Temperature Humidity Alarm
With Logging Capability

The OM-THA2-U is a multi-function unit that monitors temperature, relative humidity and dew point. The OM-THA2-U records data and generates an alarm for any out-of-range conditions. It consists of a base unit with an easy-to-read display and a 4.6 m (15') remote sensor probe.

The alarm function monitors temperature, relative humidity and dew point once every second. If any of the readings reach an alarm threshold, the unit generates an alarm by turning on a beeper and a dry relay contact. The relay can be connected to a telephone dialer, light or bell. The delayed alarm feature can reduce false alarms by ignoring short duration alarm conditions. The unit will also generate an alarm on probe failure.

The logger function records the data into an internal non-volatile memory at a user specified interval. The recording is performed continuously after the unit is turned on. No computer set-up is necessary to start logging, and all logging settings can be viewed or changed through the front panel functions. When the internal memory becomes full the recording rolls over, overwriting the oldest recorded data. Review logged data on a computer using the included Windows software while continuously recording new data.

All the operating settings of the OM-THA2-U can be changed from the front panel without the need for a computer. The two-line display provides an easy-to-read means of viewing or changing settings.

Applications

- Supermarkets, Food Markets, Convenience Stores
- Restaurants, Florists, Greenhouses
- Laboratories, Pharmaceutical Storage Facilities
- Refrigerated Transport, Cold Chain Facilities
- Computer Rooms

Audible and Visual Alarm
Digital Display
Log Up to 170 Days of Data
Relay Contacts for Remote Alarm or Auto Dialer
Remote Sensor
USB Connection
Windows Software Included Free
Specifications

SENSOR PROBE
- Operating Temperature Range: -40 to 60°C (-40 to 140°F)
- Operating Humidity Range: 0 to 90% RH non-condensing
- Temperature Accuracy: ±1°C (±2°F)
- Temperature Resolution: 0.1°C (0.1°F)
- Humidity Accuracy: ±2% RH
- Humidity Resolution: 0.1% RH
- Calibration: User calibration for temperature and relative humidity
- Dimensions: 9.65 L x 2.79 cm dia (3.8 x 1.1”)
- Weight: 25 g (0.9 oz)
- Cable Length: 4.6 m (15’)

BASE UNIT
- Operating Temperature Range: 0 to 54°C (32 to 132°F)
- Storage Temperature: -18 to 54°C (0 to 130°F)
- Operating Humidity: 0 to 90% RH, non-condensing
- Power: 12 to 24 Vac/Vdc, 0.78W alarm active
- Battery Backup: 9V alkaline battery for 25 hrs operation during power outage

Relay: 5A/250V NO/NC dry contact, resistive load
- Dimensions: 14 L x 11.4 W x 4.1 cm dia (5.5 x 4.5 x 1.6”)
- Weight: 245 g (8.6 oz)

ALARM
- Temperature/Relative Humidity Alarm: High/low temperature and humidity alarms, condensation alarm
- Alarm Delay: Up to 2 hrs, user-selectable
- Alarm Indication: Audible/visual/relay

LOGGING
- Sample Rate: 1 sec to 30 min, user-selectable
- Data History Storage: 2 hrs to 170 days, depending on sample rate
- Memory Capacity: 8150 samples for temperature, humidity and dew point
- Software Compatibility: Windows XP/Vista/7/8/10 (32-bit and 64-bit)

OMEGACARE™ extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARE™ covers parts, labor and equivalent loaners.

To Order

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>OM-THA2-U</td>
<td>Temperature/humidity alarm</td>
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<tr>
<td>OM-THA2-U-CAL-3-HU</td>
<td>Temperature/humidity alarm with NIST calibration certificate</td>
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<tr>
<td>OM-THA2P</td>
<td>Replacement remote sensor probe</td>
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<tr>
<td>OM-THA2-ADAP</td>
<td>Replacement 115 Vac power adaptor</td>
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<tr>
<td>OM-THA2-ADAP-220V</td>
<td>Replacement 220 Vac power adaptor</td>
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</tbody>
</table>

Comes complete with user guide, Windows software on CD, USB interface cable and 115 Vac power adaptor.

Ordering Example: OM-THA2-U, temperature/humidity alarm and OCW-1 OMEGACARE™ 1-year extended warranty for OM-THA2 (adds 1 year to standard 1-year warranty).