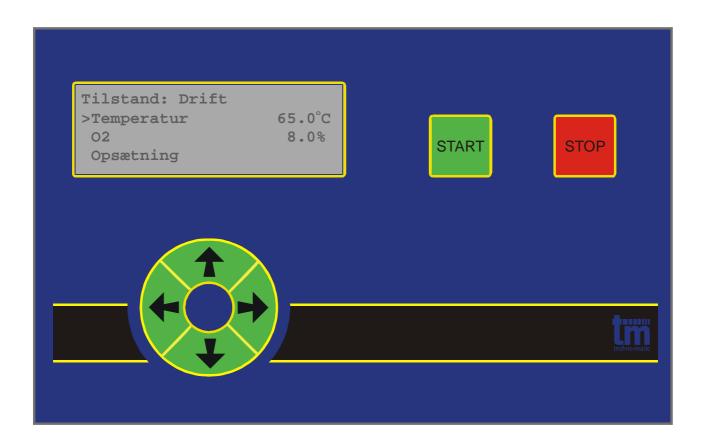
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TM3007 SMS manual

Revision: 0.03.00

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Push right

arrow for menu

1 MENUSTRUCTURE.

Mode: Running 45%
?Temperature 70.0°C
O2 9.0%
Exhaust Temp. 180°C
Photo level 354
Actual Pulse 4.10s
Actual Pause 25.9s
O2 wanted 8.5%
Settings

Settings Menu
?Status
Ignition
START
Normal Running
Pause or Buffertank
Other

Start Setting
?Stoker Pulse 5.0 s
Stoker Pause 30 s

Running Setting ?Stoker Pulse 6.0 s Stoker Pause 30 s 120 % Stoker 2 Cleaning time 8 t Cleaning act 35 s Clean.niveau 100 % Pause under 25 % Time under 5 m

Pause Setting
Restart 40 %
Firew.Restart 80 %
Stoker Pulse 5.0 s
STOKER PAUSE 250 S
After-run 25 s

Other menu ?Chalk 3% Ash 4% Motor 2 Pulse 5s Motor 2 Pause 300s Refill time 5ຮ Start refill No Manual time 0m Start stoker No MANUAL TIME 0M Profile Other YES Manager

Running temp. 75°C
Min temp. 35°C
Time u. min. 15m

Oxygen Settings
Poxygen Control YES
O2 100% run. 7.5%
Max O2 18%
Time U.min 5m
Calibrate Oxygen NO

Exhausttemp Settings ?Min exhaustt. 10°C Time u. min. 5m Exhaustt.Max 142°C

Photo Settings ?Min. level 245 Time u. min. 5m

Fuel used 247kg
Trip 34 m
Total time 4D 00h
M.Weight 3.07kg
M.Time 4 m

Ignition Setting

Fire at O2 15 %
Or

Fire at E.T. 15°C

E.T. Disparity 5°C
Or

PHOTO SENSOR 100

STOKER PULSE 10S

Buffer tank menu
Act.Top 75°C
Min.Top 60°C
Act.Bottom 35°C
Max.Bottom 55°C

SMS Menu
User Code ****
TX OK 0
RX OK 0
TX Error 0
RX Error 0
TX Overflow 0
SIM PIN Code ****

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TM3007 SMS MANUAL

2 SMS MENU

The SMS menu is normally invisible, but will automatically be displayed if the menu point "Manager = YES" in the menu "Other" is changed to "Manager = NO". This also means, the COM-Port can be used, either for the TM BIO-Manager or for sending/receiving SMS-messages.

When "NO" is accepted by pressing the right arrow, the controller will restart and the SMS menu will be visible.

In the first line will be displayed SMS Menu as long as a modem is not connected, or the controller and modem cannot reach each other. When connection is made, the name of the GSM network will be displayed instead of "SMS Menu" e.g. "Vodafone". When the name is displayed the SMS feature is ready for use from any telephone that is able to send and receive SMS.

The first you need to do is to register the number of the telephone you want shall receive the error messages. See the chapter 3 "SMS FORMAT"

Sending commands to the controller can be done from any mobile phone; just the right **User Code** is used.

- **User Code.** * Notice! * Choose the code you want to use for all messages send to the controller. (Security for recognizing you from other SMS messages).
- TX OK. All SMS messages send from the controller is registered here.
- RX OK. All SMS messages received and recognized by the controller are summed up here.
- **TX Error.** Possible SMS messages the controller doesn't manage to send are summed up here. (GSM network is overloaded)
- RX Error. All SMS messages received but not recognized by the controller are summed up here.
- TX Overflow. If several errors is
- **SIM PIN Code.** If there's a PIN-code on the SIM card placed in the modem, connected to the controller, the code is entered here. If there is no code on the card it doesn't matter which code is here.

* Notice! * From program version 3.00 and to version 3.40 the user code have to be 0000

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TM3007 SMS MANUAL

3 SMS FORMAT

A SMS message to TM3007 (TM3002) contains 3 (or 2) words/numbers: A user code, a commando and a value, separated by a **space**.

Example: You will register your mobile phone to be used for sending and receiving messages. You do this by sending a SMS-message with the following content: 0000 tel1 12345678

Here the "0000" is the user code, "tel1" is the command, and "1234567890" is the number of the telephone you want registered. Not necessarily your own number, but maybe a number to another person who are in charge to take care of the boilers maintain.

Another example: You want to see the controller's actual status. Send a message with the following content: 0000 status

Here are only 2 words/numbers. The user code "0000" and the Command "status"

Entry requirement	Command	Parameter
User Code	STATUS	-none-
User Code	START	-none-
User Code	STOP	-none-
User Code	TEL1	Telephone number ? OFF
User Code	TEL2	Telephone number ? OFF
User Code	OUT1	ON ? OFF
User Code	OUT2	ON ? OFF
User Code	OUT3	ON ? OFF
User Code	TEMP	35 to 85 ?

- Status Send returns a SMS with state, output %, boiler temperature and oxygen %
- **Start.** Starts the controller (The heating system)
- **Stop.** Stops the controller (The heating system)
- **TEL1.** Registration of telephone no. 1: "Code + tel1 + telephone number" will place this number as number 1. If "Code + tel1 + ?" is send, the controller will answer with the telephone number which is registrated as no. 1. If the message: "Code + tel1 + OFF" is send, the number former registered as Tel1 is unregistered (Deleted).
- **TEL2.** Registration of telephone no. 2: "Code + tel2 + telephone number" will place this number as number 2. If "Code + tel2 + ?" is send, the controller will answer with the telephone number which is registrated as no. 2. If the message: "Code + tel2 + OFF" is send, the number former registered as Tel2 is unregistered (Deleted).
- **OUT1.** The outputs can be named "SMSOUT1", "SMSOUT2" and "SMSOUT3". A SMS with the message: "Code + OUT1 + ON Will turn the current output on. A SMS with the message: "Code + OUT1 + OFF Will turn the current output off. A SMS send to the controller with the message: "Code + OUT1 +? Will return a message with either ON or OFF depending on the output's actually state.
- OUT2. As the above in "OUT1
- OUT3. As the above in "OUT1
- **TEMP.** It is possible to change the set temperature by an SMS. It is done by sending the message: "Code + temp + xx" where xx is a number between 35 and 85, which compares to 35 85 °C. When the message "Code + temp + ?" will the controller answer with a SMS showing the set temperature.

Generally, the controller will always answer back when you send it a SMS. As an example; when you register a phone number on tel1, the controller will answer back with "Alert # 1 = Tel. No" (The number you entered) If a SMS message does not contain the standard format, the text message will be passed on to telephone 1 If this is possible.

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