AprilAire Thermostat

8600 Series IAQ Controls

Features:

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

- Large 4.5" diagonal touch screen

- High and low balance point (requires 8052 outdoor temperature sensor, included)

- Maintenance Reminders

- Programmable Fan and Circulate Fan Mode

- Free Custom Imprinted Covers

Download the AprilAire Wi-Fi Thermostat App

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
Wi-Fi
Touch Screen
Includes Outdoor Temperature Sensor

WiFi ENABLED

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 temperature available with optional 8051 flush mount or 8053 surface mount 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, included)
- Display temperature offset (± 4ºF)
- 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 4.5" diagonal LCD with high contrast for easier reading
- Bright, white backlit display with constant low intensity light option
- "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 custom schedules are not lost during a power outage. Time and date are restored with Wi-Fi connection

8600 Series IAQ Controls

DIMENSIONS

6.00" x 4.85" x 1.25"

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 of ECM**
  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**)

• Millivolt systems

Terminal Designations:

• C, B, O, Y, Y2, G, RC, R, W2, W, L, S2, S1, T1, T2
  Models 8620 & 8620W also have I1 & I2

5 YEAR WARRANTY