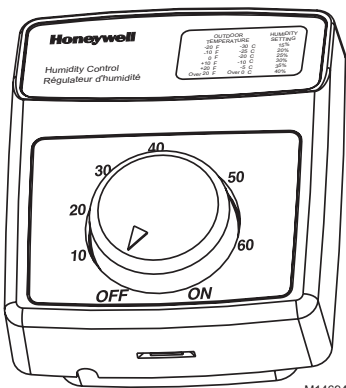
The Honeywell DH90 Whole House Dehumidifier is designed to provide ultimate indoor air quality. The DH90 provides the three key components of healthy indoor air: fresh air ventilation, particulate filtration and humidity control. At the heart of the DH90 is a high capacity, energy efficient dehumidifier capable of removing over 90 pints (11.2 gallons) of water per day (at 80°F, 60% relative humidity), while using only 6.2 amps of electricity (120V). This allows the unit to maintain indoor humidity levels below 50%, the level widely recognized as critical for controlling mold and mildew.

- Dehumidification
- Fresh Air Ventilation Control
- Air Filtration
- Energy Efficient

## Operating Instructions

### How do I set the humidity level?

The DH90 dehumidifier is controlled by the Honeywell H8908 dehumidistat. The dehumidistat sets the humidity level within the home much like a thermostat sets the temperature. Set the dehumidistat to your comfort level. A typical setting of 30 should keep the home comfortable for most. If the home is too dry, set the dehumidistat to a higher level. If the home is too damp, set the dehumidistat to a lower level. There is also a chart on the front of the dehumidistat that lists recommended settings based on the outdoor temperature.



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## Fresh Air Ventilation with:

### W8150 Fresh Air Ventilation Controller

The DH90 comes with the Honeywell W8150 fresh air ventilation control. The W8150 along with the optional Y8150 damper automatically controls the ventilation based on the size of your home, number of bedrooms and airflow of your HVAC system based upon ASHRAE 62.2 Standard. Please see the installation guide or talk to your installing contractor on how to set your W8150.



### Optional Y8150 Damper

The Y8150 damper provides optimal ventilation control when wired with the W8150 fresh air controller. Contact your installing contractor to purchase and install the damper if your Honeywell Whole House Dehumidifier was not installed with one.



## Maintenance

The DH90 is equipped with a MERV 11 media filter. This filter should be checked every three months. Operating the unit with a dirty filter will reduce dehumidifier capacity and efficiency and may cause the compressor to cycle off and on unnecessarily on the defrost control.

A MERV rating of 11 means the filter is 85% to 95% minimum efficient at capturing a broad range of particles. For greatest filtration and efficiency of the DH90, it is recommended the air filter be replaced every three months with a MERV 11 rated filter.

Check drain outlet and hose once a year to clear drain of any debris.



### **CAUTION: EQUIPMENT DAMAGE HAZARD:**

DO NOT operate the unit without the standard filter or with a less effective filter than the standard MERV 11 filter. The heat exchange coils inside the unit could become clogged and require disassembly to clean.

## Warranty Information

Honeywell warrants this product, excluding battery, to be free from defects in the workmanship or materials, under normal use and service, for a period of five (5) years from the date of purchase by the consumer. If at any time during the warranty period the product is determined to be defective or malfunctions, Honeywell shall repair or replace it (at Honeywell's option).

If the product is defective, Contact your installing contractor for return information.

This warranty does not cover removal or reinstallation costs. This warranty shall not apply if it is shown by Honeywell that the defect or malfunction was caused by damage which occurred while the product was in the possession of a consumer.

Honeywell's sole responsibility shall be to repair or replace the product within the terms stated above. HONEYWELL SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE OF ANY KIND, INCLUDING ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING, DIRECTLY OR INDIRECTLY, FROM ANY BREACH OF ANY WARRANTY, EXPRESS OR IMPLIED, OR ANY OTHER FAILURE OF THIS PRODUCT. Some states do not allow the exclusion or limitation of incidental or consequential damages, so this limitation may not apply to you.

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This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

If you have any questions concerning this warranty, please write Honeywell Customer Relations, 1985 Douglas Dr., Golden Valley, MN 55422 or call 1-800-468-1502. In Canada, write Retail Products ON15-02H, Honeywell Limited/Honeywell Limitée, 35 Dynamic Drive, Scarborough, Ontario M1V 4Z9.

## Automation and Control Solutions

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