Step 11. Enter to the Thermocouple Type Input Submenu
Press \( \text{F}2 \) to display flashing, previously selected Thermocouple type.

Step 12. Through available selection of TC types
Press \( \text{H} \) sequence thru flashing Thermocouple types, (select k- for type "K" CHROMEL/ALUMEL)

Step 13.Store TC Type
After you have selected the Thermocouple type press \( \text{F}2 \) to store your selection, the instrument automatically advances to the next menu item.

Step 14. Enter to Reading Configuration Menu
The display shows the flashing Configuration, which is the top menu for 4 submenus: Decimal Point, Degree Units, Filter Constant and Input/Reading Scales.

Step 15. Enter to Decimal Point submenu
Press \( \text{F}6 \) to Decimal Point.

Step 16. Display the Decimal point Position
Press \( \text{F}6 \) again to display the flashing Decimal Point position.

Step 17. Set the Decimal point Position
By pressing \( \text{F}6 \) momentarily the Decimal point position will be stored and the instrument will go to the next menu item.

Step 18. Enter to Temperature Unit Submenu
Display shows \( \text{FACT} \) Temperature Unit.

Step 20. Display available Temperature Units
Press \( \text{F}2 \) to display the flashing Temperature Unit.

Step 21. Scroll through Temperature Units selection
Press \( \text{F}2 \) to set the temperature units for each alarm.

Step 22. Store the Temperature Unit
Press \( \text{F}6 \) to display momentarily the Degree that has been stored and the instrument will go automatically to the next menu item.

Step 23. Enter to Filter Constant Submenu
Display shows \( \text{FILT} \) Filter Constant Submenu.

Step 24. Display the Filter Constant value Submenu
Press \( \text{F}2 \) to display the flashing, previously selected Filter Constant.

Step 25. Scroll through available Filter Constants
Press \( \text{F}2 \) to sequence thru flashing Filter Constants.

Step 26. Store the Filter Constant
Press \( \text{F}6 \) momentarily to store \( \text{FILT} \) Filter Constant and the instrument will automatically go to the next menu item.

Step 27. Enter Alarm Menu
The display will show \( \text{ALRM} \) the top menu for Alarm 1. In the following steps we are going to enable Alarm 1, Deviation, Unlock, Normally Open, Active Above, +2°F and Alarm 2.

Step 28. Enter Alarm 1 Enable/Disable Submenu
Press \( \text{F}2 \) to display flashing, previously selected Alarm.

Step 29. Enable Alarm 1 Submenu
If flashing \( \text{ALRM} \) is displayed, press \( \text{F2} \). If \( \text{ALRM} \) is displayed, press \( \text{F2} \) until \( \text{ALRM} \) is displayed, then press \( \text{F2} \) to store and go to the next menu item.

Step 30. Select the Deviation Control Type Submenu
Press \( \text{F}2 \) to display flashing, previously selected Deviation control type.

Step 31. Select the Latched Type Submenu
Press \( \text{F2} \) to display flashing, previously selected Latched or Unlatched type.

Step 32. Select the Normally Open Type of Contact Submenu
Press \( \text{F2} \) to display flashing, previously selected Normally Open or Normally Closed type.

Step 33. Select the Above Type of Active Submenu
Press \( \text{F2} \) to display flashing, previously selected Above or Below type.

Step 34. Enable Alarm 1 at Power On
Press \( \text{F2} \) to enable Alarm 1 at Power On.

Step 35. Enter Alarm 1 High Submenu
Press \( \text{F2} \) twice to skip to Alarm 1 Low value. \( \text{F2} \) is for both values.

Step 36. Set the Alarm 1 High value
Press \( \text{F2} \) to display flashing, previously selected Alarm 1 High value.

Step 37. Enter the Alarm 2 Menu
The display will show \( \text{ALRM} \) the top menu for Alarm 2. Repeat steps from 28 to 36 for setting Alarm 2 settings.

Step 38. Skip the Loop Break Time Menu
Press \( \text{F2} \) to go to the \( \text{OUT1} \) Output Menu 1.

Step 39. Configuration the Output 1 Menu

** TradeMARKS**

NEWPORT® and the “Meter Bezel Design” are Trademarks of NEWPORT ELECTRONICS, INC.
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.newportUS.com 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 connections.

Do not use this instrument on a work bench without its case for safety reason.

Do not expose this instrument to rain or moisture.

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

Make sure the AC power is disconnected.

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.

To remove meter from the case, squeeze left and right sides of the bezel to release, then pull from case.

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.

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 connections.

Do not use this instrument on a work bench without its case for safety reason.

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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.

Warning: Do not connect ac power to your power devi while you have not installed 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!

WIRING

Wire the instrument according to the figure shown below.

Warning: Do not connect ac power to your power devi while you have not installed 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!

FUSE Connector Output Type For 115Vac For 230Vac DC

FUSE 1 Output 1 Relay 3 A(T) 3 A(T) -

FUSE 2 Output 2 Relay 3 A(T) 3 A(T) -

FUSE 4 Power N/A N/A N/A 400 mA(T)

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.

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

AC POWER: 80 - 380 Vac 50 - 60Hz

LOW VOLTAGE POWER OPTION

FLOW CHART

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

Set the Setpoint 1 to 10 degree higher than Process value (SP1 = 85) and press STRD to store, display flashes and advance to Setpoint 2 Menu.

Step 3. Change the Setpoint 1 Value

Press or until desired value is displayed.

Step 4. Change the Setpoint 1 Value

Press or until desired value is displayed.

Step 5. Store the Setpoint 1 Value

Press or until desired value is displayed.

Step 6. Store the Setpoint 2 value

Press or until desired value is displayed.

Step 7. Enter to the submenu items of Input Menu

Press or until a flashing message and advances to Configure Menu.

Step 8. Enter to the submenu items of Input Menu

Press or until a flashing message and advances to Configure Menu.

Step 9. Scroll through available selection of Input Menu

Press or until a flashing message and advances to Configure Menu.

Step 10. Enter to the Thermocouple Input Submenu

Press to store Thermocouple Input. The display will stop flashing and show the top menu for Thermocouple types. If you press controller will step to next menu item (Skip to Step 14).

Another menu will display with options for Thermocouple types. If you are finished setting up for this menu, press to return to the main menu.

Step 11. Scroll through available selection of Input Menu

Press to store Thermocouple Input.

Step 12. Enter to the Thermocouple Input Submenu

Press to store Thermocouple Input. The display will stop flashing and show the top menu for Thermocouple types. If you press controller will step to next menu item (Skip to Step 14).

Step 13. Scroll through available selection of Input Menu

Press to store Thermocouple Input.

Step 14. Enter to the Thermocouple Input Submenu

Press to store Thermocouple Input. The display will stop flashing and show the top menu for Thermocouple types. If you press controller will step to next menu item (Skip to Step 14).

CAUTION:

It is required that you put the controller in Standby Mode for any configuration changes other than Setpoints and Alarms.

Underline denotes factory default setup