



Low Voltage Modulating Thermostat

Manufacturer: Neptronics

Model: PTC

Features: 1 Heat / 1 Cool
Modulating Control w/
with 2 Consecutive PWM Outputs
and 2 Dry Contacts
Digital Display
Night Setback Input

Description

The neptronic PTC is the most comprehensive model available. Among its features are a digital readout of space temperature. All parameters including Fahrenheit or Celsius display may be programmed by the push button on the controller's face. Outputs for heating and cooling are 0-10 vdc, with two consecutive (0 or 22 vdc) PWM outputs and 2 dry contacts, which can be used in heating or cooling applications.

The neptronics PTC thermostat is compatible with all standard 24 VAC heating and cooling systems and is mercury-free, not only making it environmentally safe, but eliminates the need for leveling.

Specifications

Rated Voltage: 24 VAC, +/-20%

Power Consumption: 2 VA max
17 VA Maximum
(all outputs used at maximum current draw)

Night Set Back

Inputs: 0-10 vdc for 0 to 12°F deadband expansion
24 VAC for 14°F deadband expansion

Outputs: 0-10 vdc, cooling
0-10 vdc, cooling high demand
0-10 vdc, heating
0-10 vdc heating high demand
(2) 0 or 22 vdc PWM (Pulse Width Modulating)

Minimum Position: 0-9 vdc independently adjustable for heating ramp 1 and cooling ramp 1. Does not affect heating ramp 2 and cooling ramp 2

Operating Temperature: 32° to 110°F (0° to 45°C)

Setpoint Range: 32° to 99°F (0° to 38°C)

Deadband: +/-0.5°F (+/-0.3°C)

Proportional Band: 2 °F to 16°F user programmable
(1°C to 9°C)

Model Selection		
Model Number	Description	List Price
PTC	1 Heat / 1 Cool Modulating outputs	\$297.00 ea.
	w/ (2) PWM Outputs and (2) dry contact outputs	

Accessories Selection		
Model Number	Description	List Price
WS100	Remote, Room Sensor	\$49.50 ea.
DS100	Remote, Duct Sensor	\$48.00 ea.

Features / Benefits / Applications		
<ul style="list-style-type: none"> ● Night Setback Input ● Remote Temperature Sensor Input ● No Sub-base 	<ul style="list-style-type: none"> ● Selectable Celsius or Fahrenheit temperature display ● Does not require batteries ● Digital display 	<ul style="list-style-type: none"> ● Environmentally safe ● Mercury-free

Specifying Information

The EM Warehouse has many years of experience in spec writing, design-build and interpretation of written specifications. If we can assist you in this area just E-mail your requirements to emw@ecs-controls.com.

Ordering Information

Please contact an EM Warehouse (EMW) representative for the following:

- Wholesale Discount Multiplier - Issued to resellers, contractors and holders of an EIN.
- Retail Discount Multiplier - Issued to individuals and non-holders of an EIN.
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- Order placement - Place your order and receive confirmation on delivery.
- Request manufacturer data sheets - A detailed description of the product information and schematics.
- Request addition information - We are here to assist you in finding answers and alternatives.

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