**Step 28. Enter Alarm 1 Enable/Disable Submenu**

If flashing appears on the Display, press **ENBL** to disable Alarm 1, press **DSBL** to enable Alarm 1, otherwise press **UNLT**. Press **ENBL** to store and advance to next menu item.

**Step 29. Enable Alarm 1 Submenu**

If flashing appears on the Display, press **ENBL** until UNLT is displayed, then press **DSBL** to store and go to the next menu item.

**Step 30. Select the Deviation Control Type Submenu**

Press **a** to display flashing, otherwise press **b**. Press **UNLT** to display flashing, otherwise press **b**. Press **a** to store and advance to next menu item.

**Step 31. Select the Latched Type Submenu**

If flashing appears on the Display, otherwise press **b** until UNLT is displayed. Press **a** to store and advance to next menu item.

**Step 32. Select the Normally Open Type of Contact Submenu**

Press **a** if flashing Normally Open is displayed, otherwise press **b** until UNLT is displayed. Press **a** to store and advance to next menu item.

**Step 33. Select the Above Type of Active Submenu**

If flashing Above is displayed, press **b** otherwise press **a** until UNLT is displayed. Press **a** to store and advance to next menu item.

**Step 34. Enable Alarm 1 at Power On Submenu**

Press **a** if flashing Alarm 1 at Power On is displayed, otherwise press **b** until UNLT is displayed. Press **a** to store and advance to next menu item.

**Step 35. Enter Alarm 1 High Submenu**

Press **a** to skip and Alarm 1 Low value. Press **b** if UNLT is displayed. Press **a** to store and advance to next menu item.

**Step 36. Set the Alarm 1 High value**

Press **b** or **a** until value set to display 0004. Press **a** to save.

**Step 37. Enter the Alarm 2 Menu**

The display will show 0002 the top menu for Alarm 2. Repeat steps from 28 to 36 to set for Alarm 2 the same conditions as for Alarm 1.

**Step 38. Configuration of Display Color Selection Submenu**

Press **a** until the Display Color Selection Submenu appears on the Display. Press **b** or **a** until value set to display 0001. Press **a** to save.

**Step 39. Run a Test**

Press **a** until the system has been stored and the instrument will go automatically to the next menu item.

**Step 40. Enter Filter Constant Submenu**

Press **b** to display the flashing, previously selected Filter Constant.

**Step 41. Select Filter Constant**

Press **b** to display the selected Filter Constant Submenu.

**Step 42. Display the Filter Constant Value Submenu**

Press **b** to display the flashing, previously selected Filter Constant.

**Step 43. Scroll through available Filter Constants**

Press **a** or **b** to sequence thru Filter Constantsales.

**Step 44. Set the Filter Constant**

Press **a** or **b** to store the Filter Constant and the instrument will automatically go to the next menu item.

**Step 45. Enter Alert 1 Menu**

The display will show 0001 the top menu for Alarm 1. In the following steps we are going to enable Alarm 1, Deviation, Unlatched, Normally Open, Active Above, Enable at power on and +2°F High Alarm Value. Press **a** until Setpoint Value +2°F will activate Alarm 1.

**Step 46. Enter Alert 1 Enable/Disable Submenu**

Press **b** to display flashing. Press **a** or **b**.

**Step 47. Enable Alert 1 Submenu**

If flashing is displayed, press **a** until UNLT is displayed, then press **b** to store and go to the next menu item.

**Step 48. Select the Deviation Control Type Submenu**

Press **a** to display flashing, otherwise press **b**. Press **UNLT** to display flashing, otherwise press **b**. Press **a** to store and go to the next menu item.

**Step 49. Select the Latched Type Submenu**

If flashing unlatched is displayed press **b**, otherwise press **a** until UNLT is displayed. Press **a** to store and advance to next menu item.

**Step 50. Select the Normally Open Type of Contact Submenu**

Press **a** if flashing Normally Open is displayed, otherwise press **b** until UNLT is displayed. Press **a** to store and advance to next menu item.

**Step 51. Select the Above Type of Active Submenu**

If flashing Above is displayed, press **b**, otherwise press **a** until UNLT is displayed. Press **a** to store and advance to next menu item.

**Step 52. Enable Warning Alarm 1 at Power On Submenu**

Press **a** if flashing Warning Alarm 1 at Power On is displayed, otherwise press **b** until UNLT is displayed. Press **a** to store and advance to next menu item.

**Step 53. Enter Warning Alarm 1 High Submenu**

Press **a** to skip and Warning Alarm 1 Low value. Press **b**, otherwise press **a** until UNLT is displayed. Press **a** to store and advance to next menu item.

**Step 54. Set the Warning Alarm 1 High value**

Press **b** or **a** until value set to display 0004. Press **a** to save. After you have selected the Thermocouple type press **a** to display the flashing, previously selected Filter Constant. Press **a** or **b** until value set to display 0004. Press **a** to save.

**Step 55. Set the Filter Constant**

Press **a** to display the selected Filter Constant Submenu.

**Step 56. Display the Filter Constant Value Submenu**

Press **a** to display the flashing, previously selected Filter Constant.

**Step 57. Select Filter Constant**

Press **a** or **b** to sequence thru Filter Constantsales.

**Step 58. Step through available Filter Constants**

Press **a** or **b** to sequence thru Filter Constantsales.

**Step 59. Store the Filter Constant**

Press **a** or **b** to store the Filter Constant and the instrument will automatically go to the next menu item.
Disassembly Instruction:
If necessary, the unit may be removed from the panel and opened.

**Warning:** Disconnect all ac power from the unit before proceeding.

1. Make sure the AC power is disconnected.
2. Remove all wiring connections from the rear of the meter. To remove power and input connectors bend the side panel detents on the case outward to release the connectors, then pull connectors from the meter.
3. To remove meter from the case, squeeze left and right sides of the bezel to release, then pull from case.

**WIRING**
Wire the instrument according to the figure shown below.

**Warning:** Do not connect ac power to your device until you have completed all input and output connections. This device must only be installed by a specially trained electrician with corresponding qualifications. Failure to follow all instructions and warnings may result in injury!

**FLOW CHART**
Connect the main power connections as shown in the figure below.

**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.

**Configuration Menu**

**MENU Mode:**
Flash 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 of 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.

**Setting the Setpoint 1 to 10 degree higher than Process value (SP1 = 85) and press until desired value is displayed.**

**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 until desired value is displayed.

**Step 7. Enter the Input Type Menu**
Press to display Input: Process, RTD or Thermocouple. If flashing T.ç is displayed press and proceed to Step 11.

**Step 8. Enter to the submenu items of Input Menu**
Press to display Input: Process, RTD or Thermocouple. If flashing input is displayed press and proceed to Step 11.

**Step 9. Scroll through available selection of Input Menu**
Press until a flashing for Thermocouple is displayed.

**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**
Press or until desired value is displayed.

**Step 5. Store the Setpoint 1 Value**
Set the Setpoint 1 to 10 degree higher than Process value (SP1 = 85) and press to store, display flashes message and advances to Setpoint 2 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 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. If flashing T.ç is displayed press and proceed to Step 11.

**Step 9. Scroll through available selection of Input Menu**
Press until a flashing for Thermocouple is displayed.