



TECHNICAL HEATERS, INC.

TH600 Digital Temperature Controller

GENERAL INFORMATION

Monitor and control temperature in heating applications with the Series TH600 Temperature Controller. The Series TH600 Controller offers a wide temperature range, two selectable alarm sets, and an internal buzzer indicating alarm condition or error. The user can define set point, heating regulation, cycle time, alarm configuration, load status, and ambient probe adjustment. The thermocouple switch features password protection and error/alarm messaging. Temperature and output status is indicated on the bright red LED display. The Series TH600 Controller includes a fitting clip for panel mounting, gasket, rear terminal cover, and instruction manual.

FEATURES

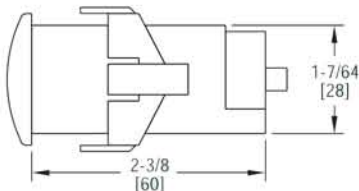
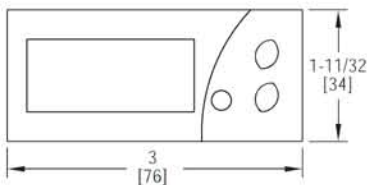
- ✱ Bright, easy-to-read LED Displays
- ✱ Advanced self-tuning
- ✱ Digital communications
- ✱ Heat /Cool action
- ✱ Heater/Loop break alarms
- ✱ Waterproof/dustproof protection

EASY-TO-READ LED DISPLAY

The TH600 features large, bright LED displays that have been designed to be easy-to-read from greater distances.



DIMENSIONS



Panel Cutout 2-51/64" x 1-9/64" (71 x 29 mm)

SPECIFICATIONS

Probe Range: 0 to 700°C (32 to 999°F) for thermocouple J .
0 to 999°C (32 to 999°F) for thermocouples K.

Input: Type J or K thermocouple.

Output: 16A SPDT relay @ 250 VAC resistive.

Horsepower Rating (HP): 1 HP.

Control Type: ON/OFF.

Power Requirements: 110 VAC, 230 VAC, 12 VAC/VDC or
24 VAC/VDC (depending on model).

Accuracy: ±1% FS.

Display: 3-digit, red, 1/2" (12.7 mm) digits, plus sign.

Resolution: 1°.

Memory Backup: Nonvolatile memory.

Temperature Limits: Ambient: 32 to 158°F (0 to 70°C).

Storage Temperature: -4 to 176°F (-20 to 80°C).

Weight: 2.3 oz (65 g).

Front Panel Rating: IP64.

COMPLIANCE WITH STANDARDS

- CE Mark
- UL Recognized



Includes

- Controller installed in enclosure
- Mating Connector installed onto hose
- 24" long Power Cord (longer available upon request)