

Aprilaire®

8400 Series IAQ Controls



Model
8476
Shown

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

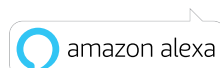
Universal 2H/2C or 4H/2C HP
Event-Based™ Air Cleaning



8476W

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

Event-Based™
Air Cleaning
Wi-Fi



8400 Series Features & Benefits

- ✓ Large 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



8400 Series THERMOSTATS

EASY TO INSTALL & MAINTAIN

- + Dual Powered (choice of battery-powered or hardwired, for all applications-non-Wi-Fi models 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 insures 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°)
- + Configures as manual heat/cool, or with auto changeover
- + 5-year warranty

EASY & CONVENIENT TO USE

- + Large 4.5 square inch 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

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

Standard Systems gas, oil, electric

Single Stage/Heat Pump/Multi-Stage

Millivolt Systems

Terminal Designations:

Rc, R, W, Y, G, C, S1, S2, O/B, L, W2, Y2

Programmable Models Only

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 Only

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