

CS-65 GSM modul

User manual

GSM modul is a device cooperating with the controllers of OPOP company, allowing to remotely control the condition of the boiler operation with the use of a cell phone. User is notified with an sms message on every boiler control unit alarm.

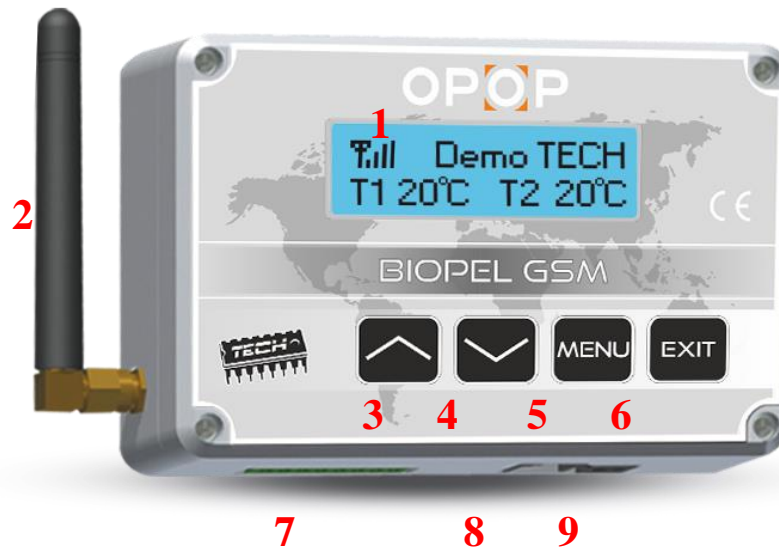
Additionally, by sending an appropriate sms message at any time, user receives a return message with the information of the current temperature of all sensors.

An addition advantage of this device is the possibility to change the set temperature of any circulation by means of a mobile phone.

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1 DESCRIPTION

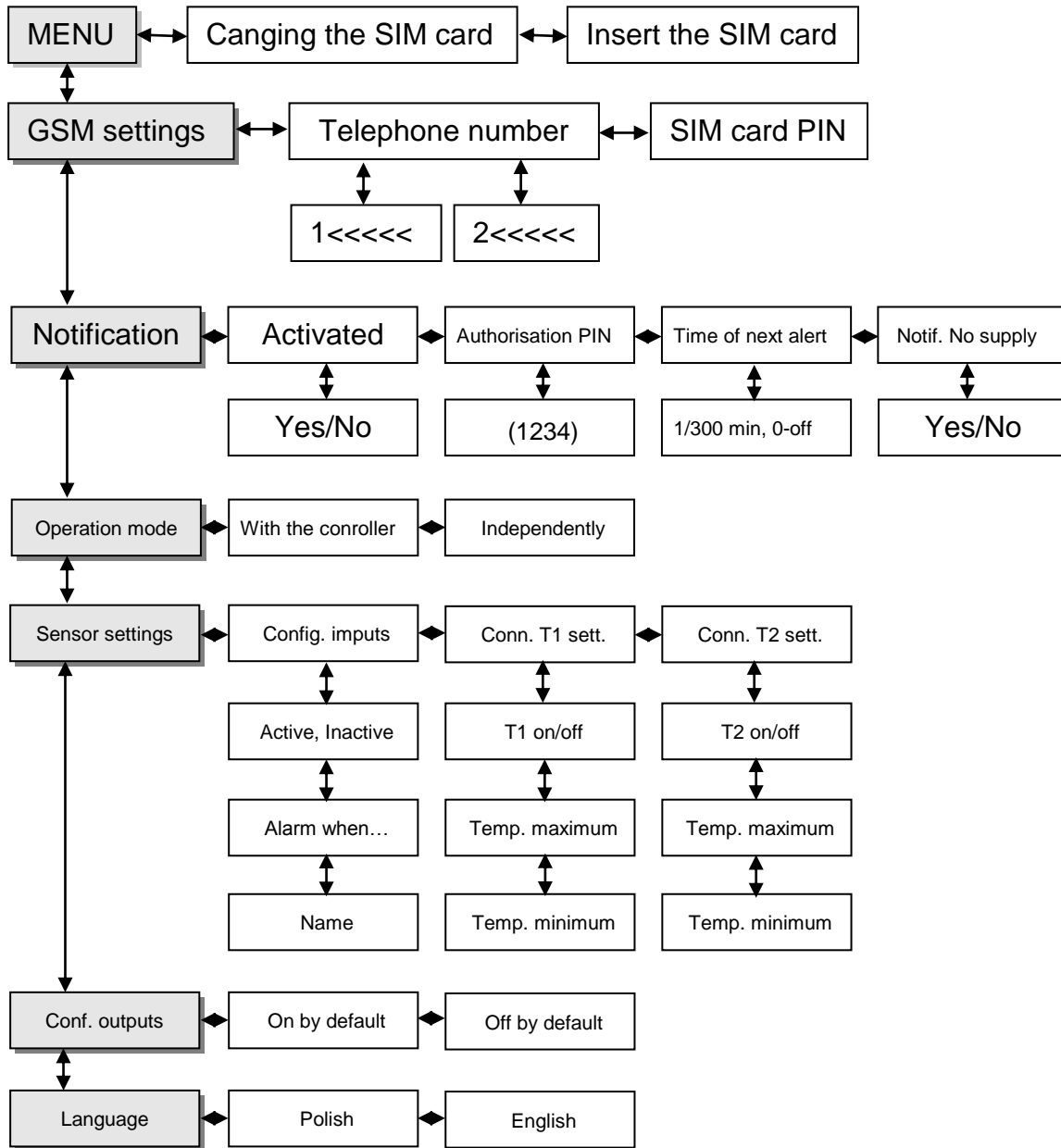


1. Menu screen
2. Antenna GSM
3. PLUS fitting
4. MINUS fitting
5. Entering the MENU, confirming the settings
6. EXIT, cancelling the settings
7. Voltage output, Input contact connectors, Two sensor connectors
8. Plug for communication with Control unit v8
9. Power supply 9V/DC

During the installation and operation of GSM modul, the following safety principles must be observed:

1. All installation works should be performed after disconnecting voltage.
2. Before activating the modul, it should be checked whether, in the vicinity, there is no device susceptible to GSM network radio frequency signals such as e.g. electronic medical apparatus.
3. It is required to strictly observe the prohibitions concerning mounting the module in areas labelled with a ban on using devices emitting radio waves.
4. Modul can influence heart simulators, so it is advisable that the distance between the working module and the heart simulator was over 20 cm.

2 MENU DESCRIPTION



You can find detailed menu description below, when you go through this user manual. Read all instruction below to successfully activate GSM modul and use it without any problems.

3 SIM CARD

GSM modul will not operate without a correctly inserted and configured SIM card. In the case when the module detects no sim card, it will switch to standby mode, waiting for a card to be inserted. The SIM card may be inserted ONLY at the time when the controler screen displays the text:

Insert a card - *Press the button*

In the case of changing the sim card during module operation, use the option in the module menu:

Change the sim card

After selecting this option, module will switch to standby mode, waiting for the card to be changed, wait for a message (as above). To insert the card, unscrew four fixing screws and open the casing.

After inserting the sim card, press any button, the module will activate and initiate a new card. If the new card requires entering the pin code, you will be asked to enter the code. The module will remember the code and in the case of restarting, it will use the pin saved in the memory.

Sim card pin can be set in the menu:

GSM settings - *Sim card pin*

The sim card is not masked in the module menu, in the event of using the card for a different purpose, pin code should be changed to a new one!

Replacement of the sim card in a different manner may result in damaging the module!

4 COLLECTING DATA FROM THE CONTROLLER

Modul has to be connected to RS output which is located on the Connection board of Biopel boiler. After connecting the modul by communication cable you have to activate it in controller installer menu.

Go to the menu of control unit v8, select Plumber settings, GSM module and than Activated.

After correct connection with controller a valid parameters are received. These parameters may be sent back by the module, upon request, in the form of an sms message to the user. The sms is sent to any authorised phone number.

After sending the authorisation pin to the module phone number, data with controller working parameters will be sent back.

The quantity and type of sent data depend on settings and operation mode of the controller. Particular parameters are displayed in a new line, the phrases are separated with spaces (the ordinal number is always separated by space from the set one).

To change the setting of boiler temperatures using a mobile phone, send an sms message to the module phone number with the following content:

Pin authorisation	space	no.	Space	value	;
(9999)		1		65	;
(7645)		2		60	;

Namely: 9999 1 65; 2 60;

This command (if authorisation pin is set to 9999) will change the set CH temperature to 65°C and set HWT to 60°C.

5 DATA COLLECTION AND SETTINGS

5.1 Pin authorisation

User can at any time change the authorisation pin by sending an sms message to the module phone number in the format:

```
Current pin authorisation      space pin      space new pin authorisation
1234                          pin           9999
```

Namely: 1234 pin 9999

A message of this type will change the module authorisation pin from 1234 to 9999 and will send the return sms with the current working parameters of the boiler.

The authorisation pin is intended for changing settings and working modes of the module. It is not recommended to disclose it to third persons.

5.2 Activation / deactivation of alert notices

User can, at any time, activate or deactivate sending of alert information from module by sending to the module phone number a message in the format below:

```
Current pin authorisation      space command
1234                          off
```

Namely: 1234 off

A message of this type will deactivate sending alert messages from the module. Sending messages in this format is equivalent to switching the option in the module menu:

Notification – *Activated* – *No*

Or you can activate alert messages by sending an sms message to module phone number:

```
Current pin authorisation      space command
1234                          on
```

Namely: 1234 on

A message of this type will activate sending of alert messages from the module. Sending messages in this format is equivalent to switching the option in the module menu:

Notification – *Activated* – *Yes*

If notification is activated, the user should set the frequency of cyclical receipt of sms messages with current parameters of sensors after the alarm occurrence:

Notification – *Time of next alarm* – *0 – 300 min*

In the case of selecting 0 value, the alarm cyclical reminder function shall be inactive.

5.3 Operation mode

User has the possibility of selecting the type of incoming information messages. In the menu:

Operation mode

After selecting the option:

Independently

Incomming sms information messages will contain only the data from active contact and temperature sensors.

After selecting the option:

With the controller

Incomming sms information messages will contain data both from the boiler controller and from active contact and temperature sensors.

6 TECHNICAL DATA

Power supply 9V / DC

Power consumption 2W

Ambient temperature 5 – 50°C

Scope of alert temperature settings -10 to 85°C

Messurement error 1°C

Communication cable lenght 2m

Modul is equipped with a Li-ion battery. It is accepted to replace the battery only with the one which meets the below specification. Incorrect inserting of the battery can cause damage to the battery or device.

Type: 1044

Capacity: 600MAh

Voltage: 3.7V

Built in PCB protection against excessive discharging, overcharging or short circuit.

Dimensions: diameter 10.04mm, lenght 46.75mm

During replacement pay spacial attention to polarisation.

Battery should be used only in accordance with its intended use.

Never use a battery which is damaged or waste.

Short circuit of the poles is not accepted. This can take place accidentally. Clamp short circuit can cause damage to the battery or to the device connected to it.

7 WARRANTY CONDITIONS

GSM modul CS-65 for Biopel control unit v8

Manufacturer: OPOP spol. s r.o., Valašské Meziříčí, Czech republic

Tel.: 00420 571 675 589, **fax.:** 00420 571 611 225

Warranty conditions:

This warranty certificate includes a certificate of quality and completeness. The manufacturer certifies that the product is inspected and meets its design specifications and EN 303-5. For quality, function and we guarantee the boiler for 24 months from the date of sale to the consumer, no longer than 30 months after expedition from the factory and in a way that demonstrably result of defects due to faulty materials, faulty design, faulty design or removed as soon as at our expense, provided that the boiler:

- it is in normal condition according to the Instruction manual
- is connected to a chimney according to CSN 73 4201:1989
- is not damaged mechanically (no unauthorized interference with the exception of interference allowed in the instructions)
- chimney draught must match the value listed in the table. 2, according to the type of boiler
- consumer complaints submitted with the application of this warranty certificate duly completed
- complying with the manufacturer's instructions for the use of pressure expansion vessels

Note:

When a fault is always necessary to submit the warranty certificate, give the exact address and the circumstances under which the defect occurred. The manner and place of repair will be decided in our company.

Date and stamp of manufacturer: _____

Date of sale: _____

OPOP, spol. s r. o.

Zašovská 750

757 01 Valašské Meziříčí

Bank details:

Komerční banka a.s., account no.:1608851/0100

Reg. no.: 47674105, VAT no.: CZ 47674105

Phone: Sales Dept: 571 675 589, Secretariat: 571 611 250, Production: 571 675 405

Sourcing: 571 675 114, Finance: 571 675 472

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