

MTC-1

Micro Temperature Controller

Installation and Operating Instructions

- 1 Connect ribbon cable to heater. Please note that connector is polarized and has a locking tab to prevent accidental removal. Always depress locking tab before removing the cable. Connect the ribbon cable to the OUTPUT socket on the controller.
- 2 Connect the AC adaptor (12V DC Power Supply) to DC IN socket. Connect the AC line cord to any suitable 110 – 220 AC outlet.
- 3 The Micro Temperature Controller is factory preset to 34°C.
- 4 To adjust temperature SET Point to a different temperature:

Press and hold down SET/RUN switch. Using the flat blade screwdriver supplied adjust SET PT ADJUST potentiometer until desired temperature is displayed on the digital meter. Release the switch. Run temperature will be displayed as the controlled temperature. Note that the SET and RUN temperatures may differ by a few tenths of a degree. To obtain more precise control, make fine adjustments to SET PT ADJUST potentiometer until desired control temperature is reached.

- 5 OUTPUT ON light will illuminate whenever power is being supplied to the heater.
- 6 To turn off the controller, disconnect the power supply by removing the connector from DC IN.

Specifications:

Accuracy:	±1°C	DC Output Rating:	min 6V, max 24VDC; 4 Amps
Resolution:	±0.1°C	AC ground leakage current:	less than 1 milliamp at 110VAC
Range:	Ambient to 95°C	Dimensions:	5 1/2" L x 2" W x 1" D
Readout	0.5" backlit LCD	Weight:	1 lb including power supply
Power Supply	12V DC 4A		

Warranty Information:

Physitemp Instruments Inc. warrants this product to be free of defects in material or workmanship for a period of 12 months from date of shipment. Repair or replacement will be made at no charge at the discretion of Physitemp if the defect is not the result of misuse or abuse. Physitemp accepts no consequential liability for delay in delivery, alleged faulty performance of the product or any other cause.