

## 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 sensor input
- Set basic options for operation

For complete information on all setup options, see the Operator's Manual.

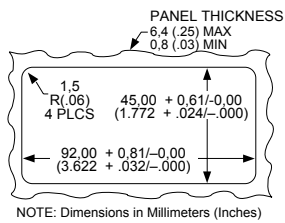
## Before You Begin

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

- ac power
- Sensor
- 1/8" flat blade screwdriver

## Mount the Meter

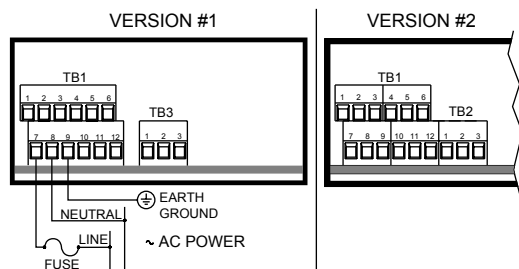
1. Cut a panel opening using the dimensions shown to the right.
2. Position the unit in the opening, making sure the front bezel is flush with the panel.



## Connect ac Power

**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!

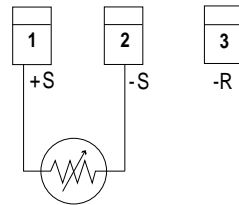
1. Remove the panel at the back of the unit.
2. Locate the TB1 connector.
3. Insert the correct wire in each terminal as shown in the following figure and tighten the lockdown screws. Tug gently on the wires to verify connections.



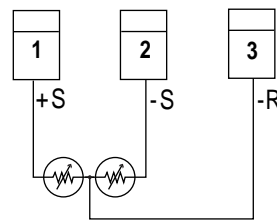
Main ac Power Connections

## Connecting the Sensor Input

1. Locate the TB2 (TB3 on Version #1) connector on the rear of the unit.
2. Connect sensors, referring to the appropriate diagram below and tighten down lockdown screws.
3. Tug gently on the wires to verify the connections.
4. Replace the panel at the back of the unit.



### 2-Wire Input (400 Series)



### 3-Wire Input (700 Series)

## Hook up Alarm 1 (Setpoint) (refer to TB1 Main ac Power Connection Drawing)

1. Connect a jumper from ac Line (Terminal 7) to Relay 1 Common (Terminal 3).
2. Connect Relay 1 Normally Open (Terminal 1) to External Alarm ac Line.
3. Connect External Alarm to ac Neutral (Terminal 8).

## Hook up Alarm 2 (Setpoint) (refer to TB1 Main ac Power Connection Drawing)

1. Connect a jumper from ac Line (Terminal 7) to Relay 2 Common (Terminal 6).
2. Connect Relay 2 Normally Open (Terminal 4) to External Alarm ac Line.
3. Connect External Alarm to ac Neutral (Terminal 8).

## Turn on the Unit

1. Apply power to the unit. The unit initializes, flashing "THERMISTOR". 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 power again

## Configure the Unit

To configure the unit, use the buttons on the controller's front panel.

To:	Take This Action
Display the Configuration Menu.	Press the <b>MENU</b> button. The first function on the menu, "INPT", displays.
Select the submenu function.	1. Press <b>MENU</b> until the function you want is shown. 2. Press <b>▶/MIN</b> .
Select a value for that submenu function.	1. Press <b>▲/MAX</b> to display the option you want. 2. Press <b>MENU</b> to select it. "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 <b>RESET</b> once.
Exit the Configuration Menu.	<ul style="list-style-type: none"> <li>• Press <b>RESET</b> twice. The unit reinitializes (displays "RST", then "THERMISTOR"). When the temperature displays, the meter is back in Run Mode.</li> <li>• Optionally, you can press <b>MENU</b> to move through all the menu functions until the meter reinitializes.</li> </ul>

Press the **MENU** button. The first function on the menu, "INPT", displays.

1. Press **MENU** until the function you want is shown.  
2. Press **▶/MIN**.

1. Press **▲/MAX** to display the option you want.  
2. Press **MENU** to select it. "STRD" quickly flashes, indicating that the selection has been stored in memory. Then the next menu function displays.

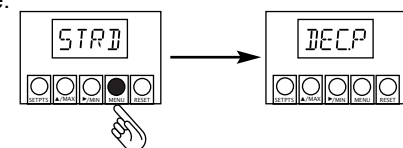
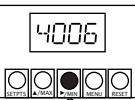
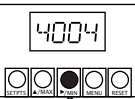
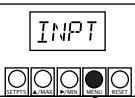
Press **RESET** once.

• Press **RESET** twice. The unit reinitializes (displays "RST", then "THERMISTOR"). When the temperature displays, the meter is back in Run Mode.

• Optionally, you can press **MENU** to move through all the menu functions until the meter reinitializes.

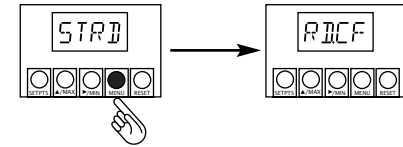
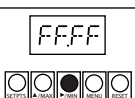
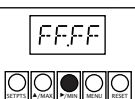
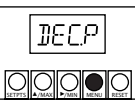
## To Change the Input Type:

1. Press **MENU** until the display shows "INPT":
2. Press **▶/MIN** to show current input type:
3. Press **▲/MAX** to select the setting. Choices are: 4004, 4005, 4006, 4007, 4008, 4017, 4018 and 700.
4. Press **MENU** to store the value.
5. Press **RESET** twice to display the current temperature.



## To Change the Decimal Point:

1. Press **MENU** until the display shows "DEC.P":
2. Press **▶/MIN** to show the current decimal point location:
3. Press **▲/MAX** to select the setting. Choices are: "FFF.F", "FFFF." or "FF.FF".
4. Press **MENU** to store the value.
5. Press **RESET** twice to display the current temperature.



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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:

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.

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1. P.O. number to cover the COST of the repair,
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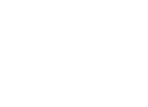
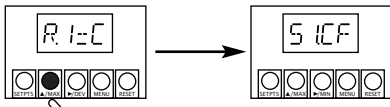
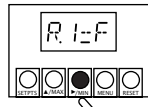
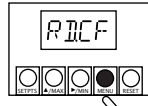
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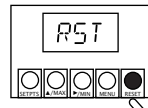
**To Select the Temperature Unit (Fahrenheit or Celsius):**

1. Press **MENU** until the display shows "RD.CF".
2. Press **►/MIN** to display the current temperature unit.
3. Press **▲/MAX** to select between "°F" and "°C".
4. Press **MENU** to store the value.
5. Press **RESET** twice to display the current temperature.



**Begin Operation**

Reinitialize the unit (press **RESET** twice or press **MENU** until "RST" flashes on the display).

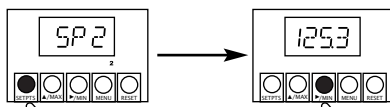
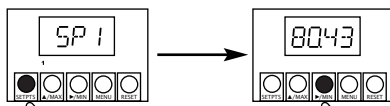


When the temperature appears, the unit is up and running.

**6**

**Changing Setpoint Values (for Dual Relay):**

1. While in RUN Mode, press **SETPTS**. The unit displays Setpoint 1:
  - Press **►/MIN** 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.
2. To change the Setpoint 1 value:
  - Press **►/MIN** 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. When Setpoint 2 appears, you can change it using the procedure above or press **SETPTS** to return to RUN Mode.



4. Repeat steps 1 through 3 to enter the next setpoint.

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

This device is marked with the international caution symbol. It is important to read the Setup Guide before installing or commissioning this device as it contains important information relating to safety and EMC.

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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**QUICK START**



**DP25-TH Thermistor Indicator/Controller**



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