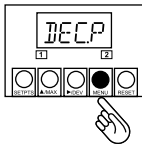


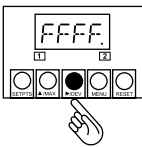
5

### To Set the Decimal Point

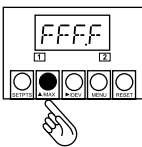
1. If it's not already shown, press MENU until the unit displays:



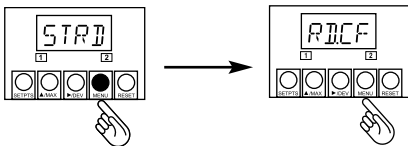
2. Press ► /DEV. The unit displays:



3. Press ▲ /MAX to move the decimal point to the desired location. The choices are FFFF. and FFF.F.

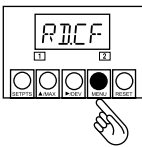


4. Press MENU to select the decimal point position shown. The unit displays:

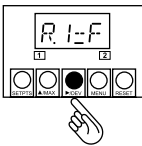


### To Set the Temperature Unit (Fahrenheit or Celsius):

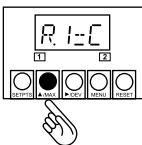
1. If it's not already shown, press MENU until the unit displays:



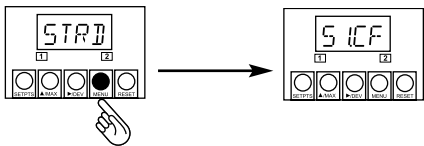
2. Press ► /DEV. The unit displays:



3. Press ▲ /MAX to display the setting you want. Choices are F and C.



4. Press MENU to select the temperature until shown. The unit displays:

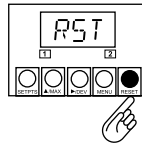


6

### Begin Operation

Exit the Configuration MENU and reinitialize the meter.

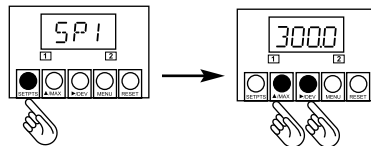
- Press RESET twice, or
- Press MENU until RST flashes on the display.



When the temperature appears, the meter is up and running.

### Changing Setpoint Values

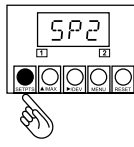
1. While in RUN mode, press SETPTS. The controller displays the current value for setpoint 1:



You can change setpoint 1 or press SETPTS again to show the current value for setpoint 2.

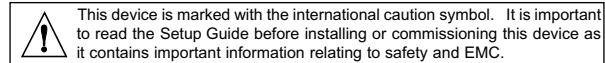
2. To change the setpoint 1 value:

- Press ► /DEV until the digit(s) you want to change flashes on the display.
- Press ▲ /MAX to change the value.
- Press SETPTS to store the value shown. The current value for setpoint 2 is shown:



3. Change setpoint 2 using the procedure above, or just press SETPTS to return to RUN mode.

**WARNING:** These products are not designed for use in, and should not be used for, patient connected applications.



It is the policy of NEWPORT to comply with all worldwide safety and EMC/EMI regulations that apply. NEWPORT is constantly pursuing certification of its products to the European New Approach Directives. NEWPORT will add the CE mark to every appropriate device upon certification.

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#### TRADEMARK NOTICE:



### Warranty/Disclaimer

NEWPORT Electronics, Inc. warrants this unit to be free of defects in materials and workmanship for a period of **one (1) year** from the date of purchase. In addition to NEWPORT's standard warranty period, NEWPORT Electronics will extend the warranty period for **four (4) additional years** if the warranty card enclosed with each instrument is returned to NEWPORT.

If the unit should malfunction, it must be returned to the factory for evaluation. NEWPORT's Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by NEWPORT, if the unit is found to be defective it will be repaired or replaced at no charge. NEWPORT's WARRANTY does not apply to defects resulting from any action of the purchaser, including but not limited to mishandling, improper interfacing, operation outside of design limits, improper repair, or unauthorized modification. This WARRANTY is VOID if the unit shows evidence of having been tampered with or shows evidence of being damaged as a result of excessive corrosion; or current, heat, moisture or vibration; improper specification; misapplication; misuse or other operating conditions outside of NEWPORT's control. Components which wear are not warranted, including but not limited to contact points, fuses, and triacs.

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Direct all warranty and repair requests/inquiries to the NEWPORT Customer Service Department. BEFORE RETURNING ANY PRODUCT(S) TO NEWPORT, PURCHASER MUST OBTAIN AN AUTHORIZED RETURN (AR) NUMBER FROM NEWPORT'S CUSTOMER SERVICE DEPARTMENT (IN ORDER TO AVOID PROCESSING DELAYS). The assigned AR number should then be marked on the outside of the return package and on any correspondence.

The purchaser is responsible for shipping charges, freight, insurance and proper packaging to prevent breakage in transit.

FOR **WARRANTY** RETURNS, please have the following information available BEFORE contacting NEWPORT:

1. P.O. number under which the product was PURCHASED,
2. Model and serial number of the product under warranty, and
3. Repair instructions and/or specific problems relative to the product.

FOR **NON-WARRANTY** REPAIRS, consult NEWPORT for current repair charges. Have the following information available BEFORE contacting NEWPORT:

1. P.O. number to cover the COST of the repair,
2. Model and serial number of product, and
3. Repair instructions and/or specific problems relative to the product.

NEWPORT's policy is to make running changes, not model changes, whenever an improvement is possible. This affords our customers the latest in technology and engineering.

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## INFCTP Temperature Controller with Time Proportional Control

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## Using This Quick Start Manual

Use this Quick Start Manual to set up your Controller and begin operation. Information is provided on how to:

- Connect ac power
- Connect the thermocouple
- Set basic options for operation

For complete information on all setup options, please refer to the Operator's Manual.

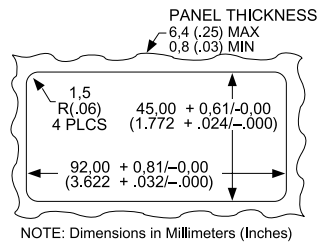
## Before You Begin

In addition to the controller and the related parts, you will need the following items to set up your unit:

- ac power, as listed on the units ID/Product Label
- Thermocouple
- 1/8-inch flat-blade screwdriver.

## Mount the Unit

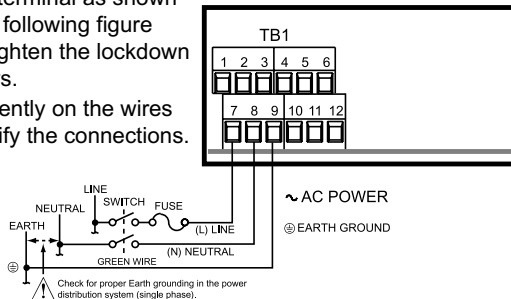
1. Cut a panel opening using the dimensions shown to the right.
2. Position the unit in the opening, making sure the front bezel gasket is flush to the panel.
3. Slide on mounting bracket to secure.



**Warning:** Do not connect ac power to your meter until you have completed all input and output connections. Failure to do so may result in injury!

## Connect AC Power

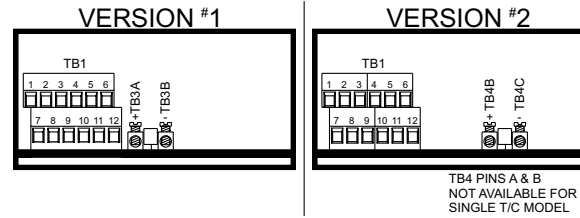
1. Remove the panel at the back of the unit.
2. Locate the TB1 connector.
3. Insert the correct wire in each terminal as shown in the following figure and tighten the lockdown screws.
4. Tug gently on the wires to verify the connections.



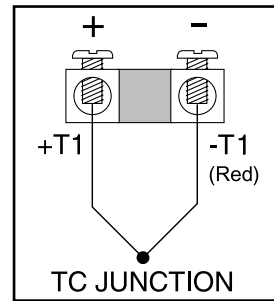
## Main ac Power Connections

## Connect the Thermocouple

1. Locate the Thermocouple connector on the rear of the unit. Refer figure below for location.



2. Attach the thermocouple wires.
  - Connect positive (+) lead of thermocouple.
  - Connect negative (-) red lead of thermocouple.
3. Tighten the lockdown screws. The following figure shows the correct wiring.
4. Tug gently on the wires to verify the connections.
5. Replace the panel at the back of the unit.



## Thermocouple Input Connection

## Turn On the Unit

1. Apply ac power to the unit.  
As the unit initializes, flashing RST and then T/C on the front panel. Then the temperature should appear.
2. Verify that a temperature is displayed. If not:
  - Remove ac power
  - Verify the TB1 power connections
  - Check your power source
  - Apply ac power again.

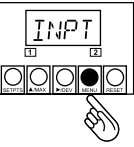
## Configure the Unit

To configure the unit, you use the buttons on the front panel.

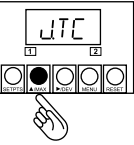
To:	Take This Action:
Display the Configuration Menu	Press the MENU button. The first on the menu, INPT, displays.
Select a submenu function	<ol style="list-style-type: none"> <li>1. Press MENU until the function you want is shown.</li> <li>2. Press ► /DEV.</li> </ol> The information you can change begins to flash.
Select a value for that submenu function	<ol style="list-style-type: none"> <li>1. Press ▲ /MAX to display the option you want.</li> <li>2. Press MENU to select it.</li> </ol> The message STRD quickly flashes, indicating that the selection has been stored in memory. Then the next menu function displays.
Go back to the previous menu function	Press RESET once.
Exit the Configuration	Press RESET twice. The unit reinitializes (displays RST, then T/C). When the temperature displays, the unit is back in run mode. (Optionally, you can press MENU to move through all the menu functions until the unit reinitializes.)

## To Set the Thermocouple Type:

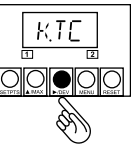
1. Press MENU until the unit displays:



2. Press ► /DEV. The unit displays:



3. Press ▲ /MAX until the thermocouple for your installation is shown.



Choices are J.TC, K.TC, T.TC, DJ.TC

4. Press MENU to select the thermocouple shown. The unit displays:

