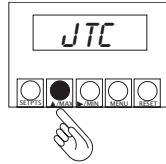


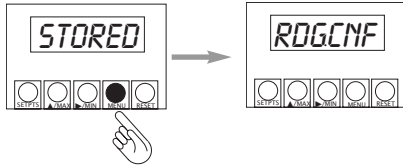
5

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

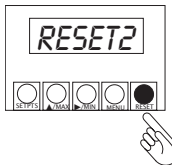
Your choices are J, K, T, E, N, DNJ, R, S, and B.



- Press MENU. The meter displays:



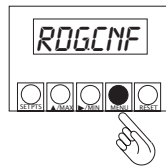
- Press RESET twice. The meter displays:



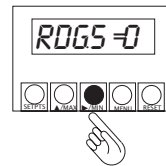
and then shows the current temperature.

To Set Temperature Units:

- Press MENU until the meter displays:



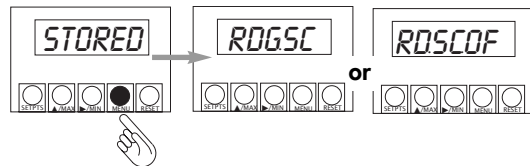
- Press ►/MIN until the meter displays:



- Press ▲/MAX to change the value.

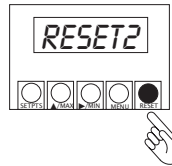
Your choices are:
0 = °C, 1 = °F, 2 = °K

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



6

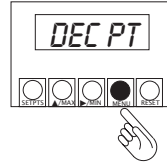
- Press RESET twice. The meter displays:



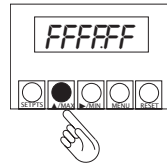
and then shows the current temperature.

To Set Decimal Point Position:

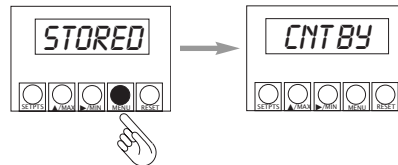
- Press MENU until the meter displays:



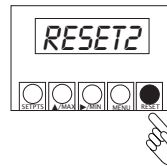
- Press ▲/MAX to move the decimal point to the desired location.



- Press MENU. The meter displays:



- Press RESET twice. The meter displays:



and then shows the current temperature.

The unit is now up and running.

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



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

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WARRANTY/DISCLAIMER

OMEGA ENGINEERING, INC. warrants this unit to be free of defects in materials and workmanship for a period of 13 months from date of purchase. OMEGA Warranty adds an additional one (1) month grace period to the normal one (1) year product warranty to cover handling and shipping time. This ensures that OMEGA's customers receive maximum coverage on each product.

If the unit should malfunction, it must be returned to the factory for evaluation. OMEGA's Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by OMEGA, if the unit is found to be defective it will be repaired or replaced at no charge. OMEGA'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 OMEGA's control. Components which wear are not warranted, including but not limited to contact points, fuses, and triacs.

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RETURN REQUESTS / INQUIRIES

Direct all warranty and repair requests/inquiries to the OMEGA Customer Service Department. BEFORE RETURNING ANY PRODUCT(S) TO OMEGA, PURCHASER MUST OBTAIN AN AUTHORIZED RETURN (AR) NUMBER FROM OMEGA'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 OMEGA:

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

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

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

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DP41-TC High Performance Temperature Indicator



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START HERE

Using This Quick Start Manual

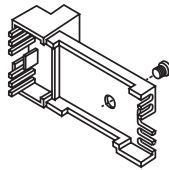
Use this Quick Start Manual to get your Temperature Indicator, when used with a Thermocouple, up and running right out of the box. To do this you:

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

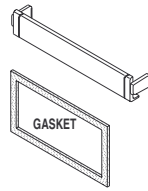
Before You Begin

You should have the following parts:

- Meter
- Front-panel button cover
- Panel-mounting gaskets
- ac Power Connector (orange -P1), Input Connectors (2) (grey -P3 and P9), and rear protective cover (mounted) with green Cold Junction Compensation Board (right side).



You **MUST** have this component.



Contact the nearest Customer Service Department using the numbers listed on the front of this Quick Start manual if any parts are missing, or if you have questions.

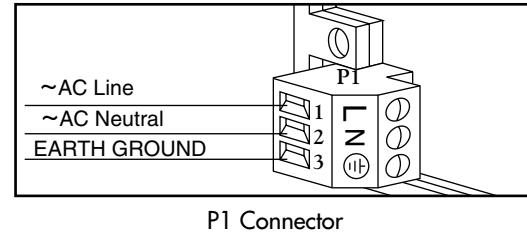
In addition to the unit and related parts, you will need the following items to set up your unit:

- ac power, as listed on meter's Product/ID label
- Thermocouple
- 1/8" flat blade screwdriver
- 1/8" Phillips head screwdriver

2

Connect ac Power

1. Remove the rear protective cover and set it aside. The cover is secured with a Phillips-head screw.
2. Locate connector P1 on the bottom-left-rear of the unit. The connector has three screw-down terminals.
3. Insert the correct wire in each terminal and tighten the lockdown screw. Tug gently on each wire to verify the connection.



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.

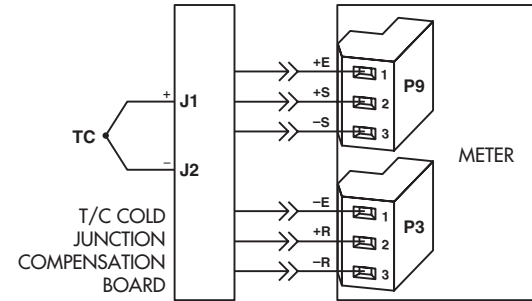
3

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.

4

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



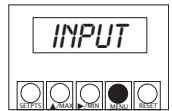
change the value of a submenu



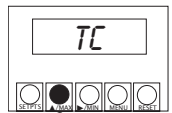
move backward one menu (press once) or exit the configuration menus (press twice).

To Set Thermocouple Type:

1. Press MENU until the meter displays:



2. Press ▲/MAX until the meter flashes:



3. Press MENU until the meter displays:

