8200 Series Thermostat

The Aprilaire 8200 Series Thermostats are ideal for volume installation settings- where reliability, having all the basic features and economy are a must.

Use the 8200 Series for both new construction and replacement installations with confidence. You are assured of compatibility with all equipment brands and there are models available for all types of systems. Your installers will benefit from the straight-forward, simple to wire and set-up design.

The 8200 Series provides precise temperature control which leads to maximum satisfaction by the user. Your customers will also appreciate the subtle modern appearance and ease of use.



Choose from these models to complete your quality installations

Model 8244 – Non-Programmable, Single-Stage Heat/Cool or Heat Pump (no auxiliary heat)
Model 8246 – Non-Programmable, Single-Stage Heat Pump w/Auxiliary Heat
Model 8263 – Programmable, Single-Stage Heat/Cool or Heat Pump (no auxiliary heat)
Model 8265 – Programmable, Single-Stage Heat Pump w/Auxiliary Heat

CONSUMER BENEFITS

Easy to Program (Models 8263 & 8265)
- Energy efficient set points are pre-programmed to simplify programming.

Large Backlit Display
- Assures readability and ease of use. All models are backlit for added convenience.

Progressive Recovery (Models 8263 & 8265)
- Assures that the heating or cooling equipment starts at the optimum time to reach your chosen set point after set back.

Set Points Displayed
- Eliminates manual operation at the thermostat to view settings.

Permanent Hold
- Provides simple setback for vacations and other extended periods or when customers choose a single setting.

Temporary Hold
- Automatically returns to program settings after a temporary change delivering convenience and comfort.

Resumed Comfort After a Power Loss
- Programmed set points are permanently stored in memory for Models 8244 & 8263 (Models 8246 & 8265 with optional batteries installed).

CONTRACTOR BENEFITS

Hard Wired, 24 Volts
- No call-backs due to battery issues.

Electronic Accuracy
- Maintains +/- 1˚ differential from set point assuring comfortable, satisfied customers.

Field Calibration
- Provides the ability to offset the temperature sensed by the thermostat to match customer expectations.

Reset Function
- Return to factory settings at any time for a “fresh start” when setting up or programming.

Soft Touch Buttons
- Provides a quality feel and additional customer satisfaction.

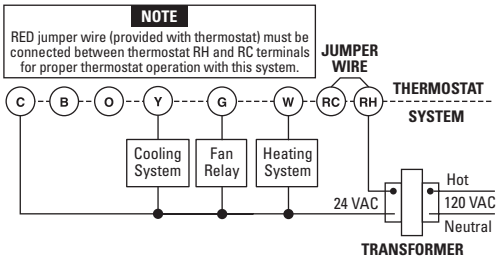
Cycle Rate Adjustment
- Flexible thermostat operation to match the application requirements.

Compressor Lockout Protection
- Helps to assure the long life of the system.

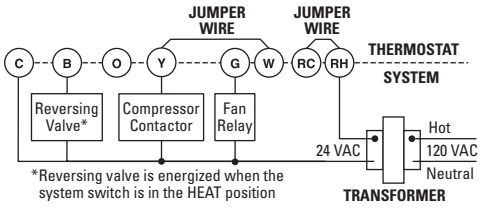
APRILAIRE 8200 SERIES THERMOSTATS

MODELS 8244 & 8263

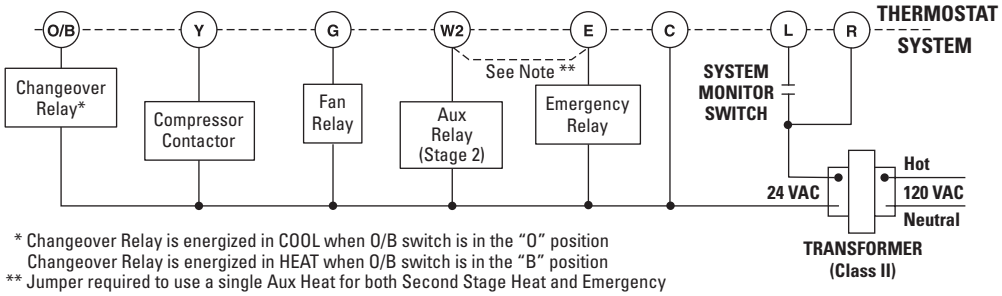
HEAT/COOL APPLICATIONS



HEAT PUMP APPLICATIONS



MODELS 8246 & 8265



* Changeover Relay is energized in COOL when O/B switch is in the "O" position
Changeover Relay is energized in HEAT when O/B switch is in the "B" position
** Jumper required to use a single Aux Heat for both Second Stage Heat and Emergency

MODELS 8244 & 8263 OUTPUT TERMINALS

W	Heating System
Y	Cooling System
G	Fan
RH	24V Supply From Transformer for for Heat Calls
RC	24V Supply From Transformer for for Cool Calls
C	24-Volt Common from Transformer
O	Reversing Valve for Cool Calls
B	Reversing Valve for Heat Calls

MODELS 8246 & 8265 OUTPUT TERMINALS

L	System Malfunction Indicator from HVAC Equipment
W2	Auxiliary or Emergency Heat
Y	Compressor
G	Fan
O/B	Reversing Valve (Selectable)
R	24-Volt Supply from Transformer
C	24-Volt Common from Transformer
E	Emergency Heat Relay

PRODUCT SPECIFICATIONS

RATED VOLTAGE	20 to 30 Volts
RATED CURRENT	1.5 amp total, 1 amp max per terminal
CONTROL RANGE	45˚F-90˚F (7˚C-32˚C)
OPERATIVE RANGE	32˚F-105˚F (0˚C-41˚C)
CONTROL ACCURACY	± 1˚F from 60˚-80˚F
DIFFERENTIAL ADJUSTMENT	Slow (2˚F) or Fast (1˚F) cycling selectable
FIELD TEMP. OFFSET ADJUSTMENT	± 4˚F (8244 & 8263) or ± 3˚F (8246 & 8265) in increments of 1˚F
DIMENSIONS	3.8"H x 5.2"W x 1.3"D
SET POINT DISPLAY	Set point and room temperature displayed simultaneously (8244 & 8246) or alternately with time (8263 & 8265)
HEAT/COOL MODE INDICATORS	"FLAME" or "SNOWFLAKE" icon will display to indicate system mode
AUX HEAT INDICATOR	"FLAME" icon will flash to indicate when expensive auxiliary heat is in use
MALFUNCTION INDICATOR	"MALF" indicates when system needs service (8246 & 8265)
2-YEAR WARRANTY FROM DATE OF INSTALLATION	

RESEARCH PRODUCTS RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

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