Ekoheat SMS module.

Placement:
When you place the SMS module, is it important that you think about the location. In the SMS module is built in a mobile phone, which must be connected to the network. Therefore, you must attach the SMS module with the SIM card in, where there is as good a telephoto coverage as possible.
Heating, water and electronics are working poorly together, so be aware to mounts the SMS module where the temperature is not too high, and that the by accidents, cannot get water into the electronics.

SIM card:
The SMS module needs a SIM card to work. The card must be purchased separately from a service provider. Be aware that the telecommunications card must be open. Take the SIM card, mount the card in a Mobile phone, deactivate the PIN code, after which the card can be installed in SMS module.

Before installation:
Before you start connecting cables, it is important to always turn the power off, so you do not run the risk of electric shock, short-circuit etc. After all cables are connected properly, remove the little piece of plastic, at the battery contained inside the module, in order to achieve connection to the battery, and then the power can be switched on.

Cables and connections:
To the Ekoheat SMS module is included a HE14-RJ45 cable. It must be used between the controller and SMS module. The RJ45 end is mounted in the module, in the connector that is located closest to the little warning light, that can be seen on the outside of the module. (The other connector on the module is for testing purposes).
The other end of the cable must be connected to Ekoheat controller. The connector is mounted on the back of the PCB, next to the USB update connector.

Settings in boiler controller:
After connecting all the cables must it be activated in the boiler controller.
You must enter the control tab "Service settings" – "Extra equipment" – "Communicationbox".
Press on "NO", then it will change to "YES".

Pairing Mobile phone & SMS module:
When all cables are connected, the SIM card installed and PIN code disconnected, is the first you have to do, too pair your Mobile phone with Ekoheat SMS Module.
You must send an SMS with the text **INIT** to the phone number you entered in SMS module. Do you use APP, you must enter the tab numbers where you are asked to enter the number of SMS Module (remember country code +??)

Managing SMS Module:
When you manage the Ekoheat SMS Module, it can be done either with SMS or APP.
The link to the APP you will find on google play.
If you choose SMS communication, you can use both uppercase and lowercase letters.
Since everything is controlled with SMS, there may be some response time.

SMS Commands:

INIT	Initializes SMS module. This must be done when the module has been reset.
ADD	Adding a phone number that can use the module. There may be 4 users. When numbers are entered remember country code.
DEL	Removing the user from the phone list. Remember country code.
LIST	Lists the phone numbers set up in the phone list
STATUS	Sending the operating status of the boiler
START	Starts the boiler
STOP	Stops the boiler
HELP	Sends a list of all available commands in SMS module
RESET	Restoring all data can only be done in the SMS module. Next to the battery is a small push button that if pressed for 5 sec. then all data is deleted. The module is now ready to be initialized again.

Messages from SMS module:

In the event of a malfunction, the SMS module automatically sends an SMS to the numbers registered on the phone list. All messages in the SMS module is in the language selected in the control.

LED indicator on the sms Module:

Steady Green:	All ok.
Slow flashing green:	Initializes system.
Fast flashing green:	Bad connection to the grid.
Fast flashing red / green:	No initialized data received.
Flashing red slowly:	No SIM card.
Flashes rapid red:	No connection to the grid.
Steady red:	Modem does not respond.