Aprilaire®

8600 Series IAQ Controls

Model
8620W
Shown

ABC Heating &
COOLING
(123) 456-7890
HeatingCooling.com

Programmable

8600
Universal 2H/2C
or 4H/2C HP
Touch screen

8620
Universal 2H/2C or 4H/2C HP
Event-Based™ Air Cleaning
Humidity or Ventilation
Touch screen
Includes Outdoor
Temperature Sensor

8620W
Universal 2H/2C or 4H/2C HP
Event-Based™ Air Cleaning
Humidity or Ventilation
Includes Outdoor
Temperature Sensor
Wi-Fi Touch screen

amazon alexa

works with the
Google Assistant

8600 Series Features & Benefits

BUMPER to BUMPER
5-YEAR
WARRANTY

✓ Real Language Programming — No Codes
to Remember, No Manual to Reference

✓ Large 10.3 sq. in. touch screen

✓ High and Low Balance Point
(Requires Outdoor Temperature Sensor)

✓ Built-In Dual Fuel Kit

✓ Dual Power **Models 8600, 8620**

✓ Maintenance Reminders

✓ Programmable Fan and Circulate Fan Mode

✓ Free Custom Imprinted Covers

8600 Series UNIVERSAL PROGRAMMABLE THERMOSTATS

EASY TO INSTALL & MAINTAIN

+ Water panel, air filter, dehumidifier and HVAC service indicators

+ Dual Powered (choice of battery-powered or hardwired, for all applications) Models 8600, 8620

+ Easy-to-wire terminal block

+ Universal 2H/2C Conventional and 4H/2C Heat Pump

+ Configurable heating and cooling, heating only or cooling only operation

+ Remote indoor sensor option w/8051/8053 sensors

+ Dual fuel operation built-in (auto lock-out of compressor with call for fossil fuel aux heat)

+ Adjustable differential for 1st, 2nd, 3rd and 4th stage

+ Configures as manual heat/cool, or with auto changeover

ENGINEERED FOR EXCELLENCE

+ Millivolt compatible

+ High and low balance point (requires 8052 outdoor temperature sensor)

+ Display temperature offset (+/-4°)

+ Circulate fan mode

+ Multiple hold options maximizes comfort and energy savings
  - Vacation hold
  - Customizable timed hold
  - Permanent hold

+ 5-year warranty

Models 8620 & 8620W Only

Whole-Home Comfort Control

Humidity Control
+ Displays Indoor RH on User Interface

Fresh Air Ventilation
+ Can be set up to use ASHRAE 62.2 guidelines

Air Cleaning
+ Event-Based™ Air Cleaning
  - Constant Cleaning 24/7
  - Automatic (30 min/hr)
  - Event Clean (3 hr cycle)
  - Allergy (24 hr cycle)

EASY & CONVENIENT TO USE

+ Displays room temperature, temperature setting and outdoor temperature simultaneously. (Outdoor temperature display requires 8052 outdoor temperature sensor.)

+ Large 10.3 sq. in. LCD with high contrast for easier reading

+ Bright, white backlit display with constant low intensity light option

+ Programmable fan

+ "Copy" function for quick and easy programming

+ Real time clock automatically adjusts for daylight savings time

+ Exclusive message center (provides feedback and real language instructions)

+ Full or limited screen lockout

+ Progressive recovery

+ Built-in equipment protection

+ Equipment stage indication

+ Permanent memory — programming, and schedule are not lost during a power outage

+ Real language programming/set up — no manual needed, no codes to memorize

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Dimensions

4 15/16" High x 6" Wide x 1 5/16" Deep

Accessories

8052 Outdoor Temperature Sensor (included with Models 8620/8620W)

8051 Flush Mount Indoor Temperature Sensor

8053 Surface Mount Indoor Temperature Sensor

Model 8052 Shown

Thermal Specifications

Control Range: 45° to 99°F (7° to 32°C)

Display Range: 32° to 99°F (0° to 40°C)

Accuracy: ± 1°F (± .5°C)

Storage Temperature: -30° to 140°F (-34.4° to 60°C)

Operating Humidity: 5% to 90% relative humidity

Operating Ambient Temperature: 32° to 120°F (0° to 48.9°C)

Shipping Temperature Range: 30° to 140°F (-34.4° to 60°C)

Electrical Specifications

24 VAC (18-30 VAC)

1 amp maximum load per terminal

2.5 amp total maximum load (all terminals)

AC Power: 18-30 Volt AC

DC Power: 3.0 Volts DC (2 "AA" Alkaline batteries included w/Models 8600 & 8620)

Standard systems gas, oil, electric

Single stage/heat pump/multi-stage

Millivolt systems

Terminal Designations: C, B, O, Y, Y2, G, RC, R, W2, W, L, S2, S1, T1, T2 Models 8620 & 8620W also have I$_1$ & I$_2$

Aprilaire®
Trusted Solutions for a Healthy Home®