Alarm 1 is designed to monitor the humidity value around Setpoint 1 and Alarm 2 is designed to monitor the temperature value around Setpoint 2.

Step 17. Enter Alarm 1 Enable/Disable Submenu
Press ‘ESC’ to display flashing ‘ALR1’.

Step 18. Enable Alarm 1 Submenu
Press ‘ESC’ if ‘ALR1’ is displayed. Press ‘ESC’ until ‘ALR1’ is displayed, then press ‘ESC’ to store and go to the next menu item.

Step 19. Select the Deviation Control Type Submenu
Press ‘ESC’ if flashing ‘Deviation’ is displayed press ‘ESC’ otherwise until flashing ‘ALR1’ is shown. Now press ‘ESC’ to store and go to next menu item.

Step 20. Select the Latched Type Submenu
Press ‘ESC’ if flashing ‘Unlatched’ is displayed press ‘ESC’ otherwise until ‘ALR1’ is displayed. Press ‘ESC’ to store and advance to next menu item.

Step 21. Select the Normally Open Type of Contact Submenu
Press ‘ESC’ if flashing ‘Norm On’ is displayed, press ‘ESC’ otherwise until ‘Displays’ is displayed. Press ‘ESC’ to store and advance to next menu item.

Step 22. Select the Above Type of Active Submenu
Press ‘ESC’ if flashing ‘Above’ is displayed, press ‘ESC’ otherwise until ‘Displays’ is displayed. Press ‘ESC’ to store and advance to next menu item.

Step 23. Enable Alarm 1 at Power On (OPO)
Press ‘ESC’ if flashing ‘OPO’ is displayed, otherwise until ‘Displays’ is displayed. Press ‘ESC’ to store and advance to next menu item.

Step 24. Enter Alarm 1 High Submenu
Press ‘ESC’ twice to skip to Alarm 1 Low value.

Step 25. Set the Alarm 1 High value
Press ‘ESC’ or ‘U’ until value to set the display to ‘0000’. Press ‘ESC’ to save.

Step 26. Enter the Alarm 2 Menu
The display will show ‘ALR2’ the top menu for Alarm 2. Repeat steps from 17 to 25 to set for Alarm 2 the same conditions as for Alarm 1.

Step 29. Configuration of Display Color Selection
Press ‘ESC’ or ‘U’ until the ‘ALR1’ display appears. Press ‘ESC’ or ‘D’ until ‘RED’, ‘GREEN’, ‘BLUE’ or ‘AMBER’ is shown. Please refer to the operators manual for further information.

For color change on Setpoints refer to Owners Manual Section 2.

Specifications

Sensor Specifications

Relative Humidity

- 22% for 10 to 90% RH
- 3% for 5 to 95% and 90 to 95% RH
- 4% for 5% and 95 to 100% RH

Temperature Accuracy

- ±1% RH
- Range Type: 8; read 63%
- Resolution: ±0.5 readings
- Resolution: ±0.1% RH

Temperature Accuracy Range:

- ±0.5°C for -40°F to 111°F (up to 122°F)
- ±0.1°C for 111°F to 158°F
- ±0.05°C for 158°F to 180°F

*NIST traceable standards are used for calibration of the controller's operating range is 60°C.

Response Time

- 9.5 sec, tau 63%
- 5.5 sec, tau 95%
- 2.5 sec, tau 99%

Repeatability: ±1.0°C

Resolution: 0.1°C

METER SPECIFICATIONS

Display:

- 4-digit, 9-segment LED,
- 4-digit, 7-segment LED

Display Color Selection Menu

- RED
- GREEN
- BLUE
- AMBER

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This device is marked with the international caution symbol. It is important to read the information relating to safety and EMC.

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Operator is strongly encouraged to read through and understand all aspects of the User Manual before using this device. Any data or procedures which require the use of this device must be performed with due caution and attention. Statements or recommendations in this manual do not imply a guarantee or responsibility on the part of the manufacturer. NEWPORT will not be liable for loss, damage, or injury from the use of this manual. However, you may reproduce this document for use, and should not be used for professional use.
Operation:

1. Remove all wiring connections from the rear of the instrument, by unplugging the power and input connectors.
2. The meter is front removable from the case.
3. Pull the board assembly out of the 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!

Factory defaults are shown. The Dual Display allows the user to observe the Relative Humidity or Dewpoint (upper display) and Temperature Value (lower display), at the same time.

DESCRIPTION OF FRONT PANEL

The upper display may be RH, Temperature or Dewpoint readings depending on your Reading Configuration selections. Factory defaults are shown. The Dual Display allows the user to observe the Relative Humidity or Dewpoint (upper display) and Temperature Value (lower display), at the same time.

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

1. Remove all wiring connections from the rear of the instrument, by unplugging the power and input connectors.
2. The meter is front removable from the case.
3. Pull the board assembly out of the case.

Configuration Mode: used to navigate through the menu options and configure the controller.

Configuration Flow Chart:

- To enter the Menu, the user must first press button.
- Use this button to advance/navigate to the next menu item. The user can navigate through all the top level menus by pressing button.
- While a parameter is being modified, press button to escape without saving the parameter.
- Press the up button to scroll through flashing selections. When a numerical value is displayed press this key to increase value of a parameter that is currently being modified.
- Pressing the button for approximately 3 seconds will speed up the rate at which the set point value increments.
- In the Run Mode, pressing the button changes display from RH readings to Temperature readings.
- Press the down button to go back to a previous Top Level Menu item.
- Press this button twice to reset the controller to the Run Mode.
- When a numerical value is flashing (except set point value) press button to scroll digits from left to right allowing the user to select the desired digit to modify.
- When a setpoint value is displayed press button to decrease value of a setpoint that is currently being modified. Pressing the button for approximately 3 seconds will speed up the rate at which the setpoint value is decremented.
- In the Run Mode, pressing the button changes display from RH readings to Dewpoint readings.
- Press the enter button to access the submenus from a Top Level Menu item.
- Press button to store a submenu selection or after entering a value - the display will flash a message to confirm your selection.
- In the Run Mode, press twice to enable Standby Mode with flashing.

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.

Warning:
- To enter the Menu, the user must first press button.
- Use this button to advance/navigate to the next menu item. The user can navigate through all the top level menus by pressing button.
- While a parameter is being modified, press button to escape without saving the parameter.
- Press the up button to scroll through flashing selections. When a numerical value is displayed press this key to increase value of a parameter that is currently being modified.
- Pressing the button for approximately 3 seconds will speed up the rate at which the set point value increments.
- In the Run Mode, pressing the button changes display from RH readings to Temperature readings.
- Press the down button to go back to a previous Top Level Menu item.
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- Press the enter button to access the submenus from a Top Level Menu item.
- Press button to store a submenu selection or after entering a value - the display will flash a message to confirm your selection.
- In the Run Mode, press twice to enable Standby Mode with flashing.