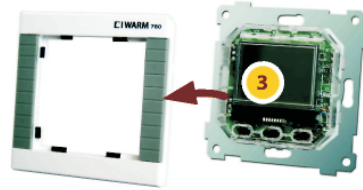
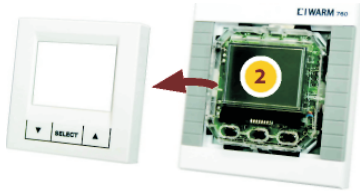


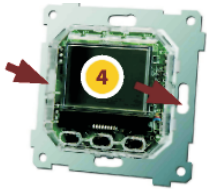
## Installation of the Thermostat



First of all disassemble the thermostat. Take off the front cover, using a thin screwdriver, carefully press in the locks located on the upper and lower sides of the front cover pulling it out slightly



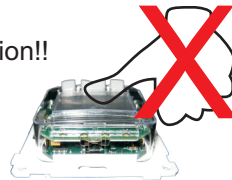
Remove the cover. Remove the frame.



Assemble the thermostat acting in reverse order. Install the frame carefully ensuring that it closely fits to the device's case. Then return the front cover to its place and press it ensuring that both locks are fixed.

**PLEASE NOTE:**  
Don't press the display during the installation!!

Make sure that the front cover is properly affixed.



### Technical data

Supply voltage	240/120 V AC , 50/60 Hz
Maximum load current	16 A
Consuming power	0,45W
Weight	150 g
Dimensions	80 x 80 x 52 mm
Time of setting storage when supply is disconnected	12 Month
Ingress Protection	IP20
Floor mounting temperature sensor	NTC 6,8 kΩ
Length of sensor connection cable	2 m
Allowable ambient air temperature	+5 up to +45 °C
Allowable relative air humidity	80%
Maintaining temperature range	+5 up to +35 °C
Factory preset	+25 °C

If you have questions, please contact:



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## Important information for safe usage

### Thermostat:

Manufacturer's guarantee does not cover malfunctions caused by mechanical damage, improper installation, or exploitation for purposes, or under conditions, not provided by the User- and Installation Manual. Please keep in mind that the Installation Manual and the Connection Diagram are no replacement for the professional skill of the device installer.

We recommend that you apply for professional service for the thermostat and heating system installation. Only qualified electricians should perform the connections and power networking of the device. Switch off power before connecting wiring to the thermostat or disconnecting the device for testing .

Start-up: Don't turn the newly built heating system on before the tile fixing mixture or cement -sand mortar layer are hardened. You can get the different hardening times from the manufacturer of your chosen building material. Turning on the heating system prematurely can lead to damage of the floor decorative cover and heating mats, or sections outage. In case of doubt contact your dealer or heating system manufacturer

### Introduction

Thank you for choosing the I-WARM 760® electronic regulation device, the new intelligent heating control system. With this product you will see how easy it is to maintain your comfort at a lower cost; it will take care of keeping your home warm and cozy all the time. Designed with innovation and inspiration, the new thermostat is highly reliable, and easy to set and use.

Separate settings can be programmed for different times of the day, whether or in or out. This unit allows programming in half hour time periods over a seven day period providing maximum operating choice.

**Before you start the installation, please read this manual carefully!**

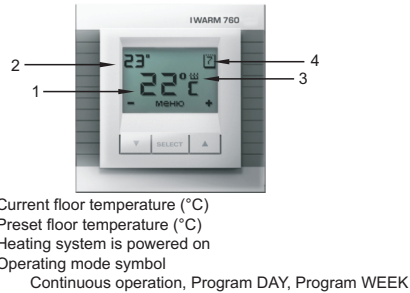
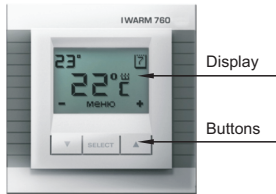
## Function

The **I-WARM 760°** is designed for the control of electrical underfloor heating systems (heating mats or cable units) or other electrical indoor heating systems. It automatically maintains a specified temperature exactly when you need it. There is no need to think about your heating management. You will never have to remember to turn it on. You only need to set the time when you need it, and the **I-WARM 760°** will turn the heat on for you so far in advance that the required temperature will be achieved by the time you specify. The **I-WARM 760°** is an intelligent and self-developing system. Its operation is based on its particular experience of heating your house, so it strives every time to execute your commands more and more precisely and efficiently. The thermostat is equipped with a large highlighted LCD-Display with extended indication that makes it very easy to use the device. 3 multifunctional control buttons are located under the display; a help string appears in the bottom part of the display which indicates the current function of the buttons.

The highlight appears when pressing any button and turns off automatically 40 seconds after the last button is pressed. The **I-WARM 760°** controls the temperature based upon data received from the floor temperature sensor (included in the package). The device displays two temperatures — the actual floor temperature and the « set by you » temperature.

The display also shows the maintenance mode (continuous, daily or weekly schedule). In the bottom part of the display the current day and time are displayed. The device has self-diagnostics, and will display warning messages. You can set a limit of maximum floor temperature. The device will also show energy saving statistics per day, per week or per month in the form of a percentage figure.

## Controls and display

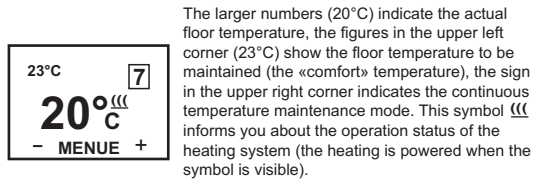


## Start-up of the thermostat

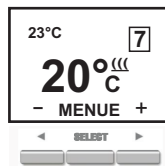
The thermostat can be turned on after wiring connections are complete and tested.

To turn the **I-WARM 760°** ON/OFF press the middle button for not less than 3 seconds.

Turning ON/OFF is accompanied by an appropriate animation on the display. After the **I-WARM 760°** is turned on the basic indication appears on the highlighted display.



The larger numbers (20°C) indicate the actual floor temperature, the figures in the upper left corner (23°C) show the floor temperature to be maintained (the «comfort» temperature), the sign in the upper right corner indicates the continuous temperature maintenance mode. This symbol (7) informs you about the operation status of the heating system (the heating is powered when the symbol is visible).



In the bottom indicator the current functions of the buttons are shown (e.g. at Start):

- : lowering of the preset temperature  
**MENUE** : enter into device's Menu  
 + : increasing of the preset temperature

When the **I-WARM 760°** thermostat is turned on for the first time it starts working in the maintenance mode (factory setting +25°C). When turned on, with your selected settings, the **I-WARM 760°** starts working in that mode and will retain those parameters until you change them.

You can change the preset floor temperature by pressing the selection buttons for increasing and for reducing. This value will remain set, as the comfort temperature in all the modes, until you change it again. To activate the device press, and hold, any button. The buttons are not active, i.e. their first button pressed only «wakes up» the device and turns on the highlighting.

**Menu structure of the thermostat** To control the device, and the setting of its working parameters, the thermostat is provided with a graphic Menu, subdivided into parts according to their purpose of function. To enter the Menu, press the Menu button in the main indication window of the thermostat. The name of Menu subdivisions will be displayed. The subdivisions can be browsed by pressing the selection buttons, in the following sequence:



To select a parameter, press the Menu button.

## Warranty

During the warranty period the customer has the right to get the product repaired or replaced due to faulty materials from the manufacturer on the condition that the manual guides to Installation and Operation of this device have been followed. The warranty policy does not cover thermostats with mechanical damage and in cases where the failure is a result of disregard for operating conditions provided in this Manual, and/or instructions provided for device installation and electrical connections.

Reclamations :In case of failure during the warranty period of the device the customer must immediately apply to the Manufacturer service center or to the regional authorized representative.

## Apendix

### Delivery set

Thermostat **I-WARM 760°**  
 Temperature sensor (connection cable length 2 m)  
 Installation manual  
 Packing box

## Installation manual

### Important!

Switch off the power before connecting or disconnecting wiring to the thermostat. A qualified electrician trained to current Indoor Electrical Equipment regulations must install all wiring. We strongly recommend that you NOT to install the thermostat in premises with high air humidity. It is prohibited to install the device in bathrooms, saunas, shower cubicles or pools. The thermostat controlling heating in these premises must be installed in a neighbouring "dry room".

*Please study this manual carefully before starting the installation.*

## Tools and materials required for thermostat installation

- 1) Corrugated plastic tube not less than 16mm in diameter; the length depends on the distance between the thermostat and the heating unit
- 2) Standard junction box for wall mounting units
- 3) Screwdriver
- 4) Phase voltage indicator

## Installation of floor-mounting temperature sensor



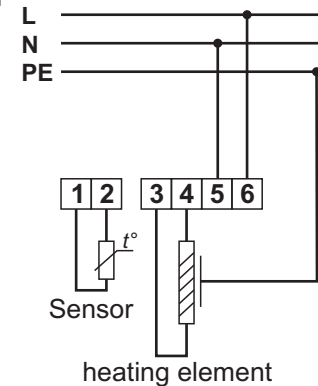
The floor temperature sensor is installed when you perform your heating element (mat or cable section) installation. The Sensor is connected to the thermostat via a junction box. Place the sensor in the corrugated plastic tube near its end, and seal this end of the tube to prevent penetration of water, tile fixing mixture or cement mortar during the installation of the heating system. The tube containing the temperature sensor must be located at the same level as the heating cable between two neighbouring passes of this cable. Place the tube in a prepared groove in the floor and lead its other end to the place chosen for the thermostat or junction box location.

## Thermostat installation

### Preparation of electrical connections

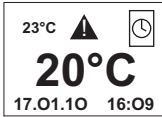
Install the plastic junction box into the wall where the location of the thermostat is planned. Lead the power supply cable, the cold leads of the heating mat or section, and the temperature sensor cable, into the box.

## Connection diagram



## Control of the heating system operating conditions

The I-WARM 760° thermostat permanently controls the operating condition of the heating system.



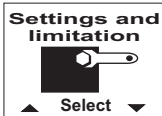
If the heating of the floor surface to the preset temperature appears to be impossible the ATTENTION sign is displayed. This condition occurs, for example, when windows/doors are always open, or in case the installed power of the heating system is not enough to achieve the desired heating level in this room.



In case of a malfunction (cut-off or short-circuiting of connecting wires) during which normal operation of the heating system is impossible, the thermostat turns the heating off and displays a warning message. You should contact the manufacturer or your local dealer to repair or replace the temperature sensor.

## Setting of the common parameters of the thermostat

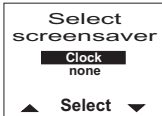
Several common parameters are valid for all thermostat operating modes. They can be set via the subdivision Settings and limitation of the main Menu. There you can set a limit of maximum floor temperature (this may be important for some types of floor coverings) and the indication of the device's operating mode: heating parameters, current time and date or current time (in large print).



To set the common parameters, press the menu button while in the operating mode, and choose the subdivision Settings and limitation and open by pressing the menu button.



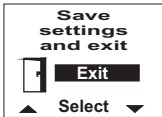
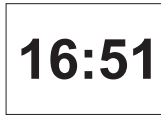
The window to set the maximum floor temperature limit appears on the display. Press the selection buttons to set the required value and press the menu button.



The window for choosing the type of indication, in the device's operating mode, appears. The following types of indication are available:

- «Clock» — displays the current daytime in large figures
- «None» — the main indication window of the device indicates the heating parameters, the current date and daytime

The device returns to it after pressing any key when the «Clock» screen is displayed and after using the menu. If the indication type «Clock» is selected, the device turns to it after 40 seconds of pressing any key. Press the selection buttons to choose the desired option of indication («screensaver») and press the menu button. The display returns to the selection of the main Menu.



Select the item Save settings and exit and press the menu button. The device now turns on its operating mode with the entered common parameters.

## Output of energy saving statistics data

The I-WARM 760° accumulates statistic data on the heating system operation, which allows you to evaluate the actual saving benefit from the heat controller used in your heating system. The result is displayed by the thermostat is calculated by this formula:

Saving during a time period = 100% - (Heating time during the time period/time period) \* 100%



To display the statistics data press the Menu button when the I-WARM 760° is in the operating mode, then choose the Statistics subdivision and press the menu button. Pressing the selection buttons you can view the statistic data for 24 hours, for a week, or for a month. To exit from statistics viewing mode press the menu button. In the main Menu go to the subdivision Save settings and exit and press the menu button. The I-WARM 760° will return to its current operation and indication mode.

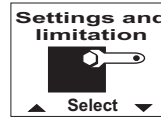
## Basic settings

The following chapters will present the basic setting options. You can choose between manifold options. The settings will enable you to adjust your heating system to your requirements and to operate the heating system energy-efficient.

### Set the language

Please note, English is the factory preset thermostat menu language. The following languages are available:  
- German; English; French; Portuguese; Spanish; Russian

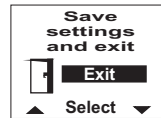
To set the desired Menu language proceed like described as follows.



To set the common parameters, press the Menu button while in the operating mode, and choose the subdivision Settings and limitation



Press the Menu button again and the Select language screen will appear. Choose with the selection buttons your desired language and press the Menu button.

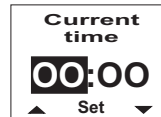


After setting the Menu language, Press the Menu button to confirm the settings until the device will return to the main Menu. To return to the basic indication choose the submenu Save settings and exit and press the Menu button.

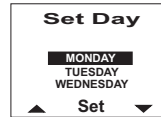
### Set the date and the time



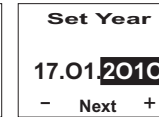
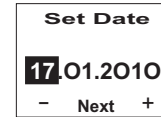
Entering the correct date and time ensures the correct operation in the daily and the weekly program modes. To set the date and time, press the Menu button while in the basic mode and choose the Set date and time submenu.



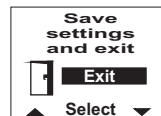
In the appearing window the first two digits (hours) are blinking. Press the selection buttons to set the current hour. Then press the Menu button. Now the other two digits (minutes) are blinking. Set the correct value and press the Menu button.



Now the current time is set and the display prompts you to select a week day. By pressing the selection buttons set the current weekday; then press the Menu button.



Then the display shows the windows for the setting of the date, month and year with the respective blinking digits. Set them one by one in a similar way to setting the hour and minutes, press the Menu button each time for confirmation. Thus, you have set the current time, weekday and date.



The displays animation confirms the settings made and the indicator will go back to the menu. Using the up and the down arrow buttons to choose the subdivision Save settings and exit and press the Menu button. The device now runs in its operating mode. This operating mode is intended to continuously maintaining a comfortable room temperature as set by you. Now you have the possibility to program the daily/weekly program modes according to your needs.

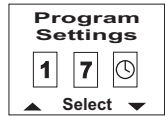
## Daily program

The daily and weekly program assists you by creating a heating schedule in accordance to your requirements. Due to the manifold options and the self-developing system the thermostat **I-WARM 760** provides a selection, which characterizes a perfect balance between heating comfort and energy efficiency. This mode allows the device to be set for a 7 day period from a single input. This mode is the efficient way to save electrical energy when you need to maintain heating at a selected time of a day rather than continuously. You can set multiple periods during the day, marked as comfort, in steps of 30 minutes. The heating is off the rest of the day, and is marked as economy. Based on accumulated knowledge the thermostat will turn on the heating before or at the end of the economy period so that the desired temperature will be achieved exactly at the set time. The comfort temperature which is set in the main indication window, by using the selection buttons, are the same for all the comfort periods, irrespective of the operation mode.

*\* Important: The manufacturer does not provide preset "comfort" periods in the daily mode. You have to set them first by programming heating periods during the day, otherwise the heating will always be off. Further, your settings will always be used in this mode until you change them.*

## Setting the daily program

To set the daily mode press the menu button to access the daily program, while the thermostat operates in the main mode.



Browse by using the selection buttons to the subdivision program setting then press the menu button.



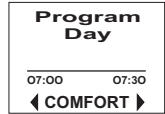
Then select the Program day item, and press the menu button.



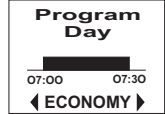
The submenu Program day appears. Activate is for starting the daily mode with prior set parameters. The view item allows you to view the heating diagram without being able to edit it. The edit item enables you to set a heating schedule (when this mode is first run) or to edit the existing one.



For convenient setting and viewing the schedules the device is provided with visualization, of comfort and economy periods distribution during the day, as a graph. The graph is illustrated as a time axis with the comfort periods marked, with a hatch, and the economy periods left blank. To set/edit the daily schedule choose edit and press the menu button. The time axis for setting the comfort and the economy periods appears. Moving along the time axis with the selection buttons, you can set the comfort and economy periods using the selection (alternately switched) buttons in the desired intervals. For example, you want to set the comfort periods from 7:00 to 9:30 (in the morning) and from 19:00 to 22:30 (in the evening). When you enter the edit submenu you can see the first time interval (from 00:00 to 00:30).



Keep on pressing the selection buttons until you reach the interval you desire to set as comfort (e.g. 07:00–07:30). Press the menu button to set this time interval as a comfort period



The interval will be displayed as a economy period (hatched).



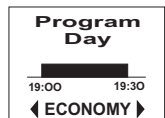
Keep on pressing the selection button and the menu button together to extend the comfort period to the time interval 09:00–09:30.



Keep on pressing the selection button until you reach the time interval 19:00-19:30 while leaving the passing intervals as economy. Press the menu button to set this time interval as a comfort period.



Press the menu button to set this time interval as a comfort period.



Keep on pressing the selection button and the menu button to extend the comfort period to the time interval 22:00-22:30. Keep on pressing the selection button until you reach the time interval 23:30–24:00 while leaving the passing intervals as economy. Now, when the end of the day is reached, press the selection button, the task will be completed, and the device will return to the Program day submenu. To activate the set program choose Activate and then press the menu button.

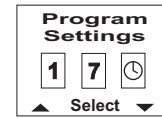


Please note: Should you fail to activate your heating program within one minute, the device will return to operate in the previously chosen mode; the data you entered will not be saved. After selecting this command the display will return to the main menu. To return to the main indication window of the device press the menu button in the Save settings and exit subdivision. The device will be set according to the heating program, entered by you, that is indicated by a symbol (1) appearing in the upper right corner.

## Weekly program

This operation mode will enable you to achieve even better efficiency than the daily one, as it allows for more precise adjustments to your existing day to day activity needs. You can set the comfort and the economy periods for each day of the whole week. For example you can turn off the heating for a weekend or days when you are away. In case your arrangements change you don't need to change the weekly program. You can shift to a daily program for this period or, choose the continuous maintenance mode.

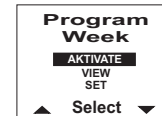
## Setting the weekly program



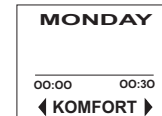
To set the weekly mode press the selection button to access the subdivision program settings, while the thermostat operates in the main mode. Activate the subdivision program settings with the menu button.



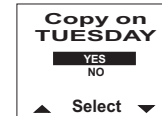
Then select the Program week item, and press the menu button.



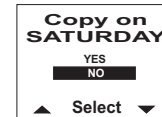
The submenu Program week appears. Activate is for starting the weekly mode with prior set parameters. \*The view item allows you to view the heating diagram without being able to edit it. The edit item enables you to set a heating schedule (when this mode is first run) or to edit the existing one. \*Important: The manufacturer does not provide preset "comfort" periods in the daily mode. You have to set them first by programming heating periods during the day, otherwise the heating will always be off. Further, your settings will always be used in this mode until you change them. To set/edit the weekly diagram choose edit and press the menu button.



The time axis for setting the comfort and the economy periods appears. To set a weekly program you should make daily settings one by one starting from Monday as described in the previous section Daily program mode. For example, you want to set the comfort periods for days from Monday to Friday and also set for Saturday and Sunday. You can simplify the process by copying the settings made for one day to another. For example, you can copy the settings made for Monday to the other week days, then make settings for Saturday and copy it to Sunday. For this, use the Monday graph to set the first day as described in the previous section, Daily program mode, then the following window appears.



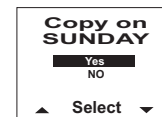
Move the cursor to Yes and press the menu button. The program you set for Monday will be copied to Tuesday. If you selected No you would have to set the heating program for Tuesday manually. Copy the heating program to the other weekdays until Friday.



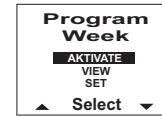
Then you can see the message, if the heating program should be copied to Saturday. Set the cursor to No and press the menu button. You can see the window for Saturday.



Set a heating program, according to your set of comfort periods, planned for weekends as described in the previous section Daily program mode, then you will see the message if the heating program should be copied to Sunday.



Set a heating program, according to your set of comfort periods, planned for weekends as described in the previous section Daily program mode, then you will see the message if the heating program should be copied to Sunday.



To activate the weekly program choose Activate and press the menu button. Should you fail to activate your heating program within one minute, the device will return to operate in the previously chosen mode; the data you entered will not be saved. This is also valid for the case when in the course of program entering or moving through menus none of the buttons are pressed for one minute. The activate command starts the weekly program set by you (or the previously saved settings).



After selecting this command the display will turn to the main menu. To return to the main indication window of the device, press the menu button in the Save settings and exit subdivision. The device will be set according to the heating program entered by you, that is indicated by a symbol [7] appearing in the upper right corner.

Please note: Should you fail to activate your heating program within one minute, the device will return to operate in the previously chosen mode; the data you entered will not be saved