# Aprilaire®

# 8920W IAQ Control Thermostat
## Specification Sheet

Wi-Fi capabilities with the Aprilaire Wi-Fi Thermostat App on iOS and Android

3H/3C Conventional or 4H/2C Heat Pump

Programmable Home Comfort Control — Temperature, Humidity, Air Cleaning, Fresh Air Ventilation

Consists of user interface and Equipment Control Module

User interface allows control of all aspects of IAQ and HVAC products from a single touch screen thermostat

Only 3 wires are required to the user interface

Event-Based™ Air Cleaning

Heat Blast™ instant temperature override

Event Boost Fresh Air on demand

Control with Amazon Alexa

amazon alexa

## EASY TO INSTALL & MAINTAIN

+ Dual fuel operation (auto lockout of compressor w/call for back-up heat)

+ Programmable (or non-programmable)

+ Remote indoor sensor option w/8051/8053 sensors

+ Temperature offset ± 4°

+ High and low balance point control (requires 8052 sensor included)

+ Configurable manual heat/cool or auto changeover modes

+ Configurable for heating only or cooling only operation

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

## ENGINEERED FOR EXCELLENCE

+ Programmable fan

+ Progressive recovery

+ Built-in equipment protection

+ Equipment stage indication

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

+ Permanent memory — programming, time and date isn't lost during a power outage

+ Heat Blast™ allows one touch control of heating to raise room temperature 3°F to 5°F

+ 5-year warranty

## EASY & CONVENIENT TO USE

+ Large 7 inch diagonal touch screen

+ Large font size

+ Full color screen with adjustable intensity and screen saver options

+ Displays outdoor temperature (w/included 8052 sensor)

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

+ Full screen lockout

+ "Copy" function for quick and easy programming

+ Real time clock automatically adjusts for daylight savings time

### Dimensions

**User interface**
7.1″ x 4.4″ x 1″

**Equipment control module**
8.6″ x 9.6″ x 1.9″

### Accessories

8052 Outdoor Temperature Sensor (included)

8051 Flush Mount Indoor Temperature Sensor (optional)

8053 Surface Mount Indoor Temperature Sensor (optional)

8056 Wireless Outdoor Temperature and RH Sensor (optional)

Return Air Temperature Sensor (RAT) optional sensor provides protection with heating and cooling back-up control if connection is lost

Leaving Air Temperature Sensor (LAT) optional sensor provides the supply air temperature during the installer test

### Thermal Specifications

**Control range:** 40° to 99°F (4° 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 non-condensing

**Operating ambient temperature of user interface:** 32° to 120°F (0° to 48.9°C)

**Operating ambient temperature of ECM:** 32° to 158°F (0° to 70°C)

**Shipping temperature range:** -30° to 140°F (-34.4° to 60°C)

### Electrical Specifications

24 VAC powered (18-30 VAC)

1 amp maximum load per terminal

2.5 amp total maximum load (all terminals)

Standard systems gas, oil, electric

Single stage/heat pump/multi-stage

**Terminal Designations:**

*User interface:* 1, 2, 3

*Equipment control module:* 1, 2, 3, RAT, LAT, ODT, C, R, RC, RH, W, W2, W3/B, Y, Y2, Y3/O, G, L, CEQ, HUM, DHNO, DHNC, DHCOM, VENT, EAC

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