

# Ultra-Aire™ DEH 3000 Digital Controller

The Ultra-Aire DEH 3000 Digital Control is designed to integrate with the Ultra-Aire line of whole house ventilating dehumidifiers and allows homeowners to precisely monitor and control moisture levels, manage fresh air ventilation (with optional damper) and activate air filtration – all from the convenience of their living space.



## Ultra Aire DEH 3000 Specifications

<b>Part #:</b>	4028539
<b>Model:</b>	DEH 3000
<b>Operating Voltage:</b>	24 VAC
<b>Max Current - DMP, COMP, FAN:</b>	1 AMP each
<b>Humidity Range/Accuracy:</b>	10 - 95% RH $\pm$ 5%
<b>Auxillary Relay Capacity:</b>	5AMPS, 24VAC
<b>Temp Range/Accuracy:</b>	30° - 90°F, $\pm$ 2°
<b>Size:</b>	4.95"L x 1.06"W x 4.19"H

## Functions that only the DEH 3000 Digital Controller Offers

- **Central Fan Integration** – operates A/C fan with dehumidifier operation
- **A/C Sensor** – automatically activates or deactivates the dehumidifier when the air conditioner runs
- **High Temperature Cut-Out** – disables dehumidifier operations if household temperatures reach the cutout setpoint
- **Dry Out Cycle Timer** – automatic fan cycling to ensure dry and clean coils
- **Auto Reboot** – resumes operation with prior settings in the event of power failure

## Ventilation Options

### Three damper operation modes:

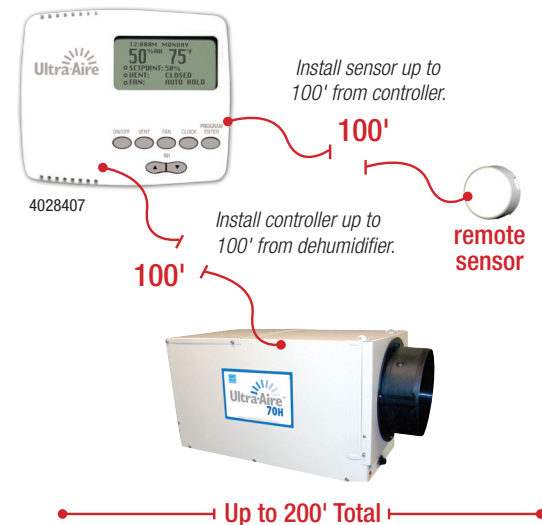
1. **“OPEN” – hold mode:** The damper will be open and the dehumidifier fan will be continuously operating to introduce fresh air into the space. Use this mode for continuous fresh air ventilation. The fan is always on when the damper is open.
2. **“CLOSED” – hold mode:** The damper will never open, and the dehumidifier will not ventilate. The fan will still operate normally for recirculation and dehumidification.
3. **“PROGRAMMED” mode:** The DEH 3000 will operate the motorized damper and the dehumidifier fan according to the programmed ventilation schedule.

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without

Ultra-Aire™

# Ultra-Aire™ DEH 3000R Digital Controller

The Ultra-Aire DEH 3000R Digital Controller features a remote sensor that can be placed up to 100 feet away from the controller. The remote sensor allows the homeowner to accurately control and monitor the temperature in a given area and provides the option to have a virtually invisible appearance on the wall.



## Ultra-Aire DEH 3000R Specifications

<b>Part #:</b>	4028407
<b>Model:</b>	DEH 3000R
<b>Operating Voltage:</b>	24 VAC
<b>Max Current - DMP, COMP, FAN:</b>	1 AMP each
<b>Humidity Range/Accuracy:</b>	10 - 95% RH $\pm$ 5%
<b>Auxiliary Relay Capacity:</b>	5AMPS, 24VAC
<b>Temp Range/Accuracy:</b>	30° - 90°F, $\pm$ 2°
<b>Size:</b>	4.95"L x 1.06"W x 4.19"H



	Ultra-Aire™ 70H	Ultra-Aire™ 90H	Ultra-Aire™ 100V	Ultra-Aire™ XT150H
<b>Water Removal*</b>	70 pints/day	90 pints/day	105 pints/day	150 pints/day
<b>Current Draw</b>	5.3 amps	6.7 amps	6.5 amps	6.9 amps
<b>Efficiency</b>	4.9 pints/kWh	5.3 pints/kWh	6.2 pints/kWh	7.9 pints/kWh
<b>Energy Factor</b>	2.32 L/kWh	2.5 L/kWh	2.9 L/kWh	3.7 L/kWh
<b>Sized For</b>	Up to 1800 Sq. Ft.	Up to 2200 Sq. Ft.	Up to 2500 Sq. Ft.	Up to 3500 Sq. Ft.
<b>Air Filter</b>	MERV-11	MERV-11	MERV-11	MERV-11
<b>Dimensions</b>	28"W x 12"H x 12"D	15.5"W x 21"H x 34.5"D	21"W x 42"H x 17"D	42"W x 28.5"H x 24"D
<b>Weight</b>	55 lbs	92 lbs	119 lbs	164 lbs

\*at 80°F and 60% RH