Step 17. Enter Alarm 1 Enable/Disable Submenu
Press ○ to display flashing [ON].

Step 18. Enable Alarm 1 Submenu
If flashing [ON] is displayed, press ○. If [OFF] is displayed, press ○ until [ON] is displayed, then press ○ to store and go to next menu item.

Step 19. Select the Deviation Control Type Submenu
Press ○ if flashing [DEVIATION] is displayed, otherwise press ○ until flashing [DEVIATION] 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, otherwise press ○ until flashing [UNLATCHED] is displayed. Press ○ to store and advance to next menu item.

Step 21. Select the Commonly Open Type of Contact Submenu
Press ○ if flashing [COMMONLY OPEN] is displayed, otherwise press ○ until flashing [COMMONLY OPEN] is displayed. Press ○ to store and advance to next menu item.

Step 22. Select the Above The Value of Active Submenu
Press ○ if flashing [ABOVE] is displayed, otherwise press ○ until flashing [ABOVE] is displayed. Press ○ to store and advance to next menu item.

Step 23. Enable Alarm 1 at Power On (PDON)
Press ○ if flashing [PDON] is displayed, otherwise press ○ until flashing [PDON] is displayed. Press ○ to store and advance to next menu item.

Step 24. Enter Alarm 1 High Submenu
Press ○ twice to skip [LOW] alarm. Press ○ until [LOW] is for below 0°C for above.

Step 25. Set the Alarm 1 High Value
Press ○ or ○ until value to set the display to [LOW]. Press ○ to save.

Step 26. Enter the Alarm 2 Menu
The display will show [ALR. H] 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 27. Skip the Low Alarm Break Menu (ALR.L)
Press ○ to go to the [LOW] Output 1 menu item.

Step 28. Configuration the Output 1 Menu
Press ○.

Step 29. Display Color Selection Menu
Configure Output 1 as [RED], [GREEN], [AMBER], [GREEN/N.CLR] (GRN), or [RED/N.CLR] (RED) for the selected options. More menu options are available if needed. Please refer to the owner’s manual if needed. Press ○ to save and go to next menu item.

Step 29. Configuration of Display Color Selection
Press ○ if flashing [GRN] or [RED/N.CL] is displayed, otherwise press ○ until flashing [GRN] or [RED/N.CL] is displayed. Press ○ to store and advance to next menu item.

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

SPECIFICATION
Sensitivity Specifications
Range
SP1: -20% to 50% or 0% to 100%
SP2: -2% to 10%
Nonlinearity: ±0.5% of full scale
Humidity: ±1% RH
Response time: 8 sec, test: 60 sec
Repeatability: ±1%
Resolution: 0.1%--12-bit
Temperature Accuracy/Range*: [±0.05°C for -10°C to 15°C (±1°F for -14°F to 59°F)], [±0.1°C for 15°C to 60°C (±1.8°F for 59°F to 140°F)], [±0.5°C for 60°C to 150°C (±1°F for 140°F to 292°F)]

Note: Reduced accuracy at low temperatures. Output accuracy limited to ±0.05°C for -10°C to 15°C, [±0.1°C for -10°C to 212°F], [±0.5°C for 80°F to 392°F], [±1°C for 392°F to 600°F]

Response Time: 0.5 sec, test: 6 sec
Repeatability: ±1°C
Resolution: 0.1°C, 0.5°C

Response Time: 0.5 sec, test: 6 sec
Repeatability: ±1°C
Resolution: 0.1°C, 0.5°C

Response Time: 0.5 sec, test: 6 sec
Repeatability: ±1°C
Resolution: 0.1°C, 0.5°C

Response Time: 0.5 sec, test: 6 sec
Repeatability: ±1°C
Resolution: 0.1°C, 0.5°C

Display: 4-digit, 7-segment LED.
+1.5 mm (0.06"
Red, green, and amber programmable colors for setpoint and temperature units.

Dimensions: 25.4 x 41.9 x 112.8 mm (1 x 1.6 x 4.5"
Weight: 127 (0.29 lb
Approach: per EN61010-12001

The display will show [ALR. L] 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 i.e. Process Value > Setpoint 1 > Setpoint 2 +2°F will activate Alarm 1.

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

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.
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 panels detents on the case outward to release the connector, 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.

DISASSEMBLY INSTRUCTION:

- Underline denotes factory default setup
- *= if unit is equipped with option.

**SAFETY:**

- Do not exceed rating voltage 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 workbench without its case for safety reasons.
- Do not operate instrument in flammable or explosive atmospheres.
- Do not disassemble 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 device.
- Use shielded cables for signal and power connections.

**SAFETY CONSIDERATION:**

- 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.

**MOUNTING Panel Mounting Instruction:**

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

CONNECTOR OUTPUT TYPE FOR 115Vac FOR 230Vac

- Output 1/Relay 3 A(T)
- Output 2/Relay 3 A(T)
- Output 3/Relay 3 A(T)
- Power N/A

**DESCRIPTION OF FRONT PANEL:**

- Analog 1/Power
- Analog 2/Power
- Analog 3/Power

**CONFIGURATION FLOW CHART:**

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

**Button Function in Configuration Mode:**

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