

The Warner TC-124 Temperature Controller is designed to bring heating to a variety of Warner products. Accurate temperature control from ambient to 60°C can be achieved using this small and efficient device.

The TC-124 can connect to and regulate many Warner products including the OW Series Objective Warmer. The device is simple to operate.

## ASSEMBLY AND OPERATION

1. Make all necessary connections between the **TC-124** and the device to be heated. For some devices, a **CC-28** cable will be needed to complete the connection, other devices will connect directly to the **TC-124**.
2. Plugging the wall adaptor into the **TC-124** temperature controller powers the unit.
3. The working (set) temperature of the controller can be set by pressing the HEAT UP or HEAT DOWN buttons. The LED display reports the *actual temperature* of the heated collar. Adjustment of the set temperature using either the HEAT UP or HEAT DOWN buttons causes the display to momentarily report the *set temperature*. In addition, pressing the VIEW SET button will report the set temperature for as long as the button is pressed.
4. The factory-set temperature range is set to 25-50 °C. Other temperature ranges can be selected by setting the dip switches located inside the rear panel to the appropriate values. Maximum allowed temperature is 65 °C.

**Note:** The temperature of the sample should be directly monitored using a separate measuring device to verify the proper operation of the **TC-124** following any adjustments to its default settings.



**Certifications**

***Declaration of Conformity***  
***CE MARKING (EMC)***

**Application of Council Directive: 89/336/EEC**

Standards To Which  
Conformity Is Declared:

EN55022 Class A  
EN61000-3-2  
EN61000-3-3  
EN50082-1:1992  
EN61000-4-2  
EN61000-4-3  
ENV50204  
EN610000-4-4  
EN610000-4-8  
EN610000-4-11

Manufacturer's Name:

Warner Instruments, LLC

Manufacturer's Address:

1125 Dixwell Avenue  
Hamden, CT 06514  
Tel: (203) 776-0664

Equipment Description:

Power Controller

Equipment Class:

ITE-Class A

Model Numbers:

TC-124

***I the undersigned, hereby declare that the equipment specified  
above, conforms to the above Directive(s) and Standard(s).***

Place: Hamden, Connecticut USA

Signature:



Full Name: Ralph Abate

Position: General Manager

***Declaration of Conformity***  
**CE MARKING (LVD)**

**Application of Council Directive: 73/23/EEC**

Standards To Which  
Conformity Is Declared:

EN61010-1:2001

Manufacturer's Name:

Warner Instruments, LLC

Manufacturer's Address:

1125 Dixwell Avenue  
Hamden, CT 06514  
Tel: (203) 776-0664

Equipment Description:

Power Controller  
Safety requirements for  
electrical equipment for  
measurement and laboratory  
use

Equipment Class:

Class I

Model Numbers:

TC-124

***I the undersigned, hereby declare that the equipment specified  
above, conforms to the above Directive(s) and Standard(s).***

Place: Hamden, Connecticut USA

Signature:



Full Name: Ralph Abate

Position: General Manager

## WEEE/RoHS Compliance Statement

### EU Directives WEEE and RoHS

#### To Our Valued Customers:

Harvard Apparatus is committed to being a good corporate citizen. As part of that commitment, we strive to maintain an environmentally conscious manufacturing operation. The European Union (EU) has enacted two Directives, the first on product recycling (Waste Electrical and Electronic Equipment, WEEE) and the second limiting the use of certain substances (Restriction on the use of Hazardous Substances, RoHS). Over time, these Directives will be implemented in the national laws of each EU Member State.

Once the final national regulations have been put into place, recycling will be offered for those Harvard Apparatus products which are within the scope of the WEEE Directive. Products falling under the scope of the WEEE Directive available for sale after August 13, 2005 will be identified with a "wheelie bin" symbol.

Two Categories of products covered by the WEEE Directive are currently exempt from the RoHS Directive – Category 8, medical devices (with the exception of implanted or infected products) and Category 9, monitoring and control instruments. Most of Harvard Apparatus' products fall into either Category 8 or 9 and are currently exempt from the RoHS Directive. Harvard Apparatus will continue to monitor the application of the RoHS Directive to its products and will comply with any changes as they apply.



- Do Not Dispose Product with Municipal Waste.
- Special Collection/Disposal Required.