PT30 GST

IMPORTANT INFORMATION ON CORRECT UTILIZATION

FOLLOWING PROCEDURE HAS TO BE OBSERVED:

1, **Installation and adjustment of PT30 thermostat according to enclosed operating instructions.**

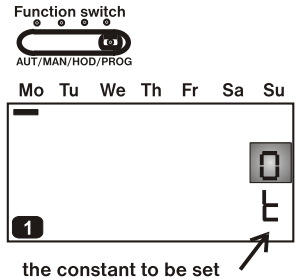2, Setting up thermostat with new data:

PHONE NUMBER TO WITH RETURN MESSAGES SHOULD BE SEND FROM PT30GST
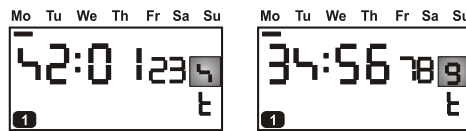
Function

t

Move a function switch to a position **PROG**. Keep pressing button " **K** " until symbol **FCE** will appear on the LCD **(manual PT30 page 3)**.   By pressing button " **i** " you will get to a function **" t "**. Enter a mobile phone number where you want massages, with the thermostat data, to be sent.
Enter first number and press button " **i** ". This way you continue to enter all numbers (420123456789).
It is possible to check the number and correct any mistakes by pressing button " **-Hod+** " After entering the correct number press button " **i** ". You will automatically get to a PIN code setting " **Pin** ".
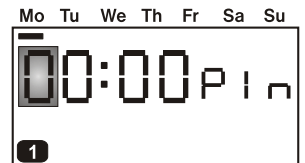
Example of setting up a number 420123456789.

ENTERING PIN CODE OF A CARD INSERTED INTO MODUL GST1 WHICH WILL BE CONNECTED TO PT30

Function

PIn

Thanks to this function you needn't remember PIN code of a phone card inserted into the module which you connect to a thermostat. After entering PIN code (according to steps written bellow) into a thermostat, connect module which you will latter plug into the mains. The PIN cod will be automatically entered from the thermostat into the module within approximately 3 min. Module will be activated (to speed up the activation use button **TEST** on the thermostat).
After entering phone number (function " **t** ") and pressing button " **i** " , you will automatically go to function for setting the **PIn** code.
Enter the first number and press button " **i** "', you repeat this step until the last number is entered. **The code has to correspond with the card code inserted in to the module with is connected to a thermostat!!!!**

If the PIN code entered doesn't correspond with the card in code in module the display will stat flashing with error symbol **(Err: P)** within 3 minutes. You will have to disconnect module from thermostat and **RESET** the thermostat (see instruction manual PT30, page 7). You will need to repeat steps for setting up PIN code and then connect the module to the thermostat using the supply transformer with is plugged into the mains 230V/50Hz.

3, Insert the activated SIM card into the module GST1. SIM card holder can be found after opening the case. It is situated in the back part of a module.

4, **Connect the thermostat whit the module GST using the connectors (included).**
Then connect the module using the feed source to the supply transformer 230V/50Hz!

5, To test if the connection has been done successfully press button **'Test'** the following symbols will appear on the display:
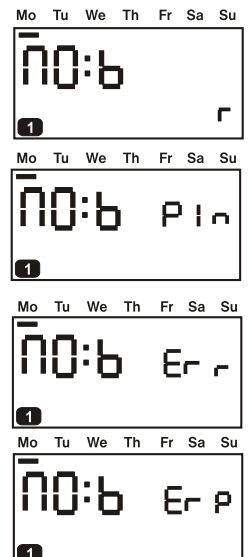
MO:b Indicates correct connection to the module GST1.

MO:b PIn Indicates correct connection to the module GST1 and correct setting of the PIn code.

ERROR SYMBOLS:

MO:b Err The module is not connected (If the module isn't connected for a long time the display of a thermostat will start flashing with **Er:rM**).

MO:b ErP Indicates correct connection to a nodule but incorrect setting of a PIN code! It is necessary to disconnect the module and RESET the thermostat and set the PIN code correctly!

MESSAGES FROM YOUR MOBILE PHONE:

Format of the message must be the same as given in the table , <u>e.g. the first letter is capital, the rest is small.</u>

Info	information on the condition of heating system
Off	switching off of the heating system (use SMS "Teplota xx" to cancel this function)
Teplota xx	change in required temperature (only integer numbers may be entered and within the range of admissible maximal and minimal temperatures)
Zavolej	back call

xx = temperature given in °C (double-figure, for example: 05)

When the GO card is used, it is necessary to make a paid call once a three months.

A, this call is made automatically (once 80 days in the period from 16 to 21 o'clock, again to the first number entered in telephone directory (after 20s, the call is terminated automatically).
B, by means of "Zavolej (Call)" you can do it sooner.

Any type of mobile phone can be used for the sending and receiving of return messages! If letter size (format) may be adjusted in the phone, always use MEDIUM size for messages.

REQUIREMENT

RESPONSE

(during 3 minutes)

GST1

RETURN MESSAGES FROM PT30 GST (during 3 minutes):

Zadana: xx.x	temperature entered by user
Akt: xx.x	current temperature in the room
Zapnuto	boiler heats
Vypnuto	boiler does not heat
AUTO	the thermostat is in AUTO mode (position of switch)
MANU	the thermostat is in MAN mode (position of switch)
Sig: x	Gives power of signal in place where PT30GST has been installed and where x are data between 0 and 5 0 .. is not possible to recognise any signal 1 .. the worst signal level 5 .. the best signal level
Cid2: xx.x	current temperature of external sensor,if is connected (function Floor-heating, pageno.8, PT30 instruction)
Baterie!	indicates low battery in the thermostat
Noakcept!	incorrect SMS, incorrect type of mobile phone

xx.x = temperature given in°C

Note: If the min/max temperature in a room is exceeded (entered date 1 and 2, see manual PT30, page 3) a "WARNING" sms messages will be automatically send as **Info**.

MODULE GST1 DESCRIPTION :

AERIAL- included in pack
(possibility of exchanging the for external with better reach for example TDE-3SP)

DATA CABLE- included

INDICATION DIODES

GST1

LINE
GSM
NAPÁJENÍ

SUPPLY TRANSFORMER - included

INSERTING SIM CARD

! ATTENTION: Data cable is included in pack- This product looses it's guaranty in case of using different cable! Supply transformer is included in pack- the whole product looses it's GUARANTY in case of using different supply transformer!

INDICATION LED DIODES :

GREEN (SUPPLY) : Lights up after connecting a supply transformer to mains 230V/50Hz

BLUE (GSM) :   a, flashing 1:2 ….after connecting to a thermostat
                    b, flashing 1:1 ….indicates receiving an SMS message
                    c, shining ……….if the PIN is set incorrectly

ORANGE (LINE) : a, flashing 5 times …. when the connection to a thermostat is correct
                    b, flashing 3 times …. indicates that messages from the thermostat been send

If module GST1 is cut of the power supply during the operation all LEDs will shine! The module as GST1 will go back to it's normal indication mode within 3 minutes.

Example for setting up PT30GST in recreation property:

Thermostat is placed in a property where it is necessary to keep temperature above zero (e.g. 7°C.
1.   Connect PT30GST exactly according to a manual.
   2.   Move thermostat transformer to a mode MAN (symbol "hand" on the display).
   3.   By using button "- / + °C" set temperature of thermostat to 7°C.
   4.   Before arriving to property write an SMS as "Temperature23" and send it to a module number which is connected to a thermostat.

After receiving this message thermostat will automatically switch on the heating system for a period of time needed to reach the desired temperature.
PT30GST will automatically send return message and you will be informed about change of temperature.
After arriving you can set the temperature on the thermostat as needed.

Technical parameters:	GSM module	SonyEricsson GR64
	Supply transformer	Koracell MTCA-C55, input = 230V AC, output = 7V
	Arial	direct 1 dB / external e.g. TDE 3SP
	Data cable	RJ12, length 1,1 m