TELECONTROL T18DP / T18DP-GSM

Room thermostat with voice communication interface for remote control via phone or cell phone. Burglary alarm function with phone notification and siren output.

Model T18DP is a device which, in addition to its standard heating control functions, enables the supervision of the object and burglary notification. The device has an input for alarm contact to which one or more various burglary sensors may be connected (infrared motion detectors, door contacts, microwave motion detectors, glass breaking detectors...).

programmable 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
- 7 day program thermostat
- 8 temperature changes per day

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
- programing the thermostat
- measuring external temperature
  (with optional external temperature sensor)
- changing the user settings

other characteristics

- 2nd channel (only ON/OFF)
- 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
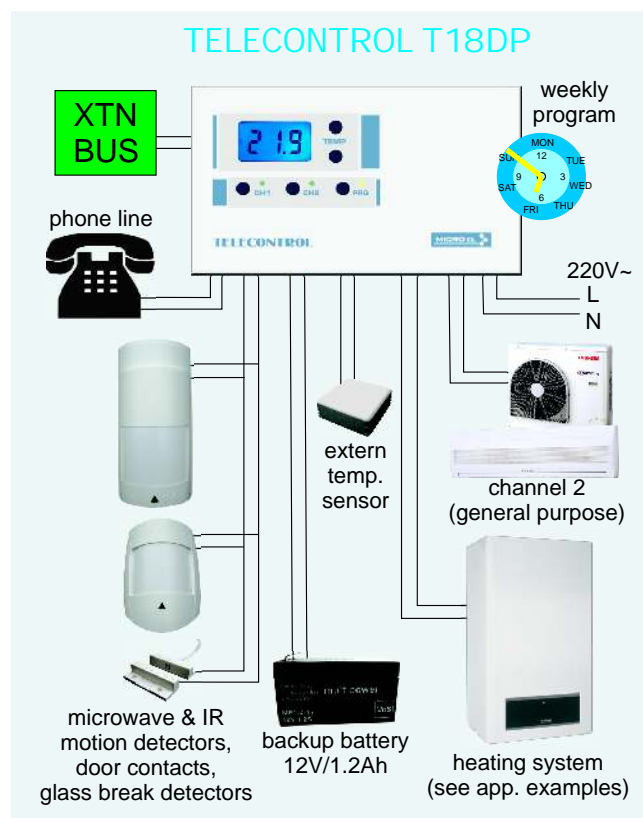
alarm notification

- automatic alarm notification via phone or cell phone
- up to 5 user phone or cellphone numbers for notification
- option of silent alarm and/or output to alarm siren
- activating and deactivating alarm from distance

optional equipment

- external temperature sensors KTS4 and KTS5
- infrared motion detectors
- door contacts
- microwave motion detectors
- glass breaking detectors
- backup battery

TELECONTROL T18DP

XTN BUS

weekly program

phone line

220V~
L
N

extern temp. sensor

channel 2
(general purpose)

microwave & IR motion detectors, door contacts, glass break detectors

backup battery 12V/1.2Ah

heating system (see app. examples)

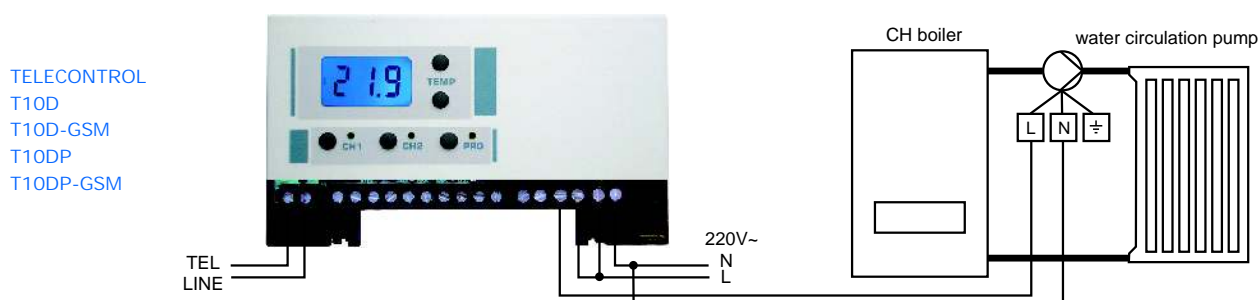MICRO EL

Telemetry
Automation & Monitoring
Remote control & Regulation

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
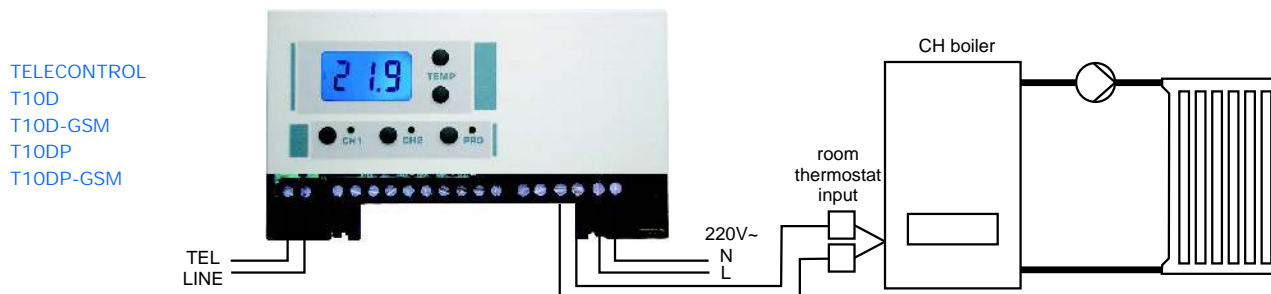
2. Application: central heating regulation - connecting to water circulation pump

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
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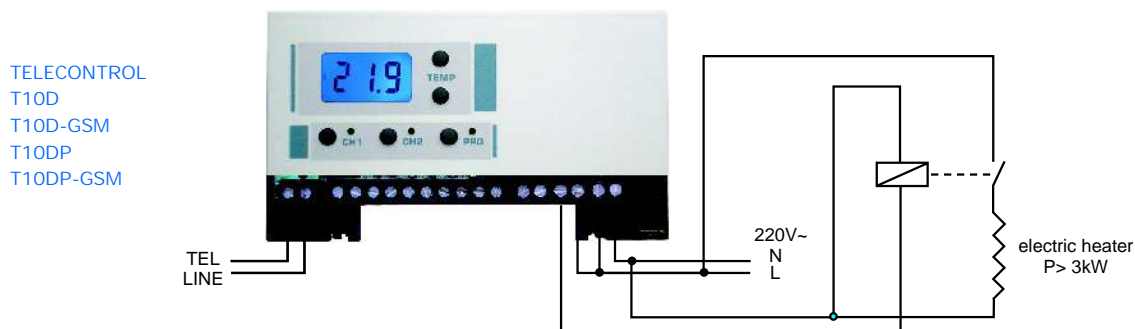
5. Application: Electric underfloor heating system P > 3kW with floor temperature limiting

TELECONTROL
T10D
T10D-GSM
T10DP
T10DP-GSM

TEL
LINE

220V~
N
L

electric heater
P> 3kW

KTS4 floor temperature
sensor (supplied)
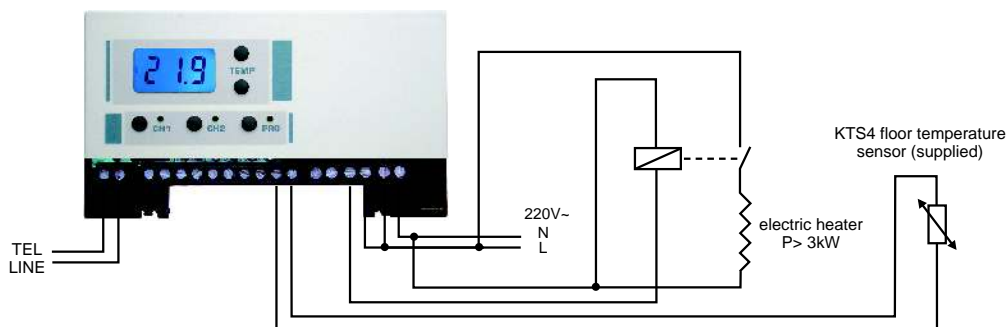
6. Application: Air-conditioner with autorestart function

TELECONTROL
T10D
T10D-GSM
T10DP
T10DP-GSM

TEL
LINE

220V~
N
L

air-conditioner
with auto-restart
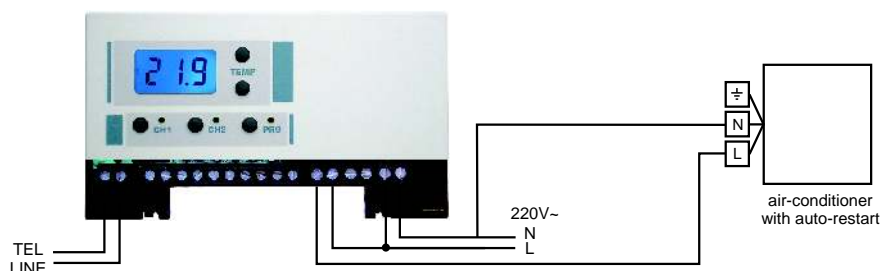
7. Application: Computer server room temperature supervision and excess temperature notification by phone. Remote phone control of backup cooling device.

TELECONTROL
T10D
T10D-GSM
T10DP
T10DP-GSM

TEL
LINE

KTS5
server temp.
measuring
(supplied)

220V~
N
L

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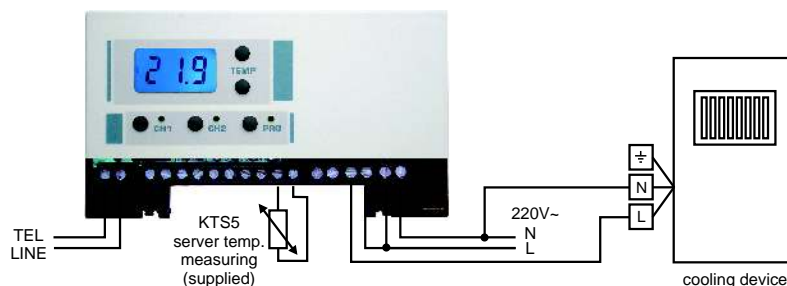
8. Application: Central heating control, air-conditioner control, garage door control, burglary notification, carbon monoxide notification, fire notification, refrigerator/freezer temperature supervision and error (melting) notification.

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