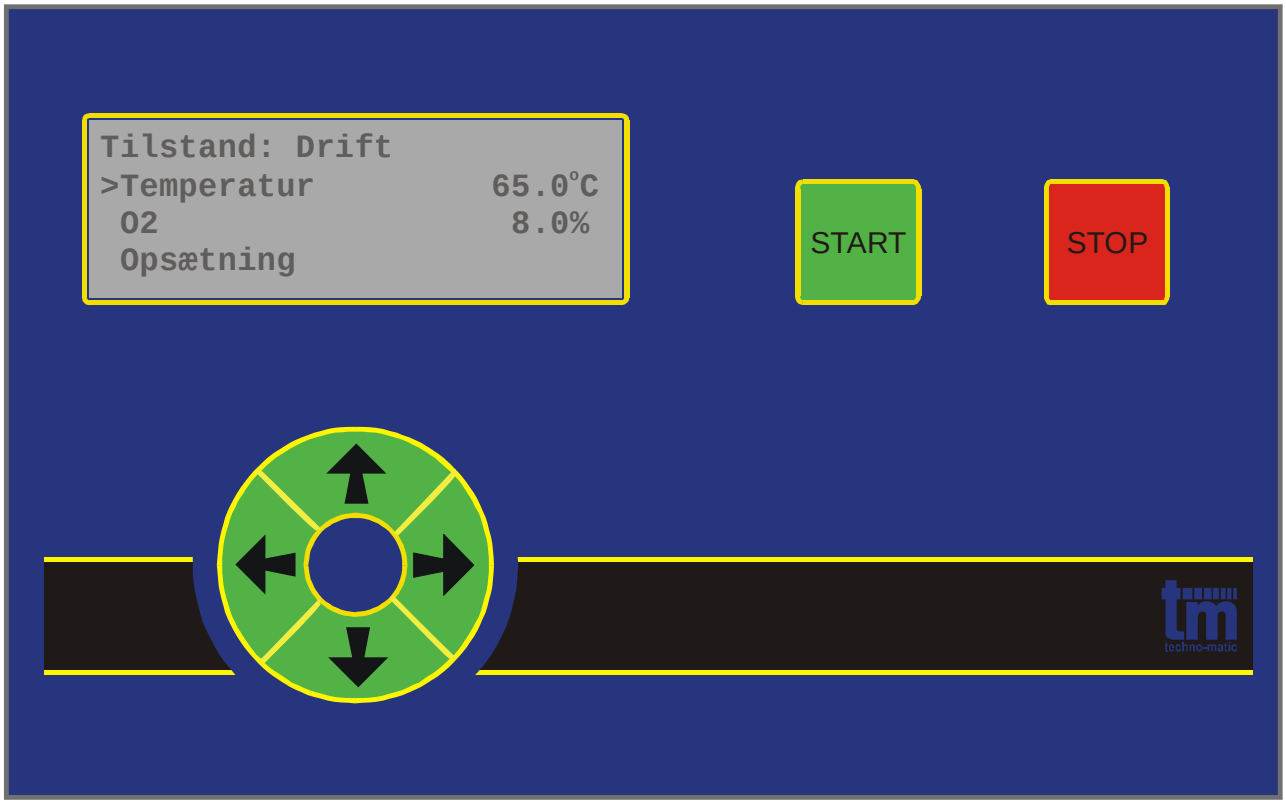
Techno-Matic A/S
Granlidevej 22, Hornum
DK-9600 Aars
Denmark

Tel: +45 96987711
Fax: +45 98661822

tm@techno-matic.dk
www.techno-matic.dk

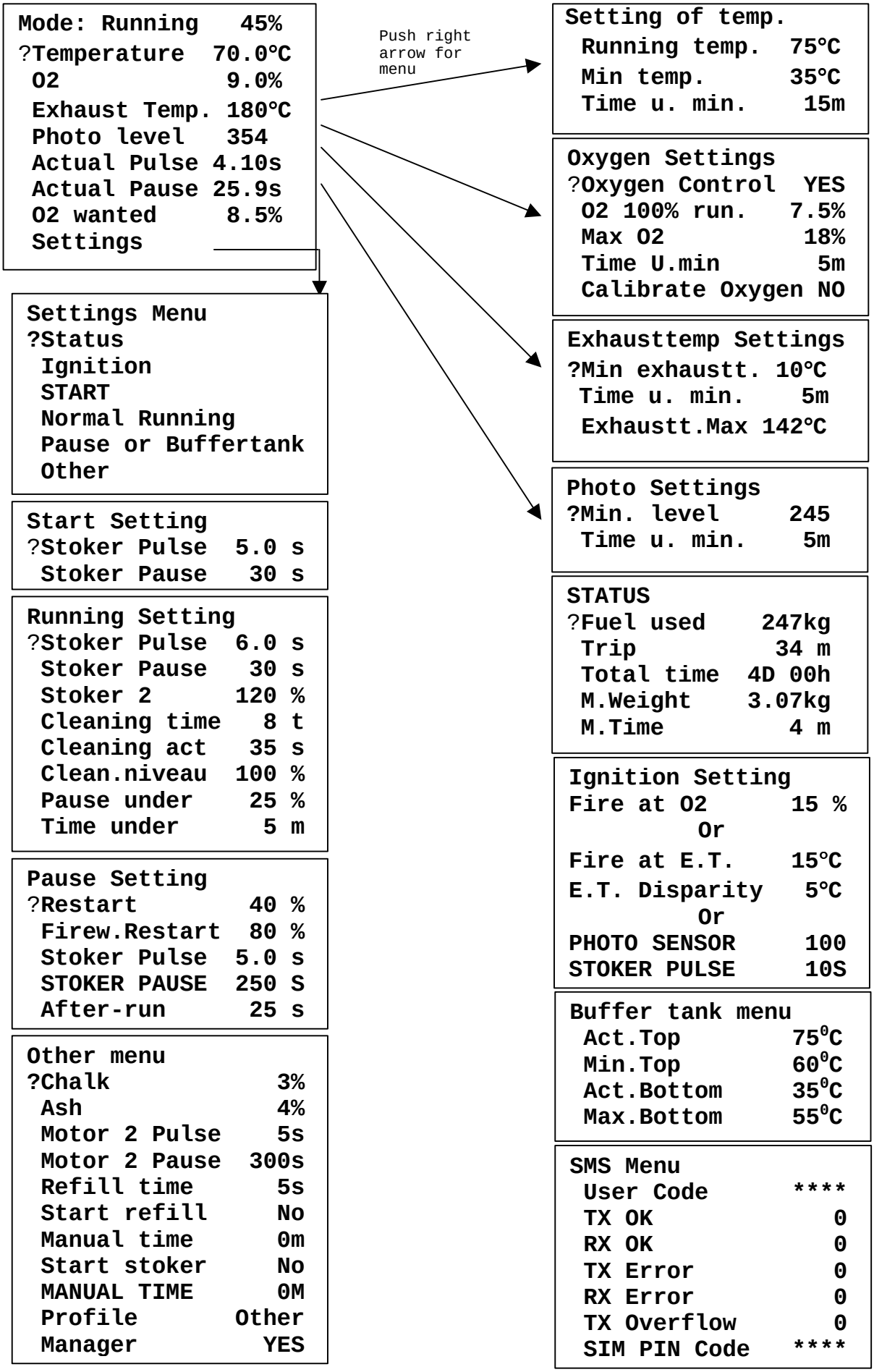


TM3007 SMS manual

Revision: 0.03.00

TABLE OF CONTENT

1 MENUSTRUCTURE.



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**

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 ^{o}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.