

# Telecontrol

| INOVATIONS IN HEATING CONTROL |

The future of living



A dark blue login form overlay with a light blue border. It contains two input fields: 'username' and 'password'. To the right of the 'password' field is a 'login' button. Below the input fields is a checkbox labeled 'Remember me' and a link 'Forgot password?'. In the top right corner of the form are four icons: a home icon, a graph icon, a gear icon, and a close icon.





FIXED PHONE LINE MODELS  
(REQUIRE FIXED PHONE LINE)



GSM MODELS  
(REQUIRE STANDARD SIM CARD)

## T10D



Room thermostat fully controllable via phone or cell phone  
Single output 16A/250V  
Room temperature and external temperature measurement  
Voice menu in English (also other languages on demand)

## T10D-GSM



## T10DP



Room thermostat fully controllable via phone or cell phone  
2 output channels 16A/250V each (1 temperature regulated)  
Room temperature and external temperature measurement  
7-day thermostat program  
Voice menu in English (also other languages on demand)

## T10DP-GSM



## T18DP



Room thermostat fully controllable via phone or cell phone  
Burglary alarm function with phone notification and siren output  
2 output channels 16A/250V each (1 temperature regulated)  
Room temperature and external temperature measurement  
7-day thermostat program  
Voice menu in English (also other languages on demand)

## T18DP-GSM



## T20DP



Room thermostat controllable via phone or cell phone  
Burglary alarm function with phone notification and siren output  
Heating system error alarm with phone notification  
Flood, fire, carbon monoxide presence alarm with phone notification  
Temperature LOW/HIGH alarm with phone notification  
Power failure/restore alarm with phone notification  
2 output channels 16A/250V each (1 temperature regulated)  
Room temperature and external temperature measurement  
7-day thermostat program  
Voice menu in English (also other languages on demand)

## T20DP-GSM





Micro EL d.o.o. is a OEM/ODM manufacturer of devices for remote control, measuring, regulation, supervision and notification. Founded in 1996, specialised in the field of house automatisation, especially in heating and air-conditioning control, MICRO EL always tends to provide high end solutions. Innovative and advanced tehcnology approach has resulted with variety of products tailored to meet every need.

MICRO EL products are unique on the world market according to several aspects. TELECONTROL are the only room thermostats on the market with built-in voice communication interface (communication via phone or cell phone). Furthermore, TELECONTROL T20DP comfort station covers all the aspects of secure and comfort living (notification of heating system error, power failure and power restore, burglary, fire, flood, carbon monoxide presence, natural gass leakage and temperature excess, electric). Simplicity of applied voice tehcnology moves one step further to the common acceptability of modern home technic.

## Few reasons why to choose MICRO EL products:

- Inovative product that will distinguish you from the competition.
- Reliability that comes from 14 years of experience in regulation and remote control.
- Customized solutions for heating systems manufacturers
- Private labeling possible.
- Universal compatibility
- 2 Year Warranty.

## OTHER PRODUCTS AND ACCESSORIES



UNITHERM E2, E3  
DIN Rail mount thermostat  
user code for keyboard lock and for user  
selectable temperature range



KTS4  
extern temperature sensor  
range -55°C - 125°C  
cable lenght 12m, max 100m  
water resistant housing



KTS5  
extern temperature sensor  
range -55°C - 90°C  
cable lenght 12m, max 100m  
wall mount enclosure



door  
contact



IR  
motion  
detector



MW  
motion  
detector



glass  
break  
detector



carbon  
monoxide  
detector



natural gas  
detector



fire detector



flood detector



Any time, any place, you can turn your heating on and off, you can measure and adjust the room temperature.

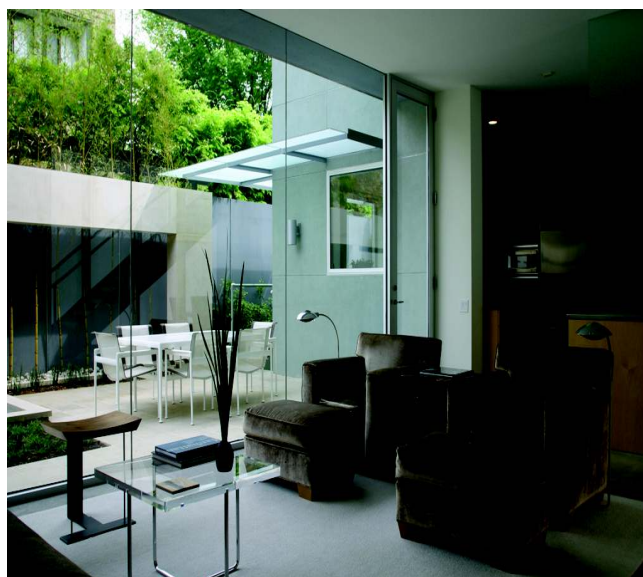
A PHONE CALL IS ALL IT TAKES!!!

## CONTROL YOUR HEATING VIA PHONE, MOBILE OR INTERNET!

Heating is an important aspect of the quality of life in your home, your working and any other space, and you are quite right in wanting more efficient control of its operation. The question is what is the ideal rhythm of the heating, and how to reconcile the seemingly irreconcilable demands for cutting considerable heating costs with the demand for the comfort of

The time required for a house to warm up to a comfortable temperature depends on a number of factors, in particular on the quality of thermal insulation and the output of the heating system. High quality solutions should enable you to supervise your heating system wherever you may be at the moment.

TELECONTROL offers you the possibility to control your heating via telephone, mobile phone, or now even Internet. Avoid the discomfort of returning to a cold home or workplace. Call your TELECONTROL, turn on the heating on time and set the desired temperature.



TELECONTROL enables you to:

- adjust the rhythm of the heating to your everyday needs and habits
- make the precious moments in your week-end house count
- turn your living place into a comfortable environment



## NEW !!! TELECONTROL ON THE INTERNET NOW

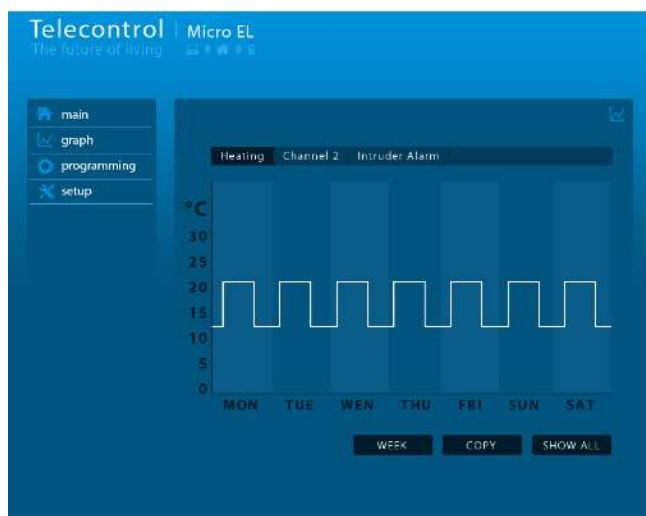
Now you can control your heating via GSM/voice, Internet and SMS!

TELECONTROL now offers benefits and features earlier reserved only for much more expensive equipment.

New powerful features - heating data logger for easy system performance analysis, rapid configuration,

easy setting of weekly programs for heating, air-conditioning and burglary alarms.

Very low operating cost - thanks to our dedicated TELECONTROL internet server, no need for static IP address.



## TELECONTROL brings...

- comfort** Remote control of the heating enables comfortable stay in a timely heated space. Weekly program feature allows optimum temperature when user behaves according to the usual schedule.
- security** TELECONTROL takes care after all the aspects of secure living (detection and notification of heating system error, burglary, fire, flood, carbon monoxide presence and natural gas leakage, power failure and restore alarm). It enables home supervision and instant information sharing of any possible problem directly to user's cell phone. Timely notification makes it possible for the user to promptly react and prevent possible damage.
- savings** Reduction in heating costs due to the optimized operating mode.
- universality** TELECONTROL devices can be used with almost every type of heating (gas, oil, electric central heating, solar heating, floor heating, electric radiators and convectors, electric heat storage stoves, boilers, air conditioners...).
- simplicity** Voice messages communication is intuitive and easy understandable to every user, without even the need for studying instruction notes. Through voice messages, the user receives informations about the status ("THE HEATING IS ON") or measured values ("THE TEMPERATURE IS 21"), confirmation of the commands executed or instructions on what to enter ("PRESS 0 TO TURN IT OFF").

## usefull features...

- highly integrated communication interface** TELECONTROL are the only room thermostats on the market with built-in voice communication interface. This enables the user, not only to turn on and off the heating, but also gives him the access to all the functions of the room thermostat from distance. Thus the user can measure the room temperature, adjust the room temperature, and even enter the 7-day program.
- measuring the temperature** Remote temperature measuring is very practical function. It gives us information whether to turn on the heating before arrival. It also enables user to check if his heating system works properly. User can measure the temperature of the room where TELECONTROL is installed. There is also option of using external temperature sensor which allows measuring of the outer temperature at the distance up to 100 m.
- programming the thermostat** Programming the thermostat (7-day program) has never been easier. Interactive voice assistant guides the user through the programming process, ensuring that every important parameter is entered. Even a person who uses the device for the first time is able to program it in 2-3 minutes, without studying the instruction notes. Voice assistant is activated by entering single command (on phone keyboard), and after that all that user has to do is answering to TELECONTROL's voice queries. Heating specialists are now able to change customers program without going out to the field.
- GSM models** TELECONTROL can even work where there is no fixed line available. GSM models have a built-in GSM modul, which enables communication even in facilities without fixed telephone line. To activate TELECONTROL, it is necessary to insert a SIM card of any operator. It can be contract or pre-paid SIM card, which can easily be recharged from any cell phone.
- 2 channel remote control** Most TELECONTROL models have two output channels. First channel is intended for remote control and regulation of the main heating or cooling system. Second channel can be used for remote control of any other device, for example, air conditioning, alarm siren (models with burglary alarm), another heating zone, garage door, lights etc.



Micro EL d.o.o.  
 Crn i eva 43, 10000 Zagreb  
 CROATIA  
 International sales:  
 tel. +385-1-2344-414  
 fax. +385-1-2445-843  
 Skype: zdravka.popic  
 info@microel.hr  
 www.microel.hr