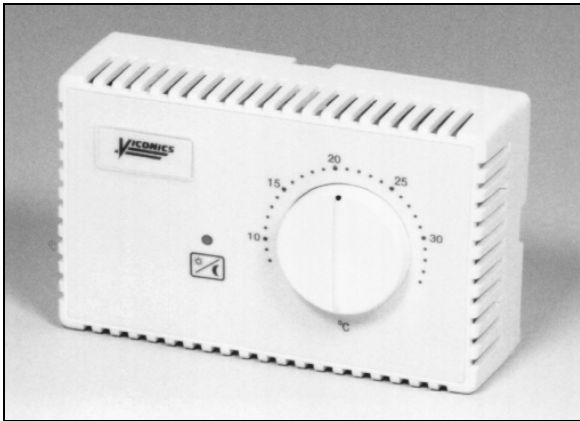




Micro-STAT®

T211 T261



APPLICATIONS

- VAV box control, pressure dependent or independent
- Pressure independent box control with Belimo NMV24V
- Room control of temperature
- Proportional room electric heating control
- Proportional room hot water heating control
- Air conditioning control

ADVANCED DESIGN AND PI CONTROL

Advanced microcomputer electronics and PI control algorithms provides precise temperature control and eliminates wasted heating energy caused by the typical On-Off cycling in conventional thermostats. As a result the room occupant is able to reduce the setpoint or desired temperature to the lowest comfortable setting. The result is energy savings ranges from 5% to 10%.

DAY-NIGHT MODE

A night mode, initiated by a remote timer or computer contact, provides energy savings during unoccupied periods of up to 10 %, without sacrificing comfort in occupied rooms. A flashing LED indicator warns an person in an occupied room that the thermostat is in Night mode. The occupant may override this condition locally for 4 hours by pressing the switch on the thermostat.

POWER LIMIT INPUT

The Power Limit Input feature provides additional energy savings by reducing the building PEAK DEMAND during mild conditions in the temperature recovery phase from night setback mode via a common 0 to 10 VDC signal from an outdoor temperature sensor or from an energy management system.

REPROGRAMMABLE

Each thermostat is computer calibrated and factory programmed to the ordered specification. However, over 10 control parameters (such as heating/cooling mode, stage differential, night set-back etc.) may be changed in the field with programming tool without having to remove the thermostat cover. The C263 also doubles as a diagnostic tool and indicates the status of all the inputs and outputs to each stat, and will reduce troubleshooting time by quickly identifying the specific problem.

SENSORS

Each thermostat can be either room or duct mounted with local or remote sensors, and can be selected by an internal jumper.

ELECTRONIC THERMOSTAT:

- DAMPER MOTOR VOLTAGE OUTPUT
- DAMPER POSITION MINIMUM ADJUSTMENT
- TWO MORE STAGES
- POWER LIMIT
- DAY-NIGHT MODE (T261 ONLY)

The model T211 and T261 are part of Viconics' Micro-Stat Series low voltage RHVAC room temperature and humidity controls line.

DAMPER MOTOR OUTPUT WITH MINIMUM POSITION ADJUSTMENT

A 0 to 10 VDC cooling voltage output can control a electronic damper motor. This motor can be pressure dependent or independent. A trimmer (0 to 50 %) inside the thermostat cover can be use for minimum air flow adjustment. Minimum and maximum positions can also be adjusted with the C263 programmer.

CONTROL OUTPUTS FOR ALL APPLICATIONS

The thermostats are available with various outputs to drive:

- Relays
- Contactors
- Solenoids
- Valves
- Motors
- SSR's
- SCR Power Controllers

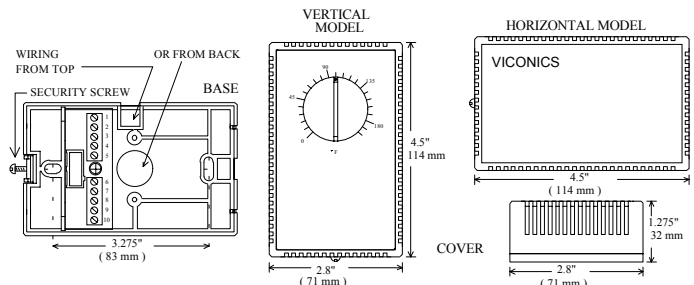
COVERS

The thermostats are available with 4 covers options in either °C and °F. Thermostat cover plugs in to base for easy wiring and service. The base fits onto a standard electrical box. The User adjustable front models feature internally selectable minimum and maximum setpoint knob stops.

SPECIFICATIONS

- Operating Conditions: 0 °C to 50 °C (32 °F to 122 °F)
 0% to 95% R.H. non-condensing
- Sensor: Local 47 K NTC thermistor
- Resolution: ± 0.1 °C (± 0.2 °F)
- Control accuracy: ± 0.2 °C (± 0.4 °F) for low ranges
 (calibrated) ± 0.9 °C (± 1.8 °F) for high ranges
- Ranges: 10 °C to 32 °C (50 °F to 90 °F)
 -18 °C to 82 °C (0 °F to 180 °F)
- Outputs: Isolated Triac: 30 Vac at ½ A max.
 0 to 10 Vdc into 2KΩ resistance min.
 0 / 5 Vdc at 20 mA max. for both outputs.
- Power: 24 Vac -15%, +10% 50/60 Hz; 2 VA

DIMENSIONS



Specifications and equipment are subject to change without prior notice

ORDER CODE _____

T211 - AB - CD - EF (without day-night mode)

T261 - AB - CD - EF (with day-night mode)

A	Output no. 1 (controlled device)	Type
1	Relay, thermal relay, two position motor	Isolated Triac
2	Normally open thermal valve	Isolated Triac
3	Normally close thermal valve	Isolated Triac
4	"SSR" with 24 Vac input	Isolated Triac
5	"SSR" with 3-32 Vdc input	Pulsed 0/5 Vdc

B	Output no. 2 (controlled device)	Type
1	Relay, thermal relay, two position motor	Isolated Triac
2	Normally open thermal valve	Isolated Triac
3	Normally close thermal valve	Isolated Triac
4	"SSR" with 24 Vac input	Isolated Triac
5	"SSR" with 3-32 Vdc input	Pulsed 0/5 Vdc

C	Output no. 1 and 2 control mode	
1	Heating, reverse acting, (RA)	* Standard
2	Cooling, direct acting, (DA)	
3	Heating, RA (no. 1) and cooling, DA (no. 2)	
4	Cooling, DA (no. 1) and heating, RA (no. 2)	

D	Main control sensor location	
1	Room, inside thermostat, or (duct return air**)	* Standard
2	Duct supply air **	

** Order with S60 or S70 sensor

E	Setpoint adjustment	
1	User adjustable	* Standard
2	Blind cover	

F	Scale	
1	10 °C to 32 °C	* Standard
2	50 °F to 90 °F	
3	-18 °C to 82 °C	Δ
4	0 °F to 180 °F	Δ

Example: T261 - 53 - 31 - 12
 One "SSR" 3-32 Volts heating output and one normally close thermal valve cooling output.
 Main sensor located inside the room
 Adjustable setpoint. Scale 50 °F to 90 °F.
 The output no. 3 is 0 to 10 Volts cooling signal for damper motor.

Δ Note: These models have a vertical cover.

Note: Order remote sensor separately.

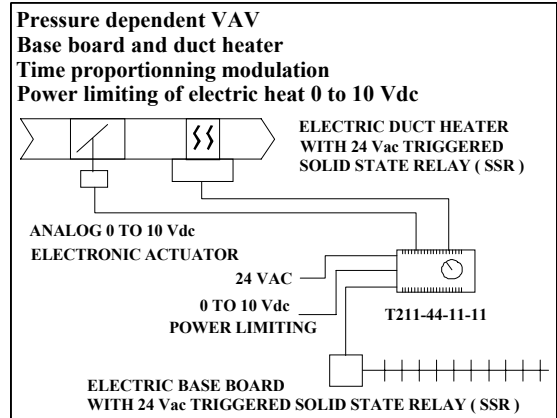
WIRING _____

For complete technical information on wiring, commissioning and servicing, please refer to the T211 / T261 service manual.

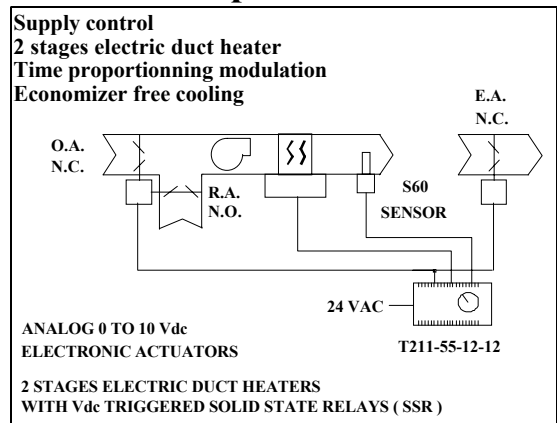
APPLICATION EXAMPLES _____

COVERS ALL YOUR THERMOSTATS NEEDS...

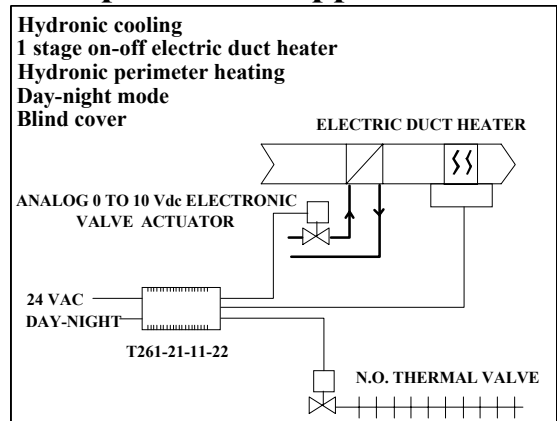
From simple...



To more complicated...



To sophisticated applications !



Represented by: