

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 with 8870 Driver
- 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

Operates as a thermostat or humidistat (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

Capable of receiving outdoor temperature from another thermostat or automation system

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

8053 Surface Mount Indoor Temperature Sensor

8052 Outdoor Temperature Sensor

8051 Flush Mount Indoor Temperature Sensor

8050 Bare Lead Temperature Sensor

8081 Temperature Support Module

8082 Temperature/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, RH, R, C, W, Y, W2, Y2, G, B, O, S₁, S₂, T₁, T₂, A-, B-, A+, B+, RSA, RSB