

# **8600 Series IAQ Controls**



8620W Shown

## **Programmable**



#### 8600

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



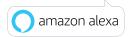
#### 8620

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





### 8600 Series Features & Benefits

- 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 batterypowered 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

#### **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



#### **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  $\rm I_1$  &  $\rm I_2$ 



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