



LTT-203™ A/B Programmable Temperature Controller Specifications



Figure 1

LTT-203 Bench Top Programmable Temperature Controller

The LTT-203 Programmable 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) controllers, built-in solid state relays and standard IEC output sockets. Note the thermocouple type is selected when ordering the LTT-203.

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 Programmable 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 : 22.6 cm x 19.7 cm x 10.8 cm (8.88" x 7.75" x 4.25")
Weight : 1 Kg (2.2 lbs)

LTT-203B Dual Temperature Controller

Controllers : 2
Dimensions : 22.6 cm x 19.7 cm x 10.8 cm (8.88" x 7.75" x 4.25")
Weight : 1 Kg (2.2 lbs)

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

Power Consumption : 10 VA or less (Not including external heating devices)

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

Thermocouple Connector: Standard size, round contacts

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 : Operates with CureView data acquisition and control software



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