

LogicFlow Sense Example.

LogicFlow Sense is an easy to use Windows based application for **STP Sense** logic configuration. The following example shows the setup of a temperature monitoring/alarm project to demonstrate **LogicFlow Sense** application.

STP Sense tasks in this demo:

When a user calls **STP Sense** it should reject the incoming call and send back the temperature measurement via a formatted SMS text message.

1. When the temperature is higher than a defined value the STP Sense should send a formatted alarm SMS and turn on it's built in audible alarm.
2. When the temperature is back normal, STP Sense should turn off the built in audible alarm.

How to setup STP Sense with **LogicFlow Sense**:

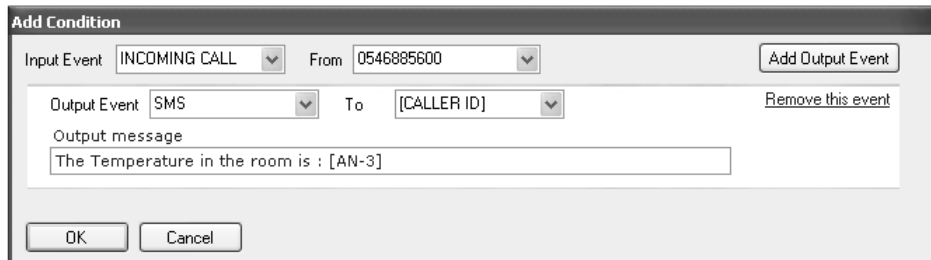
Step 1:

Click on **Add Condition** located in the main toolbar.

Step 2:

The following form will appear, choose the required input and output events.
The following are 3 logic sentences as for the STP Sense demo tasks described above.

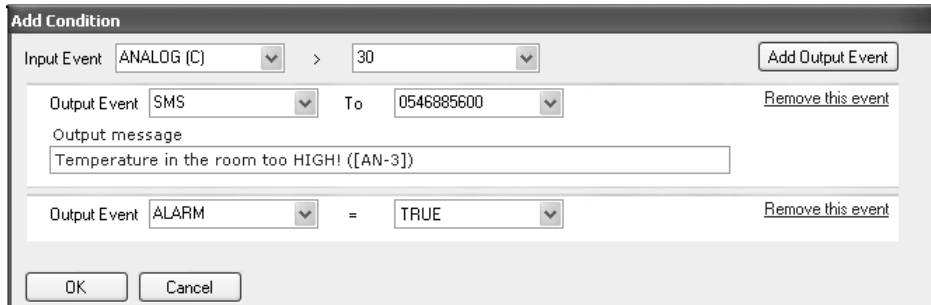
Sentence '1':



The screenshot shows the 'Add Condition' dialog box. The 'Input Event' is set to 'INCOMING CALL' and the 'From' field contains '0546885600'. The 'Output Event' is set to 'SMS' and the 'To' field contains '[CALLER ID]'. The 'Output message' field contains 'The Temperature in the room is : [AN-3]'. There are 'OK' and 'Cancel' buttons at the bottom.

*(When a user calls **STP Sense** it should reject the incoming call and send back the temperature measurement via a formatted SMS text message.)*

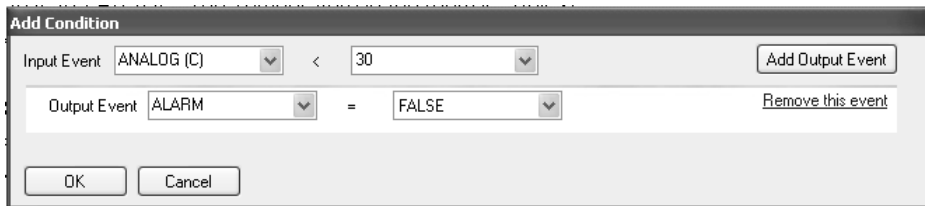
Sentence '2':



The screenshot shows the 'Add Condition' dialog box. The 'Input Event' is set to 'ANALOG (C)' and the value is '> 30'. The 'Output Event' is set to 'SMS' and the 'To' field contains '0546885600'. The 'Output message' field contains 'Temperature in the room too HIGH! ([AN-3])'. There is a second 'Output Event' set to 'ALARM' with the value '= TRUE'. There are 'OK' and 'Cancel' buttons at the bottom.

*(When the temperature is higher than a defined value - **STP Sense** should send a formatted Alarm SMS and turn on it's built in audible alarm.)*

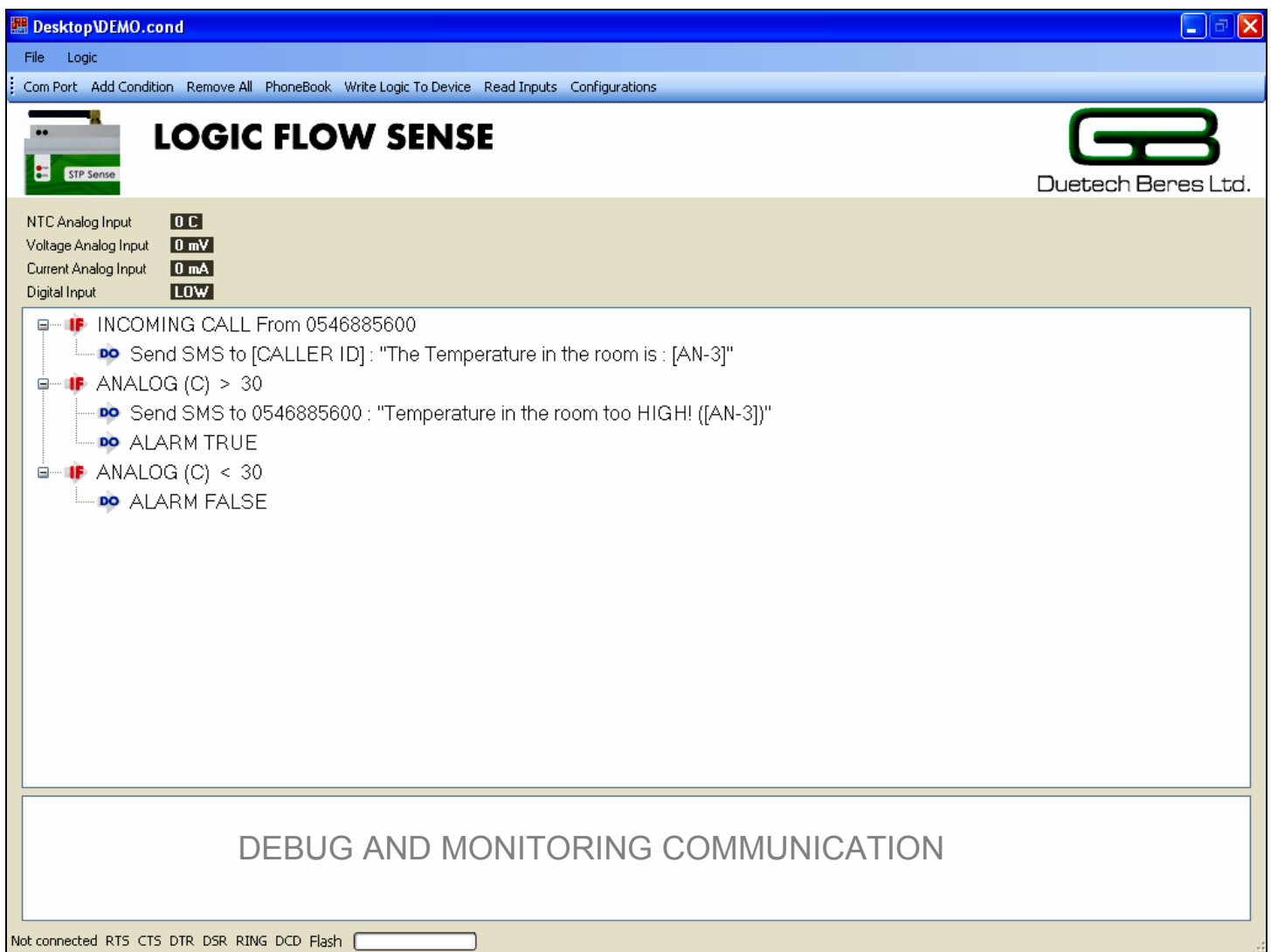
Sentence '3':



(When the temperature is back normal, STP Sense should turn off the built in audible alarm.)

Step 3:

After adding all logic conditions, the application automatically creates clear and easy to understand sentences which also can be easily edited.



Step 4:

After creating all the logic conditions, click Write Logic To Device located in the main toolbar to write to STP Sense non-volatile program memory and execute tasks.

That's all, your hardware is ready to do the required logic.

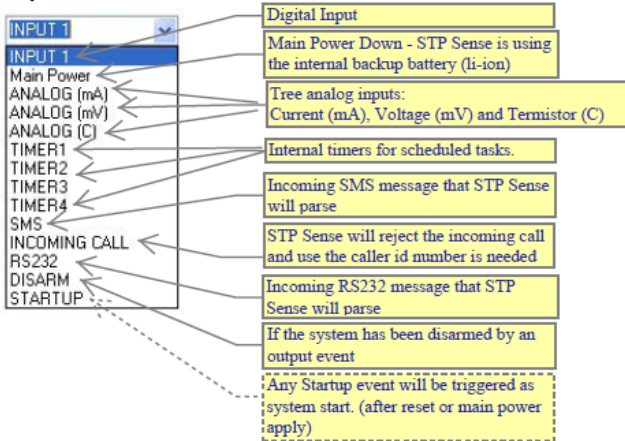
Appendix A.

Other logic functions for STP Sense.

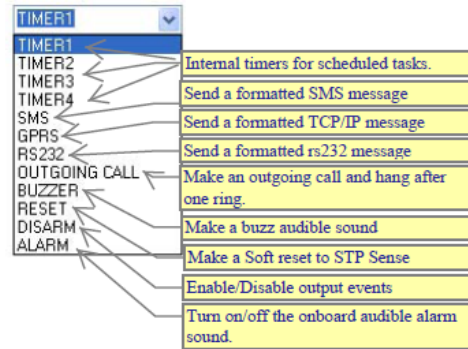
As **LogicFlow Sense** has many other logic functions in addition to the above example, here is a brief view of all possible input/output events:

Available events for LogicFlow Sense:

Input Events:



Output Events:



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