

Cleware sensor products with SysManSMS Server

Install Cleware USB sensors and send mobile SMS alerts if crossing values



Temperature and Humidity Devices

Preface

The primary function of the SysManSMS System is to collect and distribute alerts generated by almost any Systems Management software. Such software could be the Cleware USB sensor software for easy monitoring your environments. The SysManSMS supported sensors are connected to a PC using standard USB connection and standard Windows drivers.

Sensors are delivered with control software to setup sensor limits and generate actions if a sensor's limit settings are exceeded. As soon as an event is triggered, a SysManSMS integration client program will be executed, and text alert sent to mobile numbers stored in one of your Number Files.

The sensor control software package is able to monitor and log all the sensors at same time, as long as the sensors are connected to the same PC. Cleware software supports up to 127 sensor devices.

Important

Before installing your sensors, you should make sure you have access to a working SysManSMS Server gateway. If you are installing sensors on same hardware as SysManSMS Server is running, you can carry on with the sensor installation. If you are installing on a remote PC, you must make sure the SysManSMS *client* kit is installed on this PC. See the SysManSMS Installation Guide.

It's a good idea to create a Number File and test it with the SysManSMS_Iclient before continuing !

Cleware sensor and software installation

1. The order of installing hardware or software is not important – you may connect sensor now
2. Insert the SysManSMS CD in the CDROM drive on the PC where sensor(s) will be connected. With your File browser go to Options -> Cleware folder and start **SETUP**
3. Now continue installation up to the *Finish* point. If not already done, now connect sensor(s)

Control software

From **Start > Programs**, start the *ClewareControl* program. You will immediately after the program start see the status of a sensor. If you have multiple sensors, each will have its own color. Each sensor is manufactured with individual serial numbers.

Integration with SysManSMS Server gateway

In the control software, settings for each sensor can be added or modified. For temperature and humidity sensors, actions can be added to have your SysManSMS Server send out alerts when upper and/or lower limits are exceeded. The software is fully compatible with the SysManSMS_Iclient and its associated Number Files. To setup the Iclient integration, do the following:

- From the *ClewareControl* program's menu, select **View > Device Settings**
- In the Device Setting screen rename the sensor for easier recognition
- The switch points area is where the settings from which actions are taken and defined.
- To add a Switch point click **Add**. You can add as many switch points as necessary
- In the Switch point settings screen enter the conditions for the desired action
- Set a temperature or humidity limit
- Decide if this is the upper or lower limit
- Decide if the action should wait for the condition to constantly raise or fall
- Decide if the action should be activated if a connection to the sensor is broken
- Set Action type to **Start program**

In the Action field, type the path to the SysManSMS_Iclient program, the parameters you want to go with the alert and the name of a Iclient Number File (week_1). If Number File given, default is the SysManSMS_Iclient.lst in Iclient folder. Please refer to the SysManSMS Server User and Developers Guide for information on how to use the Iclient program and the Number File Editor. Example:

```
C:\Program Files\SysManSMS\Iclient\SysManSMS_Iclient.exe  
"Sensor: %SN% is %T% degrees. Temperature Alert" ":week_1"
```

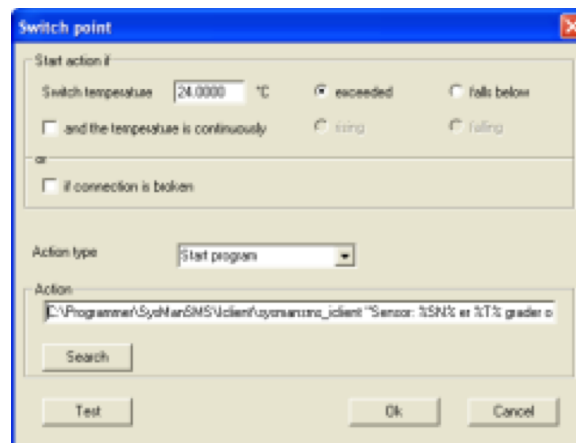
Note the apostrophes (") around the Text and Number File parameters for the Iclient.

Also note the colon (:) to indicate that this is the name of a *local* stored Number File. By use of a two colon indicator (::) you will be able to specify a Number File stored in the Servers Iclient folder.

Now click the **Test** button to verify settings. If the settings are correct, you should receive an SMS

Sensor text variables:

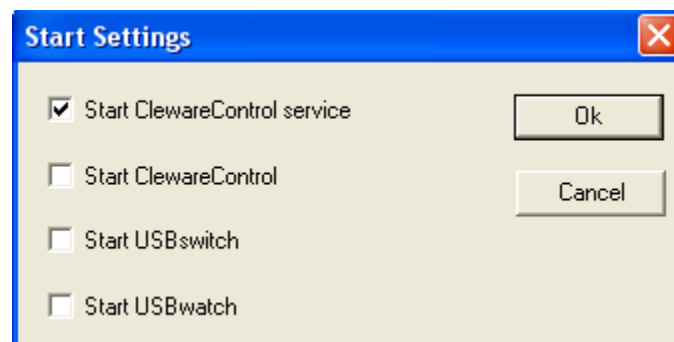
- %SN% = Sensor Name
- %T% = Temperature or Humidity
- %DT% = Date and Time
- %DA% = Date
- %TI% = Time



Run Cleware software in background

To have your Cleware sensors start at Windows startup, you will have to indicate this.

- From the *ClewareControl* program's menu, select **View > Start Settings**
- In the Start Settings dialog, enable the *Start ClewareControl Service*



IMPORTANT:

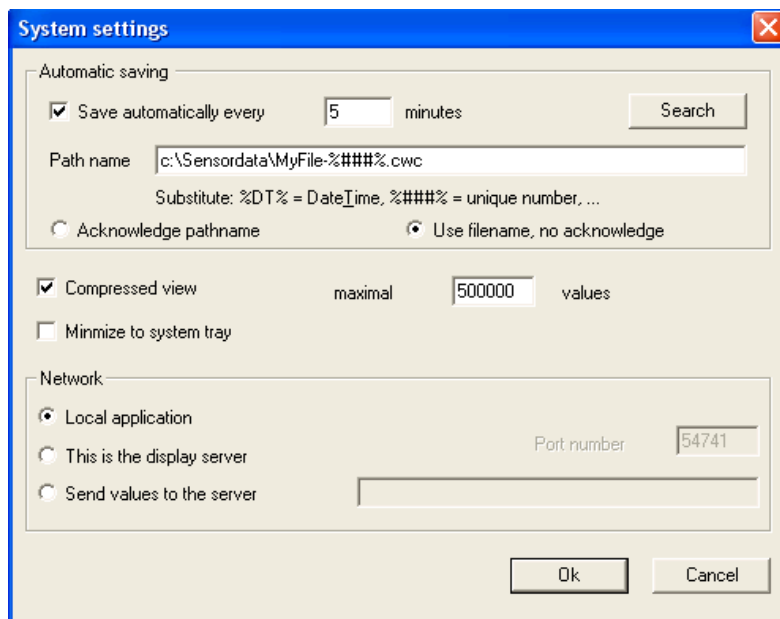
If your SysManSMS lclient is a remote installation (not located on SysManSMS Server) you must make sure that the account used by the Cleware Service has access to the SysManSMS Server.

Either use a domain account, or alternatively use an account with same Username/Password.

Save sensor data to history file

To have your Cleware sensors store data for later review, do the following:

- From the *ClewareControl* program's menu, select **View > System Settings**
- Enable the *Save automatic every* – and then enter a sample interval value
Enter a Path and file name for your history file: C:\SensorData\MyFile-#####.cwc
Note: Use %DT% or %###% as part of file name to make it a unique name
- Click the Use filename, no acknowledge; and then click **Ok** to finish definition.



To view your historical data, go to the folder you selected and double-click on your file.
Cleware Control will start a view of your saved data.

