



LTT-203A/B Single/Dual Bench Top Temperature Controller™ Specifications



Figure 1

LTT-203A (left) and LTT-203B (right) Bench Top Temperature Controllers

DESCRIPTION

The LTT-203 Bench Top Temperature Controller™ is a compact, simple solution for controlling the temperature of ovens, hot plates, kilns or other heating devices. The LTT-203 requires no set-up or assembly; accepts Type J, K, R, B, S, T, E and N thermocouples; and has either one (LTT-203A) or two (LTT-203B) sets of controllers, built-in solid state relays and standard IEC output sockets.

Isothermal set points or ramp-and-hold steps may be entered from the front panel, or easily programmed with the included software.

The LTT-203 software allows the user to set PID parameters, temperature setpoints, and multiple ramp-and-hold steps. The software also plots the programmed temperature profile and the actual temperature of the controlled device, and can store these data for later documentation.

The LTT-203 communicates to a computer through an RS-485 interface. When using the RS-485 interface, multiple LTT-203 units may be connected to a single multi-drop bus to create a system with independently controlled temperature zones.

The LTT-203 Bench Top Temperature Controller™ is portable, connects to most heating devices with a standard power cord and is easy to use, providing temperature control “out of the box” for many applications.

Specifications

Environmental conditions:

Temperature : -10 °C to 50 °C (14 °F to 122 °F)
Relative Humidity: 90% RH max, non-condensing

LTT-203A Single Temperature Controller

Controllers : 1
Dimensions : 15.3 cm x 7.6 cm x 22.9 cm (6.0" x 3.0" x 9.0")
Weight : 1 Kg (2.2 lbs)

LTT-203A Dual Temperature Controller

Controllers : 2
Dimensions : 21.6 cm x 10.2 cm x 24.8 cm (8.5" x 4.0" x 9.75")
Weight : 1.4 Kg (3.0 lbs)

Power Supply : 100 – 240 VAC, 50/60 Hz

Power Consumption : 12 VA or less

Thermocouple Input : J, K, R, B, S, T, E, N (Specify when ordering)

Thermocouple Connector: Standard size

Control Output : AC Solid state relay, 25 amps capacity

Control Current : Fuse limited to 8 amps

Output Connector : Standard IEC socket

Communications : RS-485, USB with adapter

Software : Included



Lambient Technologies L.L.C.

649 Massachusetts Ave., Cambridge, MA 02139, USA

(857) 242-3963

<http://www.lambient.com>

info@lambient.com