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 to display flashing ALR1.

Step 18. Enable Alarm 1 Submenu
If flashing ALR1 is displayed, press if ALR1 is displayed, press until ALR1 is displayed, then press to store and go to the next menu item.

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

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

Step 21. Select the Normally Open Type of Contact Submenu
Press If flashing ALR1 is Normally Open is displayed press, otherwise press until ALR1 is displayed. Press to store and advance to next menu item.

Step 22. Select the Above Type of Active Submenu
Press If flashing ALR1 is Above is displayed press, otherwise press until ALR1 is displayed. Press to store and advance to next menu item.

Step 23. Enable Alarm 1 at Power On Press if ALR1 is displayed press, otherwise press until ALR1 is displayed. Press to store and advance to next menu item.

Step 24. Enter Alarm 1 High Submenu
Press twice to skip ALR1. Low value. Press for below & for above.

Step 25. Set the Alarm 1 High Value Press or until value to set the display to . Press 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 27. Configuration of Display Color Selection
Press until the Display Color Selection Menu appears on the Display. Configure for (green), or (red), or (amber). Press to advance to next menu item.

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

### SPECIFICATION

<table>
<thead>
<tr>
<th>SENSOR SPECIFICATIONS</th>
<th>Relative Humidity Accuracy Range:</th>
</tr>
</thead>
<tbody>
<tr>
<td>22% for 0% to 10% and 90% to 95%; 44% for 5% to 90%; 95% and 99% to 100%</td>
<td></td>
</tr>
<tr>
<td>Nominal: 1% RH</td>
<td></td>
</tr>
<tr>
<td>Reporting: ±0.1% Resolution: 0.5% Resolution: 1%</td>
<td></td>
</tr>
</tbody>
</table>

### METER SPECIFICATIONS

<table>
<thead>
<tr>
<th>Display:</th>
<th>4-digit, 9-segment LED,</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolution:</td>
<td>±0.1%</td>
</tr>
<tr>
<td>Temperature Accuracy Range:</td>
<td>±0.5°C for 5 to 45°C (±1°F for 41 to 113°F); up to ±1.5°C for -40 to 5°C and 45 to 124°C (up to ±2.7°F for -40 to 41°F and 113 to 257°F)</td>
</tr>
<tr>
<td>Resolution:</td>
<td>±0.1°C</td>
</tr>
<tr>
<td>Repeatability:</td>
<td>±0.1°C</td>
</tr>
<tr>
<td>Response Time:</td>
<td>8 sec, tau 63%</td>
</tr>
<tr>
<td>Linear Range:</td>
<td>0 to 100% RH</td>
</tr>
<tr>
<td>Output 1:</td>
<td>Relay 250 Vac @ 3 A Resistive Load, SSR, Pulse</td>
</tr>
<tr>
<td>Options:</td>
<td>Communication</td>
</tr>
<tr>
<td>Line Voltage/Power:</td>
<td>20 - 35 Vdc, 40, 240 Vac, 10%</td>
</tr>
<tr>
<td>Current:</td>
<td>4 W</td>
</tr>
<tr>
<td>Weight:</td>
<td>200 (0.89 lb)</td>
</tr>
<tr>
<td>Approvals:</td>
<td>CE EN61010-1 2001</td>
</tr>
</tbody>
</table>

### WARNINGS

These products are not designed for use in, and should not be used for, patient- contaminated environments. OMEGA is not liable or responsible for any error or omission in this document. Information relating to safety and EMC is included in the Setup Guide before installing or commissioning this device, as the guide contains important instructions and recommendations. All information contained herein is subject to change without notice. OMEGA is neither responsible nor liable for any damages resulting from such changes.

### TRADEMARK NOTICE

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### DISCLAIMER

This document is intended for use in determining the operational context. It is not intended for use in determining the medical context. OMEGA is not liable or responsible for any error or omission in this document. Information relating to safety and EMC is included in the Setup Guide before installing or commissioning this device, as the guide contains important instructions and recommendations. All information contained herein is subject to change without notice. OMEGA is neither responsible nor liable for any damages resulting from such changes.

### SUMMARY

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.
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 workbench without its case for safety reasons.
- Do not operate this instrument in flammable 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.
2. Remove sleeve from the case by removing thumbnails.
3. 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.
4. Slip the sleeve over the rear of the case.
5. Tighten the thumbnolds to hold the unit firmly in the 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. 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!

Plug in one of your probes and shield wiring notes.

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.

CONFIGURATION
The instrument has two different modes of operation. Run Mode: used to display Temperature and Relative Humidity.

Observations on Reading Configuration and selection of selecting types (Parameter: USER), use the following options and configure the controller.

1. Press the up or down button to access the submenus from a Top Level Menu item.
2. Press this button twice to enable Standby Mode with flashing icon.
3. Use this button to advance/next to the menu item. The user can navigate through all the top level menus by pressing this button.
4. While a parameter is being modified, press to escape without saving the parameter.
5. 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.
6. Pressing the button for approximately 3 seconds will speed up the rate at which the set point value increments.
7. In the Run Mode, pressing the button changes display from RH readings to Temperature readings.
8. Do not exceed voltage rating on the label located on the top of the instrument housing.
9. The latest complete Communication and Operational Manual as well as free Software and ActiveX Controls are available at www.omega.com/specs/iseries

SAFETY CONSIDERATION

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.omega.com/specs/iseries or on the CD-ROM enclosed with your shipment.

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!

NOTE: Mode with flashing message to confirm your selection.

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. Remove all wiring connections from the rear of the instrument, by unplugging the power and input connectors.
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