

AprilAire® Thermostat

SPECIFICATION SHEET

Model 8920W

IAQ Control Thermostat



Features:

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



Download the AprilAire
Wi-Fi Thermostat App



EASY TO INSTALL & MAINTAIN

- Dual fuel operation (auto lockout of compressor w/call for back-up heat)
- Programmable (or non-programmable)
- Remote indoor temperature available with optional 8051 flush mount or 8053 surface mount sensors.
- Temperature offset $\pm 4^{\circ}\text{F}$
- High and low balance point control (requires 8052 outdoor temperature 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 and custom schedules are not lost during a power outage. Time and date are restored with Wi-Fi connection
- 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

ELECTRICAL SPECIFICATIONS

- 24 VAC powered (18-30 VAC)
- 1 amp maximum load per terminal
- 2.5 amp total maximum load (all terminals)

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

SPECIFICATIONS

Dimensions (W" x H" x D"):

User Interface:

7.1" x 4.4" x 1.0"

Equipment Control Module:

8.6" x 9.6" x 1.9"

Control Range: 40° to 99°F (4° to 32°C)

Display Range: 32° to 99°F (0° to 40°C)

Accuracy: $\pm 1^{\circ}\text{F}$ ($\pm .5^{\circ}\text{C}$)

Storage Temperature:

-30° to 140°F (-34.4° to 60°C)

Shipping Temperature Range:

-30° to 140°F (-34.4° TO 60°C)

Operating Humidity:

5% to 90% relative humidity

Equipment Control Module Operating

Ambient Temperature:

32° to 158°F (0° to 70°C)

User Interface Operating Ambient

Temperature:

32° to 120°F (0° TO 48.9°C)

ACCESSORIES

- 8051 Flush Mount Indoor Temperature Sensor (optional)
- 8052 Outdoor Temperature Sensor (included)
- 8053 Surface Mount Indoor Temperature Sensor (optional)
- Return Air Temperature Sensor (RAT) (optional)
- Leaving Air Temperature Sensor (LAT) (optional)