# TELECONTROL T10D / T10D-GSM



**Room thermostat with built-in voice communication interface for remote control via phone or cell phone.**

Highly integrated, built-in communication interface enables the user, not only to turn on and off the heating from the distance, but also to access all functions of room thermostat from the distance. Thus the user can measure the room temperature, adjust the room temperature, measure the external temperature...

While in object, all the functions of classic room thermostat are available: LCD displaying the room temperature, direct adjustment of the temperature, turning on and off the heating....

## room thermostat

- LCD displaying the room temperature
- turning on and off the heating
- adjusting the room temperature
- anti-freeze temperature function
- selectable standard heating mode, cooling
  mode and underfloor heating mode

## control via phone or cell phone

- voice communication in English language
- turning on and off the heating
- measuring the room temperature
- adjusting the room temperature
- measuring external temperature
  (with optional external temperature sensor)
- changing the user settings



### TELECONTROL T10D

phone line

extern temperature sensor

220V~
L
N

heating system
or
air-conditioning system
(see app. examples)

## other characterics

- blue LCD backlight
- uses analog telephone line or ISDN line with analog output
- output status light indicator
- user changeable password
- there is no interference with the operation of other devices
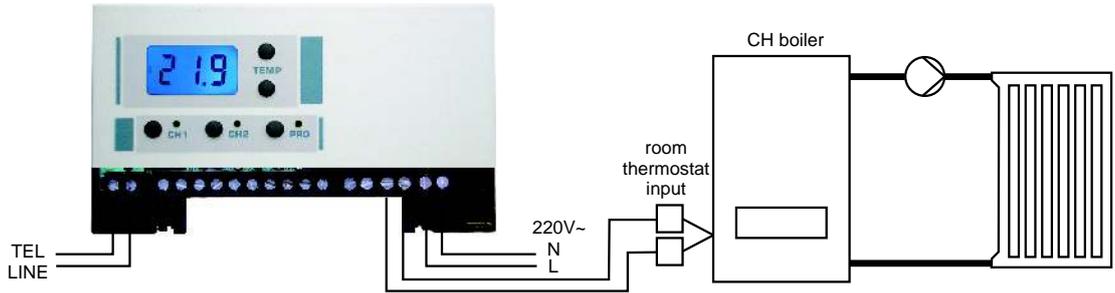  connected to the same telephone line

## optional equipment

- external temperature sensors KTS4 and KTS5

**MICRO EL**

## APPLICATION EXAMPLES

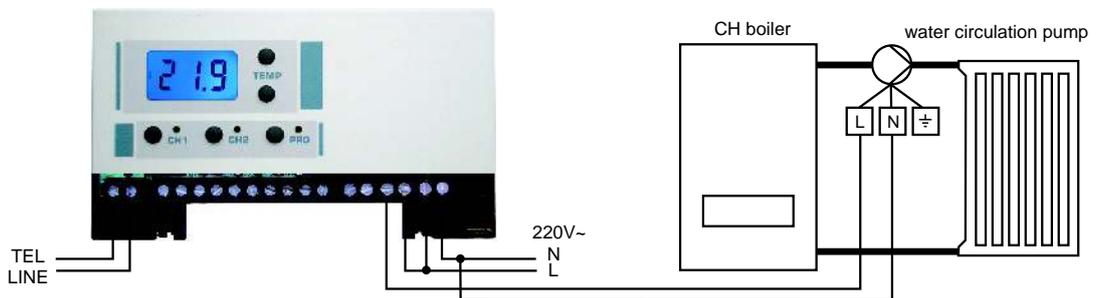### 1. Application:  Central heating regulation - connecting to dedicated room thermostat input
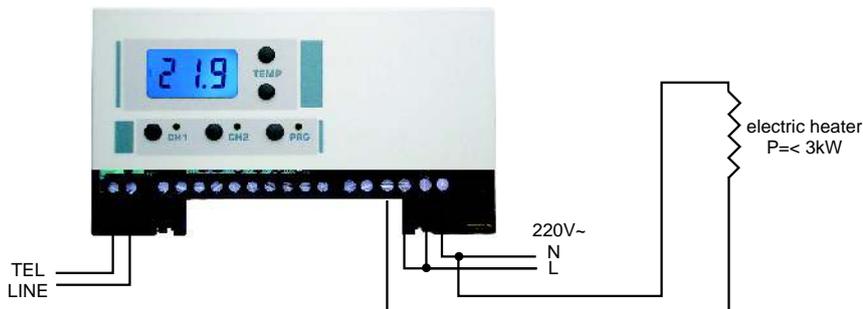
TELECONTROL
T10D
T10D-GSM
T10DP
T10DP-GSM

CH boiler

room thermostat input

TEL LINE

220V~
N
L

### 2. Application:  central heating regulation - connecting to water circulation pump
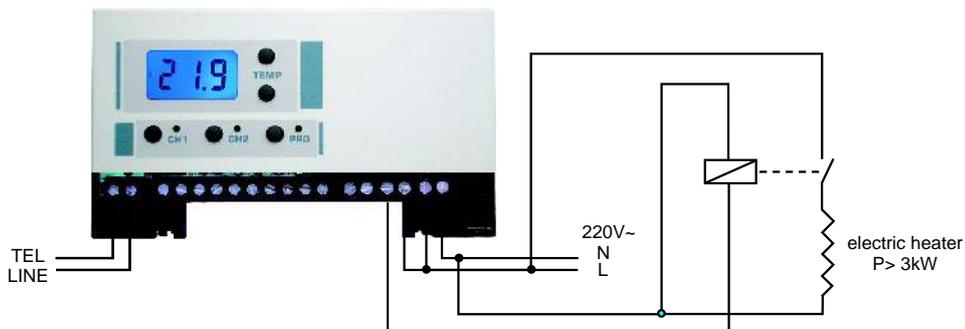
TELECONTROL
T10D
T10D-GSM
T10DP
T10DP-GSM

CH boiler

water circulation pump

L  N  ÷

TEL LINE

220V~
N
L

### 3. Application:  Electric heating system regulation (power < 3kW)

TELECONTROL
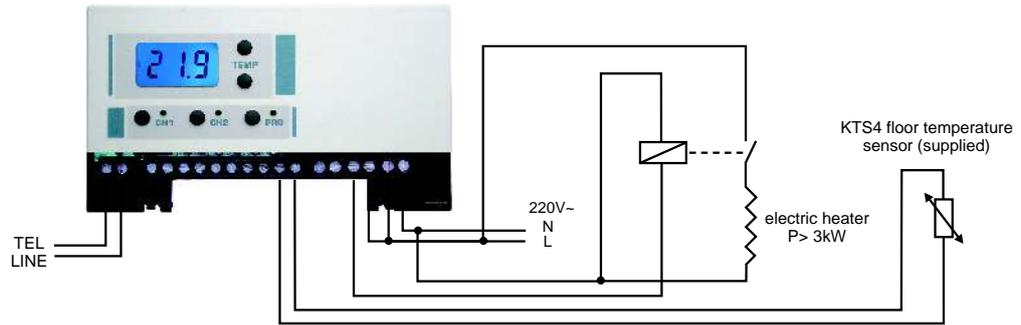T10D
T10D-GSM
T10DP
T10DP-GSM

electric heater
P=< 3kW

TEL LINE

220V~
N
L

### 4. Application:  Electric heating system regulation (power > 3kW)

TELECONTROL
T10D
T10D-GSM
T10DP
T10DP-GSM

electric heater
P> 3kW

TEL LINE

220V~
N
L

MICRO EL

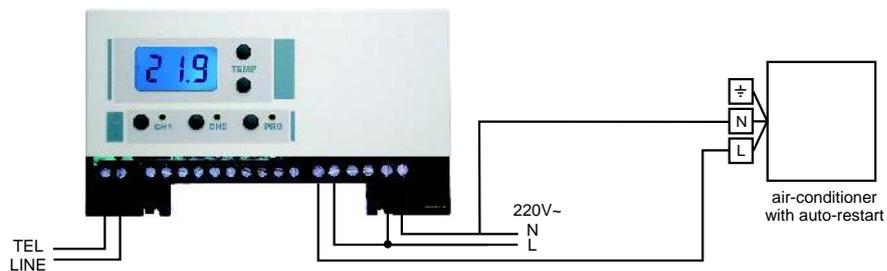*Telemetry*
*Automation & Monitoring*
*Remote control & Regulation*

## 5. Application:  Electric underfloor heating system P > 3kW with floor temperature limiting
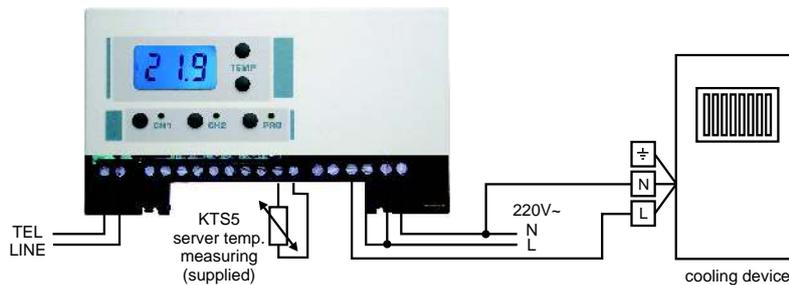
TELECONTROL
T10D
T10D-GSM
T10DP
T10DP-GSM

TEL LINE

220V~
N
L

KTS4 floor temperature sensor (supplied)

electric heater
P> 3kW

## 6. Application:  Air-conditioner with autorestart function

TELECONTROL
T10D
T10D-GSM
T10DP
T10DP-GSM

TEL LINE

220V~
N
L

air-conditioner with auto-restart

## 7. Application: Computer server room temperature supervision and excess temperature notification by phone. Remote phone control of backup cooling device.

TELECONTROL
T10D
T10D-GSM
T10DP
T10DP-GSM

TEL LINE

KTS5 server temp. measuring (supplied)

220V~
N
L

cooling device

## 8. Application:  Central heating control, air-conditioner control, garage door control, burglary notification, carbon monoxide notification, fire notification, refrigerator/freezer temperature supervision and error (melting) notification.

TELECONTROL
T20DP
T20DP-GSM

TEL LINE

CH boiler

L N 220V~

KTS4 (supplied) - placed inside freezer

door contacts

IR & MW motion detectors

fire detectors

backup battery 12V/1.2Ah

flooding detector

carbon monoxide detector

burglary alarm siren

**MICRO EL**

*Telemetry*
*Automation & Monitoring*
*Remote control & Regulation*