Step 17. Enter Alarm 1 Enable/Disable Submenu
Press to display flashing ALR. Press

Step 18. Enter Alarm 1 Submenu
Press if ALR is displayed, press if ALR is displayed, press if ALR is displayed, then press to store and go to the next menu item.

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

Step 20. Select the Latched Type Submenu
Press if flashing Unlatched is displayed press, otherwise press if is displayed. Press to store and advance to next menu item.

Step 21. Select the Normally Open Type of Contact Submenu
Press if flashing Normally Open is displayed, press, otherwise press if is displayed. Press to store and advance to next menu item.

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

Step 23. Enable Alarm 1 at Power On
Press if flashing ALR is displayed, press, otherwise press if is displayed. Press to store and advance to next menu item.

Step 24. Enter Alarm 1 High Submenu
Press twice to skip filter feature. ALR 1 Low value. Press for below & for above.

Step 25. Set the Alarm 1 High (ALR.H)
Press or until value is set to display the to . Press to save.

Step 26. Enter the Alarm 2 Menu
The display will show 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
Menu. Press and advance to next menu item.

Step 5. Store the Setpoint 1 Value
until flashing display shows the previous selection of Setpoint 1. Press to store and advance to next menu item.

Step 7. Enter the Reading Config Menu
Press to exit Reading Config Menu.

Step 8. Enter the submenu items of Rgd Config Menu
Press to display Setpoint 1. Press to display Setpoint 2. Press to display flashing DEL message and advance to Change Configuration Menu.

Step 9. Enter the submenu items of Rgd Config Menu
Press to display Temp Unit submenu.

Step 10. Scroll thru selection for Temp Unit submenu
Press to scroll through the available selections of the Temperature Unit of your choice: or .

Step 11. Store the Temperature Unit
Press, display momentarily shows the Unit that has been stored and the instrument will go automatically to the next menu item.

Step 12. Enter the Filter Constant Submenu
Display shows .

Step 13. Display the Filter Constant Value Submenu
Press to display the flashing, previously selected Filter Constant.

Step 14. Scroll through available Filter Constants
Press to select the Filter Constant to be displayed.

Step 15. Store the Filter Constant
Press momentarily to store . The instrument will automatically go to the next menu item.

Step 16. Enter Alarm 1 Menu
The display will show the top menu for Alarm 1. In the following steps we are going to enable Alarm 1, Deviation, Unlatch, Normally Open, Active Above. Enable at power-on and °F High Alarm i.e. Process Value > Setpoint 1 Value °F will activate Alarm 1:

- If Analog Output Option is installed and enabled, the controller will skip Alarm 1 Menu item to Analog Output.
- Alarm must be DISABLED if Ramp is ENABLED.
- Alarm1 will only work for Humidity, not Temperature.

Step 17. Enter Alarm 1 Enable/Disable Submenu
Press to display flashing ALR. Press

Step 18. Enter Alarm 1 Submenu
Press if ALR is displayed, press if ALR is displayed, press if ALR is displayed, then press to store and go to the next menu item.

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

Step 20. Select the Latched Type Submenu
Press if flashing Unlatched is displayed press, otherwise press if is displayed. Press to store and advance to next menu item.

Step 21. Select the Normally Open Type of Contact Submenu
Press if flashing Normally Open is displayed, press, otherwise press if is displayed. Press to store and advance to next menu item.

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

Step 23. Enable Alarm 1 at Power On
Press if flashing ALR is displayed, press, otherwise press if is displayed. Press to store and advance to next menu item.

Step 24. Enter Alarm 1 High Submenu
Press twice to skip filter feature. ALR 1 Low value. Press for below & for above.

Step 25. Set the Alarm 1 High (ALR.H)
Press or until value is set to display the to . Press to save.

Step 26. Enter the Alarm 2 Menu
The display will show 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
Menu. Press and advance to next menu item.

Step 5. Store the Setpoint 1 Value
until flashing display shows the previous selection of Setpoint 1. Press to store and advance to next menu item.

Step 7. Enter the Reading Config Menu
Press to exit Reading Config Menu.

Step 8. Enter the submenu items of Rgd Config Menu
Press to display Setpoint 1. Press to display Setpoint 2. Press to display flashing DEL message and advance to Change Configuration Menu.

Step 9. Enter the submenu items of Rgd Config Menu
Press to display Temp Unit submenu.

Step 10. Scroll thru selection for Temp Unit submenu
Press to scroll through the available selections of the Temperature Unit of your choice: or .

Step 11. Store the Temperature Unit
Press, display momentarily shows the Unit that has been stored and the instrument will go automatically to the next menu item.

Step 12. Enter the Filter Constant Submenu
Display shows .

Step 13. Display the Filter Constant Value Submenu
Press to display the flashing, previously selected Filter Constant.

Step 14. Scroll through available Filter Constants
Press to select the Filter Constant to be displayed.

Step 15. Store the Filter Constant
Press momentarily to store . The instrument will automatically go to the next menu item.

Step 16. Enter Alarm 1 Menu
The display will show the top menu for Alarm 1. In the following steps we are going to enable Alarm 1, Deviation, Unlatch, Normally Open, Active Above. Enable at power-on and °F High Alarm i.e. Process Value > Setpoint 1 Value °F will activate Alarm 1:

- If Analog Output Option is installed and enabled, the controller will skip Alarm 1 Menu item to Analog Output.
- Alarm must be DISABLED if Ramp is ENABLED.
- Alarm1 will only work for Humidity, not Temperature.
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 operate this instrument on a work bench without its case for safety reasons.
- Do not allow damp 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 shown in exploded views, cut an opening in the panel. 45mm × 61.00 square with R 1.5, 4 places (1.772 × 0.041 × 0.000 square with R 0.06, 4 places)
2. Insert the unit into the opening from the front of the panel, then 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.

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 squeeze top and bottom of the case near the connector site for release, then pull connectors from the case.
3. To remove meter from the case, squeeze top and bottom of the case for release, then pull case from bottom.

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!

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 you to observe the Relative Humidity or Dewpoint (upper display) and Temperature Value (lower display), at the same time.

Relative Humidity Upper Display
Temperature Lower Display

Button Function in Configuration Mode

- To enter the Menu, the user must first press ENTER button.
- Use this button to advance/navigate to the next menu item. The user can navigate through all the top level menus by pressing ENTER button.
- While a parameter is being modified, press ENTER 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 the value of a parameter that is currently being modified.
- Pressing the down button for approximately 3 seconds will set the value to which the set point value increments.
- In the Run Mode, pressing the down button changes display from RH readings to Temperature readings.
- Press this button twice to reset the controller to the Run Mode.
- When a numerical value is flashing (except set point value) press ENTER 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 this button to increase value of a parameter that is currently being modified.
- • While a parameter is being modified, press this button to scroll through "flashing" selections. When a numerical value is displayed press this key to increase the value of a parameter that is currently being modified.
- • Press the up button for approximately 3 seconds will set the value to which the set point value increments.
- • In the Run Mode, pressing the down button changes display from RH readings to Dewpoint readings.
- • Press this button to access submenus from a Top Level Menu item.
- • Press this button twice to reset the controller to the Run Mode.
- • Press this button to store a submenu selection or after entering a value - the display will flash a Startup message to confirm your selection.
- • In the Run Mode, press this button twice to enable Standby Mode with flashing RH.

Configuration Flow Chart

Underline denotes factory default setup.