



Using This Quick Start Manual

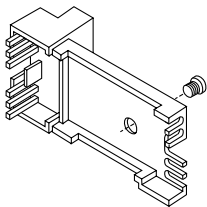
Use this Quick Start Manual to get your INFT Temperature Indicator when used with a thermocouple up and running right out of the box. To do this you:

- connect ac power
- connect the thermocouple
- configure the unit
 - specify thermocouple type
 - set degrees to C or F
 - set decimal point position

Before You Begin

You should have the following parts:

- INFT unit
- Front-panel button cover 
- Panel-mounting gaskets 
- Rear protective cover (attached) with green Cold Junction Compensation Board (right side, top to bottom).



You **MUST** have this component. Contact the Newport Customer Service Department at 1-800-NEWPORT or (714) 540-4914 if any of these parts are missing, or if you have questions.

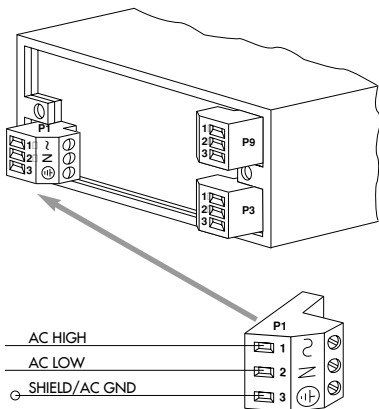
In addition to the unit and related parts, you will need the following items to set up your unit:

- 110V ac power
- Thermocouple
- 1/8" flat blade screwdriver
- 1/8" Phillips head screwdriver

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Connect ac Power

1. Remove the rear protective cover and set it aside. The cover is secured with a single Phillips-head screw.
2. Locate connector P1 on the bottom-left rear of the INFT unit. The connector has three screw-down terminals:



3. Insert the correct wire in each terminal and tighten the lockdown screw. Tug gently on the wires to verify the connections.

CAUTION

Take care not to damage the green Cold Junction Compensation board and its connectors.

4. Replace the rear cover. Verify proper seating of the connectors on the green Cold Junction Compensation board.
5. Thread the power wires through the slots on the side of the cover. Replace the rear cover retaining screw.

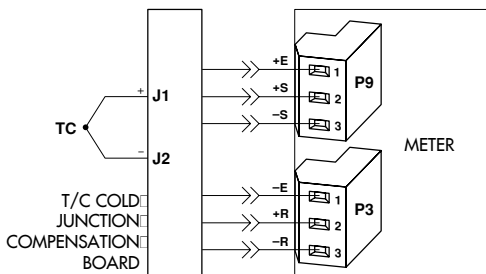
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Connect the Thermocouple

NOTE

Regardless of thermocouple type, the RED wire is always NEGATIVE.

The cover on the thermocouple connector shows the positive and negative terminals.



1. Attach the wires and tighten the retaining screws. Tug gently on each wire to verify the connection.
2. Apply ac power. The front panel of the unit displays *RESET2*, followed by the temperature. If it does not:
 - a. Remove ac power.
 - b. Verify your P1 power connections.
 - c. Check your power source.
 - d. Plug the unit in again.

If the unit flashes + OPEN, the Cold Junction Compensation Board is not seated properly. Check the connections and the rear cover retaining screw, and repeat this step.

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Configure the Unit

Press the front panel buttons:

Press This Button: To:



access the configuration menus and move from one menu to the next.



enter and scroll through a submenu.



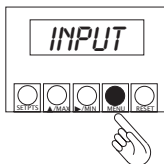
change the value of a submenu.



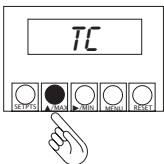
move backward one menu (press once) or exit the configuration menus (press twice).

To Set Thermocouple Type:

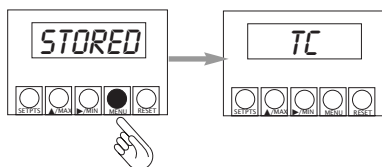
1. Press MENU until the meter displays:



2. Press ▲/MAX until the meter flashes:



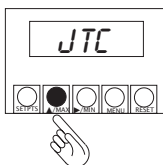
3. Press MENU. The meter displays:



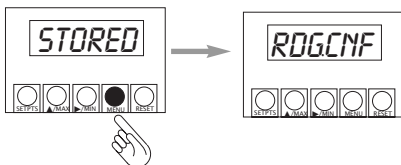
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- Press ▲/MAX until the meter displays the thermocouple type:

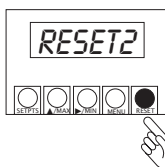
Your choices are J, K T, E, N, DNJ, R, S, and B.



- Press MENU. The meter displays:



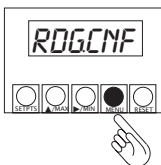
- Press RESET twice. The meter displays:



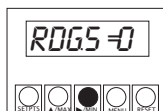
and then shows the current temperature.

To Set Temperature Units:

- Press MENU until the meter displays:



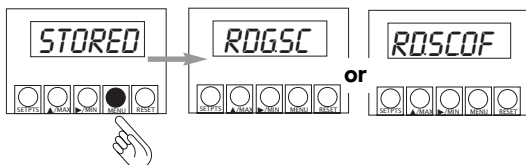
- Press ►/MIN until the meter displays:



- Press ▲/MAX to change the value.

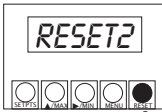
Your choices are:
0 = °C, 1 = °F, 2 = °K

- Press MENU to enter the value. The meter displays:



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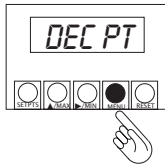
5. Press RESET twice. The meter displays:



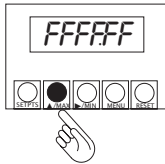
and then shows the current temperature.

To Set Decimal Point Position:

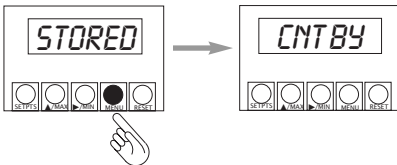
1. Press MENU until the meter displays:



2. Press ▲/MAX to move the decimal point to the desired location.



3. Press MENU. The meter displays:



4. Press RESET twice. The meter displays:



and then shows the current temperature.

The INFT unit is now up and running.

Warranty

All Products from NEWPORT ELECTRONICS, INC. are warranted against defective material and workmanship for a period of one (1) year from the date of delivery.

If the unit should malfunction, it must be returned to the factory for evaluation. Our 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. However, 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 or which are damaged by misuse are not warranted. These include contact points, fuses, and triacs.

In addition to our standard warranty period, NEWPORT ELECTRONICS will extend the warranty period for one (1) additional year only if the warranty card enclosed with each instrument is returned to NEWPORT.

We are glad to offer suggestions on the use of our various products. Nevertheless, NEWPORT warrants only that the parts manufactured by it will be as specified and free of defects. NEWPORT MAKES NO OTHER WARRANTIES OR REPRESENTATIONS OF ANY KIND WHATSOEVER, EXPRESSED OR IMPLIED, EXCEPT THAT OF TITLE, AND ALL IMPLIED WARRANTIES INCLUDING ANY WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. LIMITATION OF LIABILITY: The remedies of buyer set forth herein are exclusive and the total liability of NEWPORT with respect to this order, whether based on contract, warranty, negligence, indemnification, strict liability or otherwise, shall not exceed the purchase price of the component upon which liability is based. In no event shall NEWPORT be liable for consequential, incidental or special damages.

Every precaution for accuracy has been taken in the preparation of this manual; however, NEWPORT neither assumes responsibility for any omissions or errors that may appear nor assumes liability for any damages that result from the use of the products in accordance with the information contained in the manual.

SPECIAL CONDITIONS: Should this equipment be used in any nuclear installation or activity, buyer will indemnify NEWPORT and hold NEWPORT harmless from any liability or damage whatsoever arising out of the use of the equipment in such a manner.

Return Requests

Direct all warranty and repair requests/inquiries to the NEWPORT Customer Service Department.

BEFORE RETURNING ANY PRODUCTS(S) TO NEWPORT, YOU MUST OBTAIN AN AUTHORIZED RETURN (AR) NUMBER FROM OUR 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 sender is responsible for shipping charges, freight, insurance and proper packaging to prevent breakage in transit. NEWPORT's warranty does not apply to defects resulting from action of the buyer, mishandling, improper interfacing, operation outside of design limits, improper repair, or unauthorized modification.

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 you are having with 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 you are having with the product.

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