



HSM100 HomeSeer MultiSensor Release Notes

This document contains important information that is specific to the use of the HomeSeer HSM100 multi sensor with HomeSeer Software

HomeSeer version 2.2.0.30 or later is required. If a later version is not available, you will need to load 2.2.0.30 from the Beta forum on our message board at <http://forums.homeseer.com>

Installation

1. Bring the sensor close to your Z-Wave PC interface or remote control. Press the blue button on the side of the sensor to wake it up. HomeSeer cannot communicate with the sensor unless it is awake. Pressing the button wakes the sensor and it will stay awake for 10 minutes. If more time is needed, press the button again. The LED on the sensor will light when it sees motion, this will help position the sensor at the correct location
2. Add the sensor to your remote or Z-Troller just as you do any other Z-Wave device. Press the blue button on the side of the sensor when requested.
3. Copy device data to HomeSeer. If you are using the Z-Troller, connect the Z-Troller to your PC, go into the Z-Wave setup and click on the "Load Devices" button. HomeSeer will create 4 devices for the sensor. One for motion, one for temperature, one for light, and one for battery level. The sensor **MUST** be awake and communications must be working or these devices will not be created. After it creates the devices it will poll the sensor for its initial temperature, light, and battery levels. This procedure will also automatically associate the sensor with HomeSeer so all motion notifications are sent to HomeSeer.
4. The sensor only sends commands to HomeSeer when it detects motion and then again when its timeout period expires. It will **NOT** continuously send commands while there is motion in front of the sensor. This is to save battery power.
5. Click on the name of the sensor on the device status page, then click on the Configuration button to edit parameters of the sensor such as the motion delay timeout and the wake-up interval.
 - a. The motion timeout interval is the time from when the sensor stops seeing motion to when it notifies HomeSeer that there is no motion.
 - b. The Wake-Up interval is the time between reports to HomeSeer. This is how often the sensor reports its temperature, light level, and battery level. Smaller values will update faster but use more battery power. Keep this time as long as possible.
6. When the sensor is first powered on and not added to any network, its LED will flash continuously which indicates that the sensor is not included to any network.
7. When the sensor is first added to a network and not associated with any devices, it will simply send an ALL-ON/ALL-OFF command when it detects and stops detecting motion.
8. You can associate the sensor with up to 4 devices.
9. Since the sensor is a battery powered device, it will not participate in the routing of commands from other devices.

Mounting the sensor

The sensor has indentations inside the cover for mounting screws. You can mount the sensor flat on a wall or in a corner. It does not need to be tilted at an angle as the lens is set to monitor at an angle already

Creating events using the sensor

1. To have the sensor control HomeSeer devices, create an event that is triggered by Value Change, and set the device to the sensor. When the sensor changes to Motion, the event will trigger. Set the action to turn on a different device.
2. To have HomeSeer turn off a device when motion is not detected, create a new event that is triggered by Value Change and set the value to "No Motion". The sensor sends a no motion signal when it detects no motion. It sends only one "motion" signal when it detects motion.

Deleting Sensor Devices

1. If you need to delete a sensor, delete the device that displays the motion status. Deleting this device will cause HomeSeer to delete all associated devices, such as the light, temperature, and battery devices.

Setting the Motion Sensor to control Z-Wave devices directly

1. The motion sensor has the ability to control devices directly. Normally, it's easier to have HomeSeer turn devices ON and OFF. If you want to have the motion sensor control a device directly, use the Associate command under Manage on the Interfaces page in Setup.
2. Click on Setup, then Manage, then Create Associations. In the left list, select the motion sensor you want to control the device with. In the right list select the Z-Wave device you want the sensor to control. Make sure the group number is set to 1. Click the Add Association button. A message will display telling you if the command was successful or not. NOTE, the motion sensor MUST be awake. If the command fails, the sensor is most likely asleep. Press the button on the side of the sensor, the sensor will stay awake for 10 minutes. Re-try the command.
3. When the sensor detects motion, the device will now come on.
4. The association can also be accomplished with the ACT HomePro remote model ZTH100. Use the Set Associations command in setup.
5. You can associate up to 4 devices.

Using scripts with the sensor

The temperature is stored in the device's value property (for the device that represents the temperature). You can use the hs.DeviceValue function to retrieve this value. Note that you need to divide this value by 10 to get the actual temperature. For example, if the temperature was 72.7 degrees, the value would be 727. The light level is stored in the device's value property also in the range 0 to 100. Same for the battery level.

For support visit our website at:

<http://www.homeseer.com/support/index.htm>

More support is available on our message board at:

<http://forums.homeseer.com/>

Select "Updates" from the HomeSeer Help menu to download the latest version of our software and try our add-on software.

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