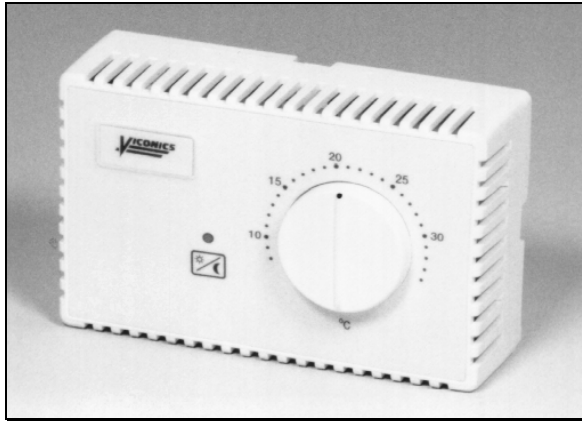




Micro-STAT[®]

T100 T150



ELECTRONIC THERMOSTAT:

- ONE STAGE
- DAY-NIGHT MODE (T150 ONLY)

The model T100 and T150 are part of Viconics' Micro-Stat Series low voltage RHVAC room temperature and humidity controls line.

CONTROL OUTPUTS FOR ALL APPLICATIONS —

The thermostats are available with various outputs to drive:

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

APPLICATIONS —

- Room control of temperature
- Proportional room electric heating control
- Proportional room hot water heating control
- Proportional room cold water cooling 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.

REPROGRAMMABLE —

Each thermostat is computer calibrated and factory programmed to the ordered specification. However, over 10 control parameters (such as heating/cooling mode, proportional band, 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.

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

ORDER CODE _____

T100 - AB - CD - EF (without day-night mode)

T150 - 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
6	0 to 10 Vdc actuator, voltage relay or "SCR"	0 to 10 Vdc

B	Output no. 2
0	Non available

C	Output control mode	
1	Heating, reverse acting, (RA)	* Standard
2	Cooling, direct acting, (DA)	

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: T150 - 50 - 11 - 12
 One "SSR" 3-32 Volts output.
 Main sensor located inside the room.
 Adjustable setpoint. Scale 50 °F to 90 °F.

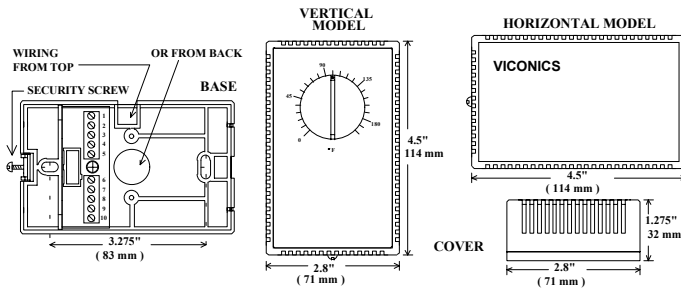
Δ Note: These models have a vertical cover.

Note: Order remote sensor separately.

WIRING _____

For complete technical information on wiring, commissioning and servicing, please refer to the T100 / T150 service manual.

DIMENSIONS _____

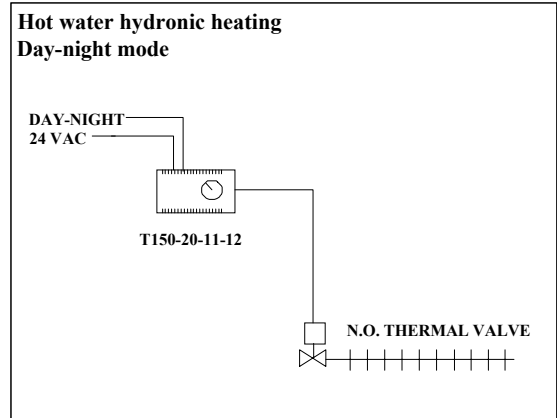


Specifications and equipment are subject to change without prior notice.

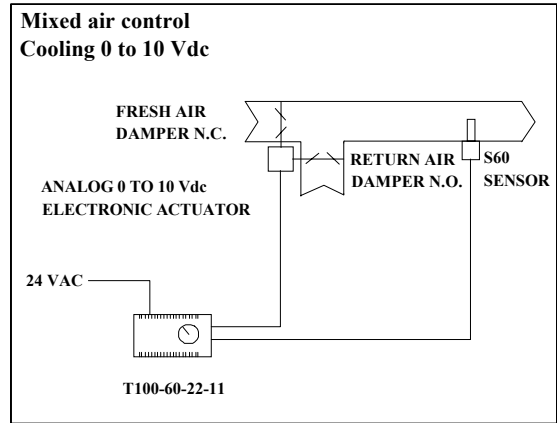
APPLICATION EXAMPLES _____

COVERS ALL YOUR THERMOSTATS NEEDS...

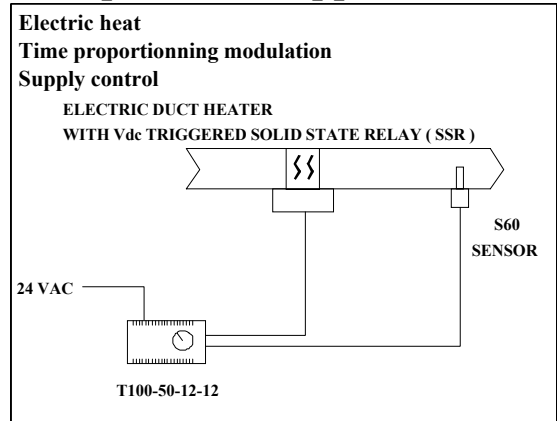
From simple...



To more complicated...



To sophisticated applications !



Represented by: