

Aprilaire®



APRILAIRE'S NEW
COMMUNICATING
TOUCH SCREEN THERMOSTAT

MODEL
8800
THERMOSTAT

The new Model 8800 communicating thermostat adds a touch of class to any décor, provides comfort your customers expect and is easy to install.

www.AprilairePartners.com

- Large 10.3 in². backlit display
- One thermostat for all applications
- Programmable or non-programmable
- Direct connection of outdoor and indoor sensors
- Commercial or residential applications
- Backward compatible
- Equipment maintenance reminders
- 5 year warranty

Aprilaire **Model 8800** Universal Communicating Thermostat

Features of the Model 8800 Thermostat

Installation

Optional temperature and relative humidity support modules for elaborate applications

Dual fuel operation (lockout of heat pump w/ call for back-up fossil fuel heat)

Commercial and residential applications (2 or 4 events per day)

Remote indoor sensor option w/ 8051/8053 sensors

Temperature offset $\pm 8^{\circ}$

Integrated dual fuel kit w/ high and low balance point control (requires 8052 sensor)

Geothermal water to water friendly – B & O de-energize in the off mode to prevent unnecessary heating and cooling of the buffer tank

2H/2C Conventional and 4H/2C Heat Pump Universal Thermostat
- One stat fits all applications

Configurable manual heat/cool or auto changeover modes

Configurable heating and cooling, heating only or cooling only operation

Direct connect an outdoor and indoor sensor

On board Relative Humidity sensor

Configurable to control humidifier and dehumidifier

Large, easy-to-wire terminal block

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

Operation

Maintenance reminders

- Humidifier, air filter, dehumidifier, HVAC

Global reports outdoor temperature to all thermostats on the network

Circulate fan mode

Programmable fan

Progressive recovery

Built-in equipment protection

Equipment stage indication

High and low setpoint temperature limits

Five year warranty

“Copy” function for quick and easy programming

Multiple hold options maximizes comfort and energy savings

- Vacation hold
- Customizable timed hold
- Permanent hold

Real time clock automatically adjusts for daylight savings time

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

Battery back up maintains clock

Screen

Large 10.3 sq. in. touch screen

Large font size

Fully back lit w/ constant low intensity light option

Exclusive message center (provides feedback and real language instructions)

Displays outdoor temp (w/ optional 8052 sensor)

Real language programming/set up — no manual needed

Full or limited screen lockout



*Real Language Programming!
No Manual to Reference*

Thermal Specifications

Control range: 45° to 99°F (7° 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)

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)

Accessories

8052 Outdoor Temperature Sensor

8051 Flush Mount Indoor Temperature Sensor

8053 Surface Mount Indoor Temperature Sensor

8081 Temperature Support Module

8082 Relative Humidity Support Module

Dimensions

4 15/16" High x 6" Wide x 1 5/16" Deep

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)

Standard systems gas, oil, electric

Single stage/heat pump/multi-stage

Terminal Designations:

Rc, R, W, Y, G, C, S1, S2, O, B, L, W2, Y2, T1, T2

C, B, O, Y, Y2, G, RC, R, W2, WL, S2, S1, T1, T2, A-, B-,

A+, B+, RSA, RSB