Thermostats, Non-Digital

Erie offers advanced design in electronic microprocessor based thermostats and controllers. Erie combines the simplicity of a thermostat with the versatility and power of a controller. Ease of installation is combined with the flexibility of applications and maximum compatibility. Proportional plus integral (PI) control algorithms with advanced adaptive logic guides the microprocessor based units. This provides precise and stable control under varying system capacity and load conditions, without the need for tuning or calibrating the control algorithm.

Features:
- 0-10 Vdc heat and/or cool outputs
- Operates at 50 or 60 Hz
- Fan continuous operation

0-10 Vdc CONTROLLER THERMOSTATS

The T167 thermostats provide proportional control of cooling fan coil damper and fan system.

T167

Model	Description
TA167-1[a]	Heating and cooling
TA167-3	Heating or cooling, On/off only
TB167-1	Heating and cooling

** Model has no deadband between heating and cooling. If using as a heat/cool control, an optional changeover thermostat (680-243-x) is required.*

Features:
- Manual or automatic changeover
- Line voltage 3-speed fan control
- 24 to 277 Vac

ON/OFF ELECTRONIC THERMOSTATS FOR 24 TO 277 Vac

The T155 thermostats are designed for low and line voltage on/off control of valves, relays, and fan motors in various applications.

T155

Model	Description
TA155-10	Heating and cooling, with 3-speed fan control manual changeover, Heat/Off/Cool switch
TA155-17	Heating or cooling, with 3-speed fan control, On/Off switch
TA155-18	Heating or cooling
TB155-10	Heating and cooling, with 3-speed fan control, auto changeover, On/Off switch
TB155-15	Heating and cooling, with auto changeover

Features:
- 2-pipe pr 4-pipe configurations
- Line voltage 3-speed fan control
- 24 to 240 Vac
- Bellows sensor

ON/OFF THERMOSTATS FOR 24 TO 250 Vac

The T500 thermostats are designed for low and line voltage on/off control of valves, relays, and fan motors in various applications.

T500

Model	Description
T511	Heating or cooling, 2-pipe with 3-speed fan control and Celsius dial
T511-F	Heating or cooling, 2-pipe with 3-speed fan control and Fahrenheit dial
T513	Heating or cooling, 4-pipe with 3-speed fan control and Celsius dial
T513F	Heating or cooling, 2-pipe with 3-speed fan control and Fahrenheit dial

Features:
- Adjustable heat anticipator
- Fahrenheit and Celsius capability
- Mercury free

ON/OFF THERMOSTATS

The 31-100 series thermostats are designed for applications which require a single pole/double throw switch, adjustable heat anticipator and fixed cooling and anticipator.

31-100 SERIES

Model	Description
31-100	Heating or cooling, No switches, Celsius
31-101	Heating and cooling, 1-speed fan, Celsius
31-102	Heating or cooling, No switches, Fahrenheit
31-103	Heating and cooling, 1-speed fan, Fahrenheit

Thermostats - Digital

Features:
- LCD display
- On/off temperature control output
- Three-wire floating control output
- Multiple speed fan switching
- 2-pipe/4-pipe configuration
- Summer/Winter changover option
- Setback capability
- Staged heat option
- Operates at 50 or 60 Hz
- Fahrenheit or Celsius display

MICROPROCESSOR THERMOSTATS, DIGITAL DISPLAY, CONTROLLER, 3-WIRE FLOATING, AND ON/OFF

The T158 thermostats provide microprocessor control of fan coil units, air handling units, and terminal units and feature an LCD.

T158

Model	Description
TA158-1	Heating and cooling, On/off only
TA158-2	Heating or cooling, On/off only, with 3-speed fan control
TB158-1	Heating and cooling
TB158-2	Heating and cooling with 3-speed fan control
TB158-3	Heating or cooling with 3-speed fan control
TB158-7*	Heating or cooling*
TB158-15	Heating or cooling
TB158-17	Heating and cooling with 1-speed fan control
TB158-18	Heating or cooling with 1-speed fan control

** Mode control feature not included on this model*

Features:
- Large, easy to read LCD
- 1°F OR 2°F selectable heating operating differential
- Short cycle protection
- Mechanical low limit protection (FP model)
- Non-programmable
- Fahrenheit and Celsius display capability

LOW VOLTAGE WITH DIGITAL DISPLAY

The T200 thermostats are designed for low voltage heating, cooling, and single stage heat pump applications and feature an LCD.

T200

Model	Description
T201	Heating only, No fan control
T201-FP	Heating only, No fan control with low limit protection
T204	Cooling only, Fan control
T205	Heating/cooling, Fan control
T205-FP	Heating/cooling, Fan control with low limit protection
T207	Heating/cooling, Fan control, B&O terminals
T207-FP	Heating/cooling, Fan control, B&O terminals with low limit protection

Features:
- LCD display
- 0-10 Vdc or 4-20 mA outputs
- Low voltage fan cycling operation
- Multiple speed fan switching
- 2-pipe/4-pipe configuration
- Summer/Winter changover option
- Setback capability
- Staged heat option
- Operates at 50 or 60 Hz
- Fahrenheit or Celsius display

MICROPROCESSOR THERMOSTATS, DIGITAL DISPLAY, CONTROLLER, 0-10 Vdc OR 4-20 mA

The T168 thermostats provide digital control of fan coil units, air handling units, and terminal units and feature an LCD.

T168

Model	Description
TA168-1	Heating and cooling, Auxiliary heat feature
TA168-2	Heating or cooling, 3-speed fan control, fan cycling, Auxiliary heat feature
TA168-3	Heating or cooling, 3-speed fan control, fan cycling
TA168-4	Heating or cooling
TA168-5	Heating or cooling, fan cycling
TA168-6	Heating or cooling, fan cycling, 1-speed fan control, Auxiliary heat feature
TA168-7	Heating or cooling, fan cycling, 1-speed fan control
TA168-8	Heating or cooling, fan cycling, 1-speed fan control
TA168-9	Heating or cooling

Features:
- Fahrenheit or Celsius display
- Setback from occupancy, clock or BMS
- LCD display with backlight
- Keypad lockout
- Remote sensor option
- Changeover sensor option

MICROPROCESSOR STAND ALONE THERMOSTATS

The T170 thermostats provide microprocessor control of fan coil units, air handling units and terminal units.

T170

Model	Description
TA170-16	Heating and cooling. Auxilliary heat feature
TA170-18	Heating or cooling, 3-speed fan control, fan cycling, Auxilliary heat feature
TB170-9	Heating and cooling, 3-speed fan control, fan cycling