Step 28. Select Latch Type Submenu
Press to display flashing green, red, blue. If flashing green is displayed, press, or if red is displayed, press until green is displayed, then press to store and go to the next menu item.

Step 29. Select the Above Type of Active Submenu
Press if flashing red. Above is displayed, press, or press to display flashing ENBL, if a

Step 30. Select the Deadband Value Submenu
Press the display will show DSBL, otherwise press or . Press to store and advance to next menu item.

Step 31. Enter the Alarm 2 Menu
The display will show the top menu for Alarm 2. Repeat steps 29 and 30 for Alarm 2 the same conditions as for Alarm 1.

Step 32. Configuration of Display Color Selection
Press until the green, red, blue or yellow (green), red, blue (amber). Please refer to the operator’s manual if needed.

Step 33. Run a Test
Press until reject the controller and return to RUN Mode to display 0000 Ambient Temperature. Now you are ready to observe temperature as it rises 10°F higher than displayed. Touch the tip of the Thermocouple to raise the temperature above the Alarm 2 value 0000, and AL2 will turn to press to select green, red, blue or yellow. Also turn the tip of the Thermocouple to raise the temperature above the Alarm 1 value 0000, and Display Color will change from amber to red.

Step 34. Display the Filter Constant Value Submenu
Press to display the flashing, previously selected Filter Constant.

Step 22. Enter the Filter Constant Submenu
Display shows Filter Constant Submenu.

Step 23. Enter the Filter Constant Submenu
Press displays Filter Constant Submenu.

Step 24. Display the Filter Constant Submenu Value
Press to display the flashing, previously selected Filter Constant.

Step 25. Scroll through available Filter Constants
Press to select Degree.

Step 26. Store the Filter Constant
Press to select Degree and the instrument will automatically go to the next menu item.

Step 27. Enter Alarm 1 Menu
Press until the green or blue Alarm 1 Menu appears on the Display. In the following steps we are going to enable Latch, Active Above, Deadband 020.0, and above Setpoint 1 Value will activate Alarm 1.

Step 28. Select Latch Type Submenu
Press to display flashing green, red, blue. If flashing green is displayed, press, or if red is displayed, press until green is displayed, then press to store and go to the next menu item.

Step 29. Select the Above Type of Active Submenu
Press if flashing red. Above is displayed, press, or press to display flashing ENBL, if a

Step 30. Select the Deadband Value Submenu
Press the display will show DSBL, otherwise press or . Press to store and advance to next menu item.

Step 31. Enter the Alarm 2 Menu
The display will show the top menu for Alarm 2. Repeat steps 29 and 30 for Alarm 2 the same conditions as for Alarm 1.

Step 32. Configuration of Display Color Selection
Press until the green, red, blue or yellow (green), red, blue (amber). Please refer to the operator’s manual if needed.

Step 33. Run a Test
Press until reject the controller and return to RUN Mode to display 0000 Ambient Temperature. Now you are ready to observe temperature as it rises 10°F higher than displayed. Touch the tip of the Thermocouple to raise the temperature above the Alarm 2 value 0000, and AL2 will turn to press to select green, red, blue or yellow. Also turn the tip of the Thermocouple to raise the temperature above the Alarm 1 value 0000, and Display Color will change from amber to red.
This Quick Start Reference provides information on setting up your instrument for basic operation. The latest complete Communication and Operational Manual as well as free Software and ActiveX Controls are available at www.omega.com/specs/iseries or on the CD-ROM enclosed with your shipment.

**SAFETY CONSIDERATION**

This device is marked with the international Caution symbol.

The instrument is a panel mount device protected in accordance with EN61010-1:2001. Remember that the unit has no power-on switch. Building installation should include a switch or circuit-breaker that must be compliant to IEC 947-1 and 947-3.

**SAFETY:**
- Do not exceed voltage rating on the label located on the top of the instrument housing.
- Always disconnect power before changing signal and power connectors for safety.
- Do not use this instrument on a work bench without its case for safety reason.
- Do not operate this instrument in flammable or explosive atmospheres.
- Do not expose this instrument to rain or moisture.

**EMC:**
- Whenever EMC is an issue, always use shielded cables.
- Never run signal and power wires in the same conduit.
- Use signal wire connections with twisted-pair cables.
- Install Ferrite Bead(s) on signal wire close to the instrument if EMC problems persist.

**MOUNTING**

Panel Mounting Instruction:

1. Using the dimensions from the panel cutout diagram shown above, cut an opening in the panel.
2. Insert the unit into the opening from the front of the panel, so the gasket seals between the bezel and the front of the panel.
3. Slide the retainer over the rear of the case and tighten against the backside of the mounting panel.

**FLOW CHART**

Connect the main power connections as shown in the figure below.

**CONFIGURATION**

MENU Mode: Flashing display in MENU Mode means you can make your selection by pressing button. If the flashing display is not a four digit value, pressing button will always direct the instrument one step backward from the top menu item. The second push on the button will reset the instrument except after the setpoint and the alarms, that will go to the RUN Mode without resetting the instrument. The button will always sequence the instrument thru the menu items.

The button has two functions:
- 1. To save a selected flashing display
- 2. To direct the instrument to the next submenu level

- RUN Mode: causes the display to flash the PEAK with the corresponding value. Press again to go back to RUN Mode.
- causes the display to flash VALLEY with the corresponding value. Press again to go back to RUN Mode.
- causes flashing PEAK or VALLEY to reset corresponding values. Press one more time to go back to RUN Mode.

**OPERATION**

- (For Thermocouple Input)

**Step 1. Apply Power to the Instrument**

When your device is first powered up it will display the ambient temperature (assume 75°F).

**Step 2. Enter Setpoint 1 Menu**

- Press one time from run mode to get to Setpoint 1.

**Step 3. Enter the Setpoint 1 Value Submenu**

- Press. Display shows the previous selection of Setpoint 1.

**Step 4. Change the Setpoint 1 Value Submenu**

- Press or until desired value is displayed.

**Step 5. Store the Setpoint 1 Value**

- Repeat steps 3 and 4. Set the Setpoint 2 to 5 degree higher than Process value (SP2 = 80) and press to store, display flashes STRD message and advances to Configuration Menu.

**Step 6. Store the Setpoint 2 value**

- Repeat steps 3 and 4. Set the Setpoint 2 to 5 degree higher than Process value (SP2 = 80) and press to store, display flashes STRD message and advances to Configuration Menu.

**Step 7. Enter the Input Type Menu**

- Press to enter Input Type Menu.

**Step 8. Enter to the submenu items of Input Menu**

- Press to display Input: Process, RTD or Thermocouple.

**Step 9. Scroll through available selection of Input Menu**

- Press until a flashing message is displayed. Press and proceed to step 11.

**Underline denotes factory default setup**