



TM

Configuring Homeseer Ver 1.7 to monitor THUM readings

1. Install the THUM software and configure as desired.
2. Copy the **thum.txt** script file to the **C:\Program Files\HomeSeer\scripts** folder
3. Add two **Virtual** devices in Homeseer. In Homeseer Ver 2 add **Status Only** devices instead of Virtual devices. One is used for the temperature and the second for the humidity. To Add a new device, right click in the Device area, then left click **Add Device**. Setup the virtual devices as shown in the screen shots below.

The Device Name can be whatever you choose.

The Device Location can be whatever you choose.

The Device Type should be **Virtual** in Homeseer Ver 1.7 and **Status-Only** in Homeseer Ver 2.0.

Select House **t** and Unit **1** for temperature.

Select House **t** and Unit **2** for humidity.

Put a check mark in front of **Status Only**

Device Properties

Device Name: THUM Temperature

Device Location: Unknown

Device Type: Virtual

No logging

Hide device from views

Include in power fail recovery

Voice Command Confirm

Address

House **t** Unit **1**

* Devices over 16 are virtual

Device Type Overrides

Switch/LampLinc Status Only

Device can be dimmed

Status Response

Device Supports Status Response

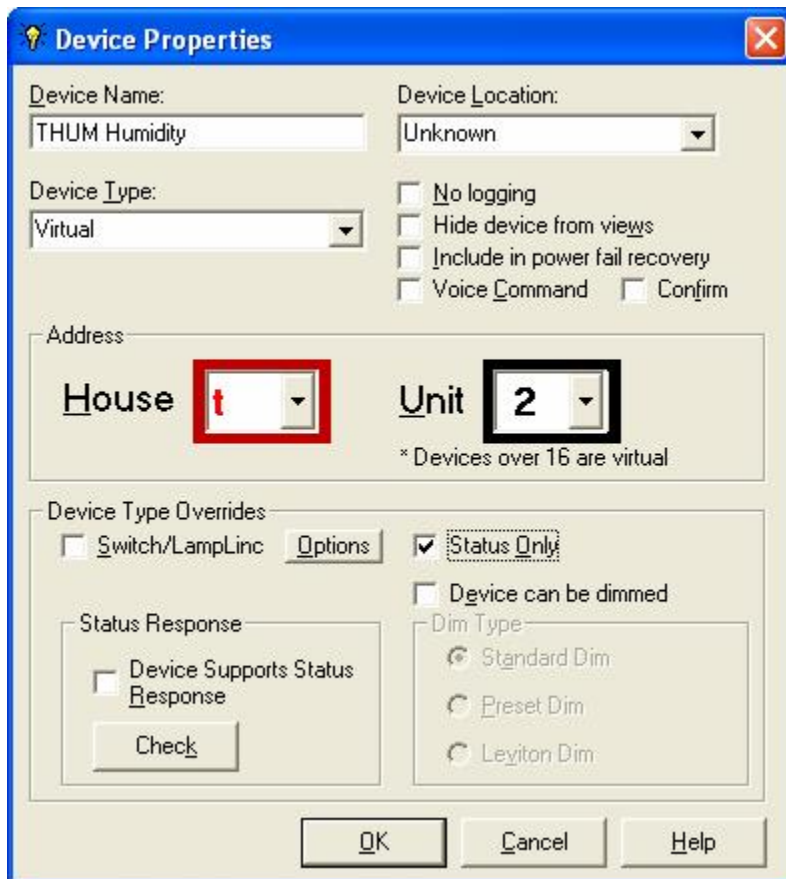
Dim Type

Standard Dim

Preset Dim

Leyton Dim

OK Cancel Help



4. Setup an Event with a recurring trigger. This event causes the script to be run which updates the temperature and humidity values in Homeseer. Setup the Event as shown in the screen shots below.
- The **Event Name** can be whatever you would like.
 - The **Type** should be **Recurring**.
 - The **Run Every** box can have any value you would like. 1 minute is a good default. This determines how often Homeseer will run the script that checks the output of the THUM software.
 - Click on the **Scripts/Speech** tab. Enter **thum.txt** in the **Scripting** box.
 - Put a check in front of **Do Not allow multiple copies of the script to run**.

Event Properties (Thum readings)

Trigger | Device Actions | App/Sound/Email | Scripts/Speech | Run Events | Dial-up Connection

Description
 Event Name:
 Type: Group:

Voice Command

 Enable:
 Confirm

Trigger continuously at the given interval
 Run every Minutes Seconds
 Reference to hour (60=On the hour)
 Only trigger once after the hour

Attributes
 Disable this trigger Delete after trigger
 Apply Conditions to trigger
 Web page guests can trigger
 Do not log this event
 Include in power fail recovery
 Cannot retrigger for seconds

Days
 Choose Days Every Day
 Mon Tue Wed Thur Fri
 Sat Sun

Event Properties (Thum readings)

Trigger | Device Actions | App/Sound/Email | Scripts/Speech | Run Events | Dial-up Connection

Scripting
 Run the following script(s) in order, or execute a single script statement (proceed with &)
 Any parameters are added with: ("function","parameter")
 ie: lights.txt("main","on")

Do not allow multiple copies of the script(s) to run

Select Script(s):

Speech
 Speak the following:

 Speak in background
 Output Device:

Run this script before speaking:

 Run this script after speaking:

\$time = current time
 \$date = current date
 \$from = last email from field

Sample Device listing showing THUM temperature and humidity devices

The screenshot shows the HomeSeer software interface. The title bar reads "HomeSeer (C:\My Documents\HomeSeer\home.xml)". The menu bar includes "File", "Edit", "View", "Tools", "Help", and "Touchpad". Below the menu bar is a toolbar with various icons. A "Locations" dropdown menu is set to "All Locations".

The main content area is divided into two sections. The top section, titled "Devices", contains a table with the following data:

Status	Location	Name	Code	Type	Last Change	Voice
OFF	Unknown	Heater	A 3	Light Switch	Today at 8:10:34 PM	
80.094 F	Unknown	THUM Temperature	t 1	Virtual	Today at 10:45:59 PM	
26.30 %	Unknown	THUM Humidity	t 2	Virtual	Today at 10:45:59 PM	

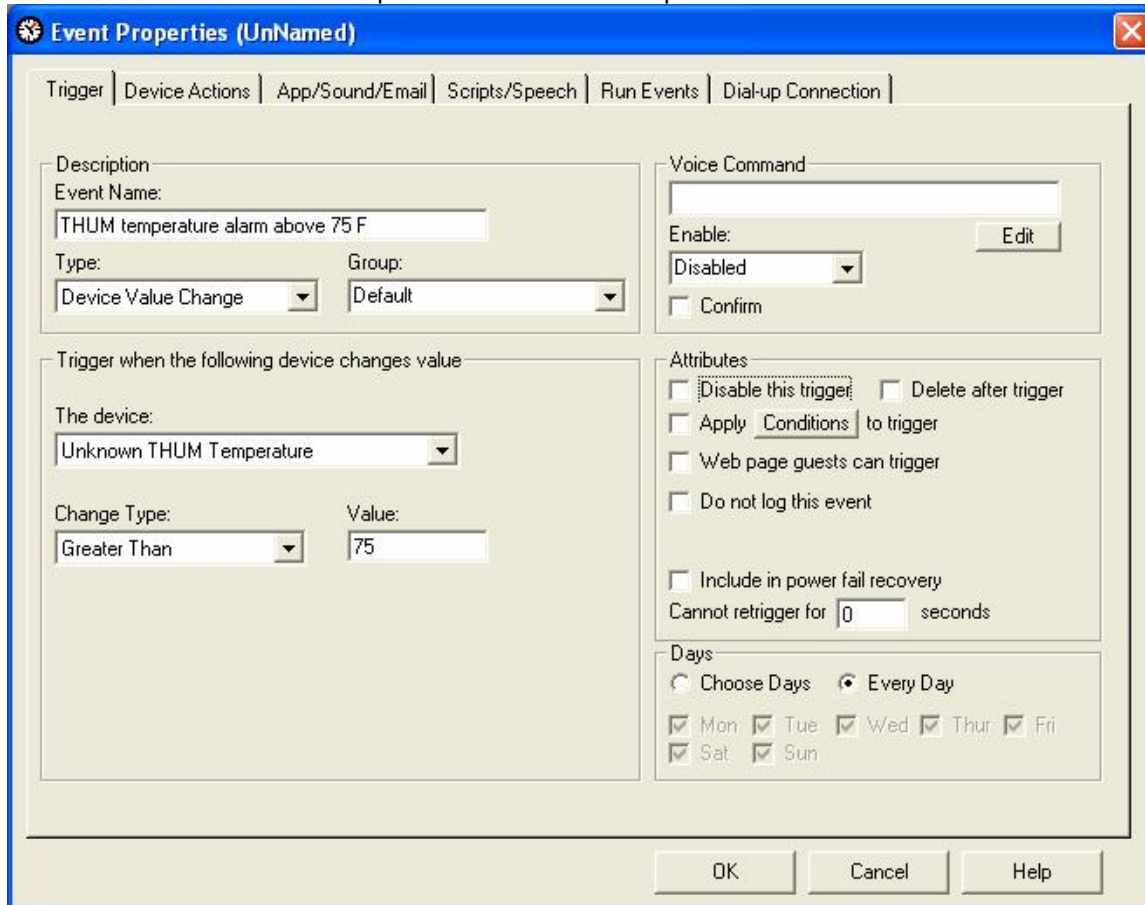
The bottom section, titled "Events for device: *Unknown Fan*", contains a table with the following headers:

Name	Trigger	Action
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The status bar at the bottom of the window displays "Not Listening (Control-L to listen)", the date "11/4/2006", and the time "10:46 PM".

Setting up Events to perform an action based on THUM temperature or humidity

The `thum.txt` script can be modified to perform actions based on the last temperature or humidity readings. Or Homeseer Events can be added to monitor the readings and take an action. The screenshot below shows a sample event to monitor temperature.



The screenshot shows the "Event Properties (UnNamed)" dialog box with the following configuration:

- Trigger:** Device Actions
- Description:** Event Name: THUM temperature alarm above 75 F; Type: Device Value Change; Group: Default
- Trigger when the following device changes value:** The device: Unknown THUM Temperature; Change Type: Greater Than; Value: 75
- Voice Command:** Empty field; Enable: Disabled; Confirm:
- Attributes:** Disable this trigger; Delete after trigger; Apply Conditions to trigger; Web page guests can trigger; Do not log this event; Include in power fail recovery; Cannot retrigger for 0 seconds
- Days:** Choose Days; Every Day; Mon; Tue; Wed; Thur; Fri; Sat; Sun

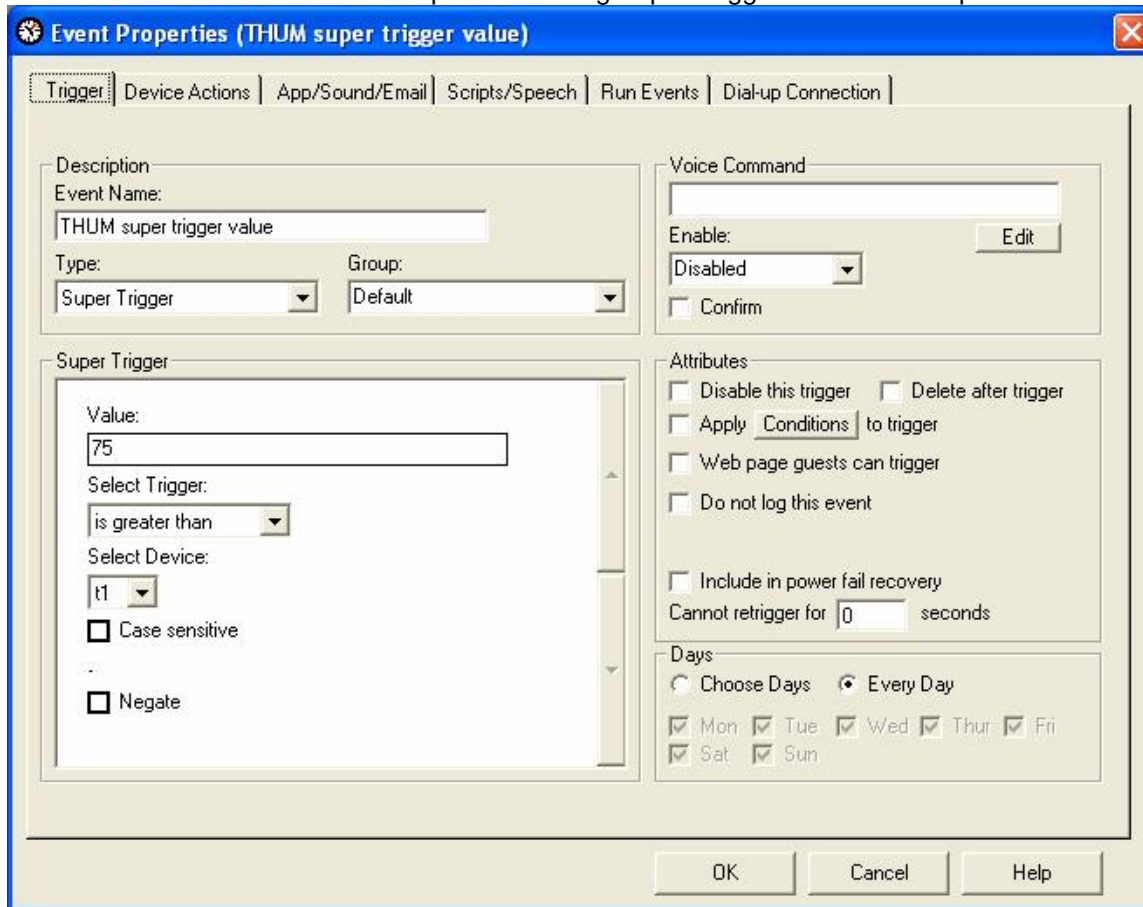
Buttons at the bottom: OK, Cancel, Help

The free Super Trigger plug-in can aid in giving more options of the trigger types you can select from. Super Trigger can be downloaded from:

<http://www.cocoontech.com/index.php?showtopic=9>

<http://board.homeseer.com/showthread.php?t=91213&highlight=super+trigger>

The screenshot below shows a sample event using Super Trigger to monitor temperature.



Support

If you are having problems with the THUM please contact Practical Design Group, LLC by going to www.practicaldesigngroup.com or sending e-mail to support@practicaldesigngroup.com