



Humidity Alert™

Thermometer/Hygrometer Clock

P/N 4026208



Therma-Stor LLC

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Operating instructions for the Humidity Alert™ Temperature / RH Meter / Clock

General Characteristics

Displays:

1. 50% - 80% Relative Humidity
2. Days of high humidity from 0 - 199
3. Accumulated hours of high humidity from 2 – 12
4. °F or °C Setting
5. Not intended for outdoor use

6. 2 AA (1.5V) batteries
7. Operates independently from other appliances

Basic Operation

Click the “Off” button to turn the unit on and off.

To change the Time of day (am/pm), Relative Humidity (RH%) and Hours of continuous high RH, press the “Set” button and then press the “+ or –” buttons to adjust each selection accordingly.

AFTER MONITORING FOR 199 DAYS, THE METER WILL NEED TO BE RESET BY DEPRESSING THE “+” AND “-” BUTTONS AT THE SAME TIME. THIS WILL RESET THE “DAYS” AND “HOURS” DISPLAY TO 0, BUT WILL NOT CHANGE THE PREVIOUSLY SELECTED “ALERT” SETTINGS.

Removing the batteries clears all stored data and clock settings.

Default Settings

*Relative Humidity (RH%): 60%

*Temperature: °F

*Hours: 12 hours (not displayed but automatically programmed)

*Days/Hours: 0

Each function will be displayed automatically through a continuous rotation cycle. If you turn the meter off, all settings will remain in place. Alarm will not sound.

At default settings, if RH exceeds 60% for 12 continuous hours, alarm will sound for 5 seconds. This will repeat every 30 minutes until you shut off the alarm or the battery dies. The Humidity Alert™ will tally hours of RH over 60%.

For Advanced Programming

After the “%RH” and “hours” are set, the meter tracks and displays the number of days from 0 to 199, and the accumulating hours the %RH exceeded the set point.

When the RH and hours are exceeded, the alarm will sound for 5 seconds and then every 30 minutes, regardless of the current %RH. The meter continues to monitor conditions, accumulating the total hours of continuous high humidity at the set point. If the moisture level falls below the set point, the accumulation of hours stops until the %RH again exceeds the set point. Hours begin again at zero.

For example: Assume you have selected 60%RH and 12 hours for your set points. The alarm is activated after humidity exceeds 60% for 12 continuous hours. The continuous hours are tracked and displayed until the humidity falls below the alarm level (60%RH). If the RH falls below 60%, the hour count stops. If the humidity exceeds the set point again for a period of 12 continuous hours, the total hours of continuous high humidity are added to the previous 12 hours to total 24.

De-Activating the Alarm

To stop the alarm, press either the “+,- “ or “Set” buttons.

Resetting the Alarm

Depressing both the “+,-“ buttons at the same time for 5 seconds to reset the hours and days to 0. The previous settings are retained.

Adjustable Settings

The available set-points are as follows: 2-4-6-8-10-12 hours and 50%, 55%, 60%, 65%, 70%, 75%, & 80% RH.

Recommended Settings

We suggest alarming for +70%RH and 12 hours to avoid nuisance alarms. If concerned about dust mites in carpeting on concrete, we suggest 60%RH and 12 hours.

Severe Mold — RH: 70%, Duration: 12 Hours

Moderate Mold — RH: 65%, Duration: 12 Hours

Dust Mites — RH: 60%, Duration: 12 Hours

Turning the Meter Off

Pressing the “OFF” button blanks the display but the unit retains the stored information. Pressing the “OFF” button again reactivates the %RH hour timer from 0 while retaining the previous accumulated days and hours of high humidity set point information.

Disclaimer

The Humidity Alert™ is intended to provide limited information about environmental conditions. We are not responsible for any biological growth that may occur because of a malfunction or inaccuracy of the meter.



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P.O. Box 8680 Madison, WI 53708 • TOLL-FREE 1-800-533-7533

www.thermastor.com • sales@thermastor.com