

TL116A Line Volt Electric Heating Thermostat



This thermostat is designed to control an electric heating system such as a baseboard heater, a convector or a fan-forced heater.

Applications: Baseboard heater, Convector or Fan-forced Heater, Electric Heating

Mounting: Vertical

Color: White

Accuracy: 0.9°F / 0.5°C

Ambient Temperature Range: 32°F to 120°F / 0°C to 50°C

Power Method: Hardwired

Supply Voltage: 120 Vac; 208 Vac; 240 Vac

Frequency: 50 Hz; 60 Hz

Electrical Connections: 6 in. (150 mm) tinned copper lead wires

Dimensions: 5.0 in. X 3.05 in. X 2.4 in. (127 mm x 77 mm x 60 mm)

Sensor Element: Thermistor

Switch Type: Relay

Switching Action: SPST

Approvals, CSA: Certified

Comments: battery-free, Min & Max temperature locks

Material Number	Setting Temperature Range	Electrical Ratings
TL116A1008/U	5°C to 27°C	Minimum Load: 1.25 A (resistive only) 300 W @240 Vac, 150 W @ 120 Vac, Maximum Load: 12.5 A (resistive only), 3000 W @ 240 Vac, 1500 W @ 120 Vac
TL116A1016/U	41°F to 80°F	Minimum Load: 1.25 A (resistive only) 300 W @240 Vac, 150 W @ 120 Vac, Maximum Load: 12.5 A (resistive only), 3000 W @ 240 Vac, 1500 W @ 120 Vac

7-Day Programmable Line Voltage Thermostat



The 7-day programmable thermostat provides electronic control of 208/240 Vac resistive rated electric baseboard heaters, radiant ceiling heat, convectors and fan forced heaters.

- Advanced temperature control ensures total comfort by minimizing temperature swings.
- On/Off or On/Standby switch allows you to turn the thermostat off at the end of the heating season.
- 7-day programmable - maintain the pre-set program schedule for up to 20% energy savings, or modify the schedule to fit your lifestyle.
- On-screen heating power indicator gives at-a-glance verification of power being used.
- Early Start function ensures programmed temperature is reached by programmed time.
- Electronic temperature control - precision of $\pm 1^\circ\text{F}$ saves up to an additional 10% on heating bills.
- Temporary bypass enables temperature override without changing programming.

- Large, clear, backlit display - easy to read in various lighting conditions.
- Attractive design includes hidden programming buttons.
- Soundproofed for quiet operation - reduces the clicking noise commonly heard with conventional thermostats.
- Maintenance free - no batteries required.

Applications: Electric baseboards, convectors and fan forced heaters (resistive rated loads). 4 Wire models, not compatible with 2-wire applications.

Display Size: 2.67 sq in.

Mounting: Vertical

Color: Premier White®

Stages: 1 Heat

Programmability: 7-Day Program

Setting Temperature Range: 40°F to 86°F (5°C to 30°C)

Ambient Temperature Range: 32°F to 122°F (0°C to 50°C)

Power Method: Hardwired

Supply Voltage: 208 Vac; 240 Vac

Frequency: 50 Hz; 60 Hz

Electrical Connections: 4-wire tinned copper leadwires

Dimensions: 4 7/8 in. high x 2 3/4 in. wide x 7/8 in. deep (124 mm high x 70 mm wide x 23 mm deep)

Sensor Element: Thermistor

Switch Type: Epoxy-soundproofed relay

Approvals, CSA: cCSAus, File Number: LR76030

Approvals, Underwriters Laboratories Inc.: UL Listed 9R12, File Number: E183695

Material Number	Description	Electrical Ratings	Switching Action	Used With	Comments
TH115-A-240S-B/U	Aube Logo Line Volt Programmable Electric Heating Thermostat with Backlight	Maximum Load: 16.7 A (resistive only), 3475 W @ 208 Vac, 4000 W @ 240 Vac	SPST	Compatible with CT240-01 or CT241-01	
TL8130A1005/U	LineVoltPRO Honeywell logo Digital Programmable Single Pole Line Voltage Thermostat for electric baseboards, convectors and fan forced heaters (resistive rated loads).	Maximum Load: 16.7 A (resistive only), 3475 W @ 208 Vac, 4000 W @ 240 Vac	SPST		No remote input capability, No dry contacts
TL8230A1003/U	LineVoltPRO Honeywell logo Digital Programmable Single Pole Line Voltage Thermostat for electric baseboards, convectors and fan forced heaters (resistive rated loads).	Maximum Load: 15 A (resistive only), 3210 W @ 208 Vac, 3600 W @ 240 Vac	DPST		No remote input capability, No dry contacts