

AprilAire[®]

Thermostat

SPECIFICATION SHEET

8400 Series IAQ Controls



Features:

- Large, 3.25 sq. in. Backlit Display
- Built-in Dual Fuel Control
- Circulate Fan Mode for Better IAQ
- Built-in User Manual
- Maintenance Reminders
- High & Low Balance Point with Outdoor Temperature Sensor
- Free Custom Imprinted Covers



Download the AprilAire
Wi-Fi Thermostat App



NON-PROGRAMMABLE



8444
1H/1C

8446
2H/1C HP

8448
Universal 2H/2C
or 4H/2C HP

PROGRAMMABLE



8463
1H/1C

8465
2H/1C HP

8466
Universal 2H/2C
or 4H/2C HP

8476
Universal 2H/2C or 4H/2C HP
Event-Based™ Air Cleaning

PROGRAMMABLE WI-FI



8476W
Universal 2H/2C
or 4H/2C HP
Event-Based™
Air Cleaning
Wi-Fi

EASY TO INSTALL & MAINTAIN

- Dual Powered (For all applications, can be battery-powered or hardwired. Wi-Fi model is hardwired only.)
- Easy-to-wire terminal block
- Water panel, air filter, dehumidifier and HVAC service indicators
- Simple "set-up" menu makes installation a breeze
- System test mode ensures proper installation
- Quick reference instructions on board
- 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

ENGINEERED FOR EXCELLENCE

- Millivolt compatible
- High and low balance point (requires 8052 outdoor temperature sensor)
- Compressor lockout protection
- Display temperature offset (+/-4°F)
- Configures as manual heat/cool, or with auto changeover
- 5-year warranty

EASY & CONVENIENT TO USE

- Large 3.25" diagonal LCD with high contrast for easier reading
- Bright, white backlit display with constant low intensity light option
- Displays room temperature, temperature setting and outdoor temperature simultaneously (Outdoor temperature display requires 8052 outdoor temperature sensor.)
- Soft-touch keys
- Circulate fan mode
- Fahrenheit & Celsius
- Removable front access battery cover for fast, easy replacement

8400 Series IAQ Control Thermostats

PROGRAMMABLE MODELS

- Easy-to-use temperature control to override program schedule at anytime
- Progressive recovery
- Permanent program retention during power loss
- Indefinite setpoint Hold
- Choice of 5/1/1 day programmable, 5/2 day (7 day only **Model 8476W**)

MODEL 8476 & 8476W

- Clean Air button provides control of the air cleaning system and confirmation that the air is being cleaned
- The Clean Air button controls the Event-Based™ Air Cleaning
 - **ON 24/7:** Full time, non-stop air cleaning
 - **AUTO:** Cleans air when there is a heat or cool call
 - **CIRC 30/HR:** Circulates and cleans the air 30 minutes each hour
 - **EVENT 3 HR:** Cleans for a 3 hour period. When you vacuum, during a party.
 - **ALLERGY 24 HR:** Cleans for a continuous 24 hour period when allergies are most uncomfortable

DIMENSIONS

5.25" x 4.50" x 1.00"

Individual Carton: 5.80" x 4.80" x 1.75"

Master Carton: 10 per carton

Accessories:

- 8052 Outdoor 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
- Millivolt Systems
- **Terminal designations vary by model and include:**
Rc, R, W, Y, G, C, Sl, S2, 0/B, L, W2, Y2

