

Model 6303 Zone Control Panel

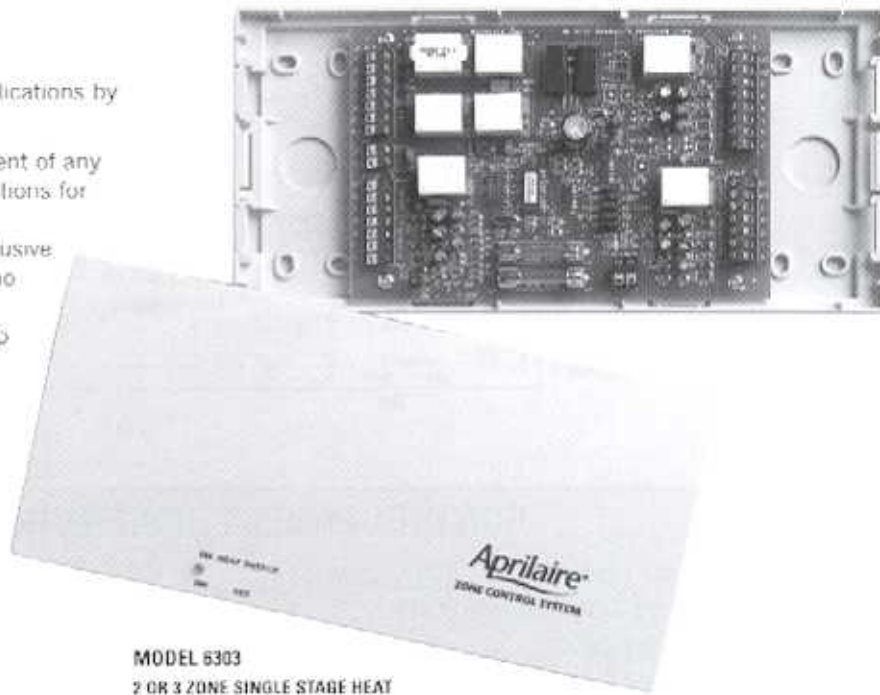
EVERY JOB IS DIFFERENT

Aprilaire offers flexibility for all your zone control applications by providing you with all the features you demand.

Accounting for excess system pressure is a requirement of any zone control system and we know there are many options for pressure relief. That is why Aprilaire supports all the popular options. You can choose from Aprilaire's exclusive 'Controlled Pressure Relief' method (which requires no bypass damper), using a bypass damper along with plenum temperature control, or choosing to bypass to a dump zone.

THE QUALITY AND SUPPORT OF APRILAIRE

The Model 6303 Zone Control panel offers you the quality and support you've come to expect from Aprilaire. You can count on 24-hour shipping, great technical and sales support and the most reliable dampers on the market.



MODEL 6303
2 OR 3 ZONE SINGLE STAGE HEAT
PUMP CONTROL W/AUXILIARY HEAT

MODEL 6303

CONSUMER BENEFITS

ANY ZONE SETS MODE

- Provides true independent control for each zone

CONTINUOUS FAN BY ZONE

- Individual zone thermostats can call for fan operation independently for ventilation

ZONE CHANGEOVER BASED ON TIME

- If calls for opposite modes exist, the control panel will alternate to satisfy each call

FAN PURGE

- Assures air is directed to last zone(s) calling

SHORT CYCLE PROTECTION

- Protects the HVAC equipment from too frequent cycles

MAINTENANCE FREE

- No maintenance or adjustments needed after installation

CONTRACTOR BENEFITS

PLENUM TEMPERATURE CONTROL (ADJUSTABLE)

- Protects equipment from excessive high and low temperatures caused by reduced airflow when small zones are calling

THERMOSTAT FLEXIBILITY

- Use any four wire heat/cool thermostat in each zone or a heat pump thermostat in Zone 1

LED STATUS INDICATORS

- Simplifies start up and troubleshooting for the contractor

TIME DELAY OVERRIDE

- Speeds checkout for the installer

WORKS WITH 2 OR 3 WIRE DAMPERS

- Compatibility if you are changing out an old panel with 3 wire dampers

ADJUSTABLE PURGE TIMING

- Compatibility with all brands of equipment

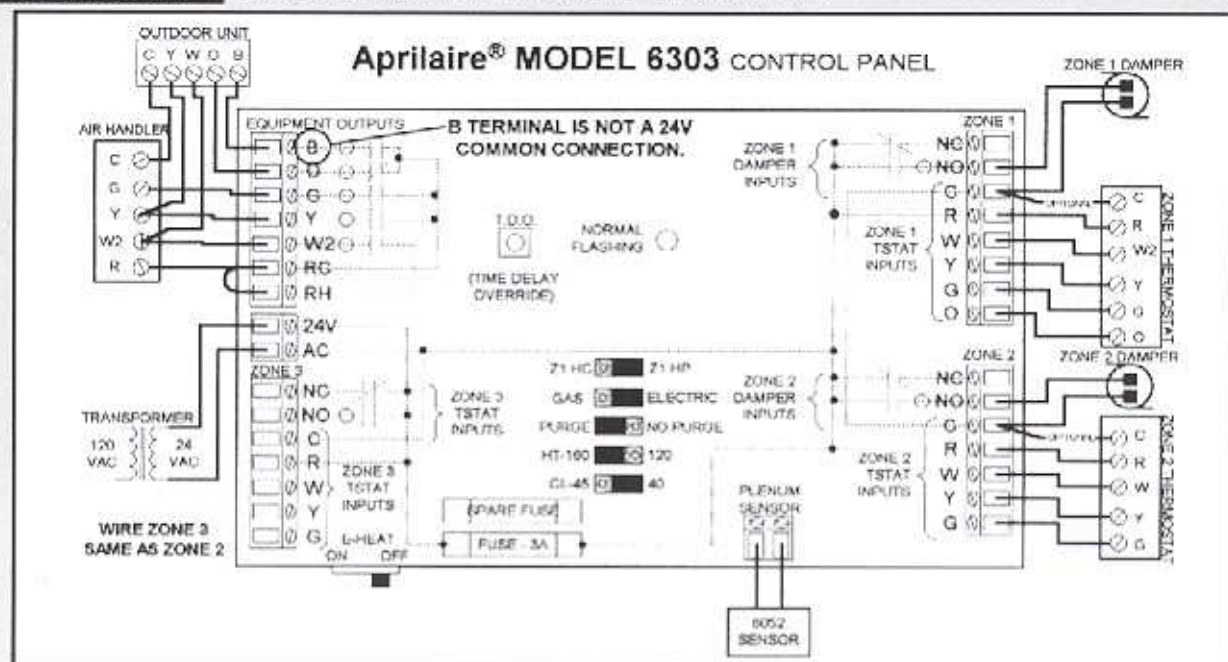
ELEC/NON-ELEC SELECTABLE

- Proper control of the fan (G-terminal) for either electric or fossil fuel furnaces

APRILAIRE MODEL 6303 ZONE CONTROL PANEL

WIRING DIAGRAM

Single stage heat pump w/auxiliary heat application



CONTROL PANEL TERMINAL DESIGNATIONS

R	24V (hot) Thermostat voltage	O	Reversing Valve—Cool
C	24V (com) T-stat (if required) & damper voltage	B	Reversing Valve—Heat
W/W2	Heat or Auxiliary Heat (thermostats and equipment)	NC	Normally closed damper output
Y	Cooling or Compressor (thermostats and equipment)	NO	Normally open damper output
G	Fan (thermostats and equipment)	RH	Heating transformer—24V (hot)
		RC	Cooling transformer—24V (hot)
		24VAC	Voltage source for control panel, T-stats and dampers

PRODUCT SPECIFICATIONS

RATED VOLTAGE	20 to 30 VAC
RATED CURRENT	3 amp
FUSE RATING	3 amp, slow blow fuse
MAXIMUM AMBIENT TEMPERATURE	140°F
RH AND RC TERMINALS	Independent heat and cool relays for 2 transformer systems
PLENUM SENSOR	
HIGH LIMIT TEMPERATURE	Selectable between 120°F and 160°F
PLENUM SENSOR	
LOW LIMIT TEMPERATURE	Selectable between 40°F and 45°F

TRANSFORMER REQUIREMENTS

REQUIRED VA	MAX. # OF POWERED DAMPERS
40	3 or Less
75	4 thru 6
40 per 3 Dampers	7 or more

ADDITIONAL INSTALLATION FEATURES

45 DEGREE ANGLED TERMINALS
ENCLOSURE ACCOMMODATES WIRING FROM THE SIDE OR REAR
WIRING DIAGRAM ON FRONT COVER
AVAILABLE COMMON TERMINAL FOR 24 VOLT POWERED STATS
COMPATIBLE WITH POWER-STEALING THERMOSTATS

FUSE PROTECTION WITH EXTRA FUSE ON BOARD
CONVENIENT CONTROL OF EM HEAT THROUGH THERMOSTAT OR ON BOARD SWITCH
EMERGENCY HEAT LED INDICATION THROUGH CONTROL PANEL COVER