



IMPORTANT!

Before starting work the installer should carefully read this Installation & Operation Manual, and make sure all instructions contained therein are understood and observed.

- The thermostat should be mounted, operated and maintained by specially trained personnel only. Personnel in the course of training are only allowed to handle the product under the supervision of an experienced fitter. Subject to observation of the above terms, the manufacture shall assume the liability for the equipment as provided by legal stipulations.
- A scheme of connection is provided on a separate sheet.
- All instructions in this Installation & Operation manual should be observed when working with the thermostat. Any other application shall not comply with the regulations. The manufacturer shall not be liable in case of incompetent use of the thermostat. Any modifications and amendments are not allowed for safety reasons. The maintenance may be performed by service shops approved by the manufacturer only.
- The functionality of the controller depends on the model and equipment. This installation leaflet is part of the product and has to be obtained.

APPLICATION

- The thermostats are developed to control and manage all type of heating installations.
- The controllers have been designed for use in residential rooms, office spaces and industrial facilities.

Verify that the installation complies with existing regulations before operation to ensure proper use of the installation.



SAFETY INSTRUCTIONS

Before starting work disconnect the power supply!

- All installation and wiring work related to the thermostat must be carried out only when de-energized. The appliance should be connected and commissioned by qualified personnel only. Make sure to adhere to valid safety regulations.
- The thermostats are neither splash- nor drip-proof. Therefore, they must be mounted at a dry place.
- Do not interchange the connections of the sensors and the 230V connections under any circumstances! Interchanging these connections may result in life endangering electrical hazards or the destruction of the appliance and the connected sensors and other appliances.

FIRST INSTALLATION

Batteries inside the thermostat must be charged for at least 6 hours to reach maximum capacity to back up time.

1. Product overview



Touch screen programmable thermostat specially designed to control different types of heating systems.

The thermostat will allow you to optimize your energy consumption and increase your comfort levels.

- Modern design with touch screen.
- Simplified wiring & Installation.
- “Easy program creation” function.
- Fully programmable.
- Temporary override function.
- Anti freeze function.
- Holiday or Reception function.
- Connections for 2 sensors.
- Estimation of the cost and consumption of the installation

Optional

- 2 External sensors with several possibilities of regulation. (Floor, combined...)

2. Menu structure

Mode

Manuel
Timer
OFF
Anti freeze
Vacation

Vacation settings
OFF
Anti freeze
Reduce
Sunday's program
Set Return Date

Program

Program Menu
View Current Program
Select Program
Edit Program
User 1
User 2
User 3

Settings

Language

English
German
Czech
Spanish
French

Date and Time

Date
Time
DST

Display

Colour

- Blue
- Red
- Green
- None

Clean Screen

Screen Lock

Floor Temperature Display

- Yes
- No

Degree Format

- °C
- °F

Time Format

- 12h
- 24h

Installation

Sensor

- Sensor Calibration
 - Int
 - Ext1
 - Ext2
- Ext. Sensor Type
 - Ext1 (10K – 12K – 15K)
 - Ext2 (10K – 12K – 15K)

Regulation

- Sensor Regulation
 - Air
 - Air + Floor
 - Floor
 - Air (Ext) + Floor
 - Air + Floor (x2)
- Regulation Type
 - ON/OFF
 - PID
- Floor Limit
 - Low
 - High
- First Heating
 - Wood (10 days)
 - Concrete (21 days)
 - Ceiling (10 days)
- Smart Start
 - o Yes
 - o No
- Open window function
 - o Yes
 - o No

Statistics

View

- View Last Day
- View Months
- View Year

kWh Price

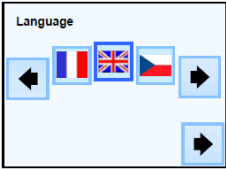
Heating Power

RESET (press 2 seconds on the RESET button to reset your installation)

3. Installation menu

This section will guide you through setting up your thermostat for the first time.

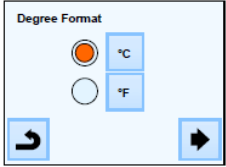
3.1. Language



Press the (◀) or (▶) keys near the flags to select the chosen language. The active language is framed.

Press the ▶ key in the bottom right corner to continue the settings of the installation.

3.2. Degree format

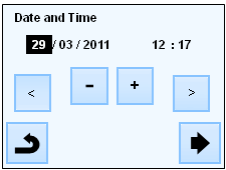


Select the degree format chosen by pressing on the touch button near the degrees. The active option is colored red

Press the ▶ key in the bottom right corner to continue to the next part of the installation

You can return to the previous menu by pressing the ⏮ key.

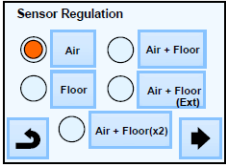
3.3. Date and Time



Select the time format 12H or 24H using the same method as above. Press the (◀) or (▶) keys to activate the value to be modified. Each time a value is highlighted, it can be modified by pressing the (+) or (-) keys. Press the ▶ key in the bottom right corner to continue to the next part of the installation

You can return to the previous menu by pressing the ⏮ key.

3.4. Sensor Regulation



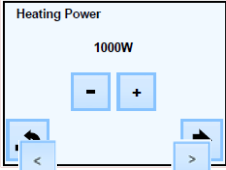
Select the chosen sensor regulation by pressing on the touch button near the sensor regulation possibilities

The active touch is colored red

Press the ▶ key in the bottom right corner to continue to the next part of the installation

You can return to the previous menu by pressing the ⏮ key.

3.5. Heating power



Press the (◀) or (▶) keys to select a unit, press the (+) or (-) keys to modify the heating power.

This value is used to estimate the running cost of the system. You can return to the previous menu by pressing the ⏮ key.

Press the ▶ key in the bottom right corner to continue.

The main screen is displayed.

The default working mode will automatically be set to manual mode. 🖐️

4. Mode of operation

Main screen

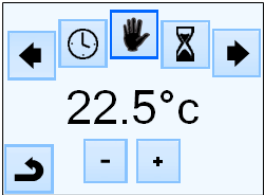


How to change the current mode?

Press on the ⚙️ key on the main screen and then press on the “Mode” button to access to the operating modes.

You can now press the (◀) or (▶) keys to scroll and select a mode.

The selected mode is framed, to select a mode press the ⏮ key to return to the main screen.



4.1 Programmable mode ⌚

In this mode the thermostat will follow the chosen program (Built-in or customized) according to the actual time

You can temporarily override the selected program, by pressing the temperature displayed on the main screen.

The small hand 🖐️ logo will be displayed when the override function is active.

To exit override mode, switch to manual then back to automatic mode

You will have the choice between 4 built-in programs that can't be modified and 3 user programs that you can customize.

1- How to customize a user program

Press on the “Mode” button then on “Edit Program” button and choose a user program.



Then you will have to choose between 3 configurations:



a- Set day by day

You will set a new program for each day.

Automatically, the first day you will program is Monday.

The minimum program step is 15 minutes.

You will have to configure several periods.

The first period begins at 00:00. Then, choose the end time period with the (+) and (-) keys and the temperature to be followed during this period.



Press “Next” button to continue the program. The next period will start at the end of the last period.

For all periods you will define, you have to choose the end period and the temperature. The last period stops at 24:00. Then press on the Next button.

- GB

TFT thermostat installation guide
- D

Installationsanweisung für den Thermostat TFT
- CZ

Instalační příručka pro termostat TFT
- RU

Инструкция по установке термостата TFT

1

Min 20cm

~1.50M

2

60mm

91 mm

23 19

91 mm

3

Max 2,5mm²
x 4 or 5

NTC10kΩ

4

4

5

5

5

5

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SAFETY INSTRUCTIONS

Before starting work disconnect power supply!

- All installation and wiring work related to the thermostat must be carried out only when de-energized. The appliance should be connected and commissioned by qualified personnel only. Make sure to adhere to valid safety regulations.

You can drive directly up to 3600W (16A) with your thermostat **TFT** (fig1), above this power you must install an external power relay (contactor) to optimize and keep a good regulation (fig2).

Mounting instruction:

- All electrical conduits to the thermostat box that contain heating cable or floor sensor must be sealed to protect the thermostat against hot air currents.
- In case of the installation use floor sensor(s): the sensor(s) must be mounted alone in a separate conduit to avoid electrical perturbation. Check user guide for more explanation about regulation sensor possibilities.

GB



BEZPEČNOSTNÍ INSTRUKCE

Před započetím práce odpojte zdroj napětí!

- Veškeré elektrické instalace týkající se termostatu musejí být prováděny pouze při odpojeném zdroji napětí. Zařízení smí být zapojeno a spuštěno pouze kvalifikovanou osobou. Dodržujte platné bezpečnostní předpisy.

Termostat TFT můžete používat do výkonu 3600W (16A) přímo (obr. 1), pro vyšší výkon musíte instalovat externí silové relé (stykač) kvůli optimalizaci a dobré funkci regulace (obr. 2).

Návod k instalaci:

- Veškeré elektroinstalační trubky vedoucí ke krabici termostatu, které obsahují topný kabel nebo podlahové čidlo, musejí být zaizolovány tak, aby byl termostat chráněn proti proudu teplého vzduchu.
- Pokud zařízení využívá podlahové čidlo (čidla): čidlo (čidla) musí být instalováno v oddělené elektroinstalační trubce, aby se zabránilo elektrickému rušení. Nahlédněte do uživatelské příručky, kde naleznete podrobnější vysvětlení týkající se možností regulačního čidla.

CZ



SICHERHEITINSTRUKTIONEN

Vor Arbeitsbeginn ist die Spannungsquelle zu trennen!

- Sämtliche elektrische Installationen, die den Thermostat betreffen, können nur mit abgetrennter Spannungsquelle durchgeführt werden. Die Einrichtung kann nur von einer qualifizierten Person geschaltet und aktiviert werden. Gültige Sicherheitsvorschriften respektieren.

Der Thermostat TFT kann bis zur Leistung von 3600W (16A) direkt (Abb. 1) verwendet werden, für höhere Leistungen ist ein externes Kraftstromrelais (Schütz) wegen Optimalisierung und richtiger Funktion der Regelung zu installieren (Abb. 2).

Installationsanweisung:

- Sämtliche Elektroinstallationsrohre, die zur Dose des Thermostates führen und die Heizkabel oder Fußbodenfühler enthalten, sind so zu isolieren, dass der Thermostat vor Warmluftstrom geschützt ist.
- Falls die Einrichtung einen Fußbodenfühler (mehrere Fußbodenfühler) ausnutzt: der Fühler/ die Fühler ist/sind in gesondertem Elektroinstallationsrohr zu installieren um die elektrische Störungen zu verhindern. Ausführlichere Erklärungen bezüglich Möglichkeiten des Regelfühlers sind im Benutzermanual zu finden.

D



ИНСТРУКЦИЯ ПО ТЕХНИКЕ БЕЗОПАСНОСТИ

Прежде чем приступить к работе, отключите источник напряжения!

Все виды работ, связанные с электропроводкой термостата, разрешается выполнять только при отключенном источнике напряжения. Прибор присоединяется и вводится в эксплуатацию лиуом с надлежащей квалификацией. Соблюдайте действующие предписания по безопасности труда.

Термостат TFT самостоятельно можно использовать при мощности до 3600Вт (16А) (рис. 1), если мощность будет выше, потребуется встроить наружное силовое реле (контактор) для оптимизации и надежного действия регуляции (рис. 2).

Инструкция по установке:

- Во всех трубах с электропроводкой, ведущих к коробке термостата и содержащих нагревательный кабель или напольный датчик, должна быть предусмотрена такая термоизоляция, которая бы защищала термостат от потока горячего воздуха.
- Если прибор действует, исходя из данных напольного датчика (датчиков): датчик (датчики) должен быть помещен в отдельной трубе с электропроводкой, чтобы не создавать электрические помехи. Загляните в пособие для пользователя, где найдете больше информации, связанной с возможностями регулирующего датчика.

RU

L : Red or brown
L : červená nebo hnědá
L : Rot oder braun
L : красный или коричневый

N : Blue
N : modrý
N : Blau
N : блю

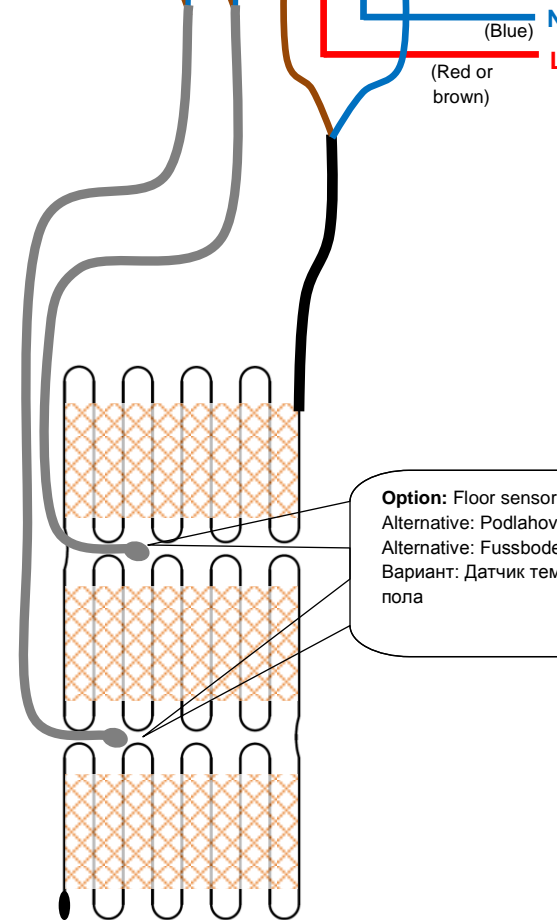
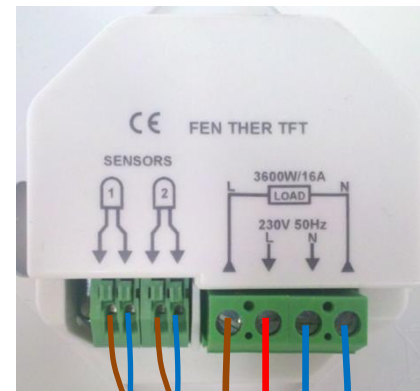


Fig1 / obr.1 / Abb1 / рис.1

GB/ One or more cable loops for a total power up to 3600W

CZ/ Jedna nebo více kabelových smyček pro celkový výkon do 3600W

D/ Eine Kabelschleife oder mehrere Kabelschleifen für die Gesamtleistung bis 3600 W

RU/ Одна или несколько кабельных петель при общей мощности до 3600Вт

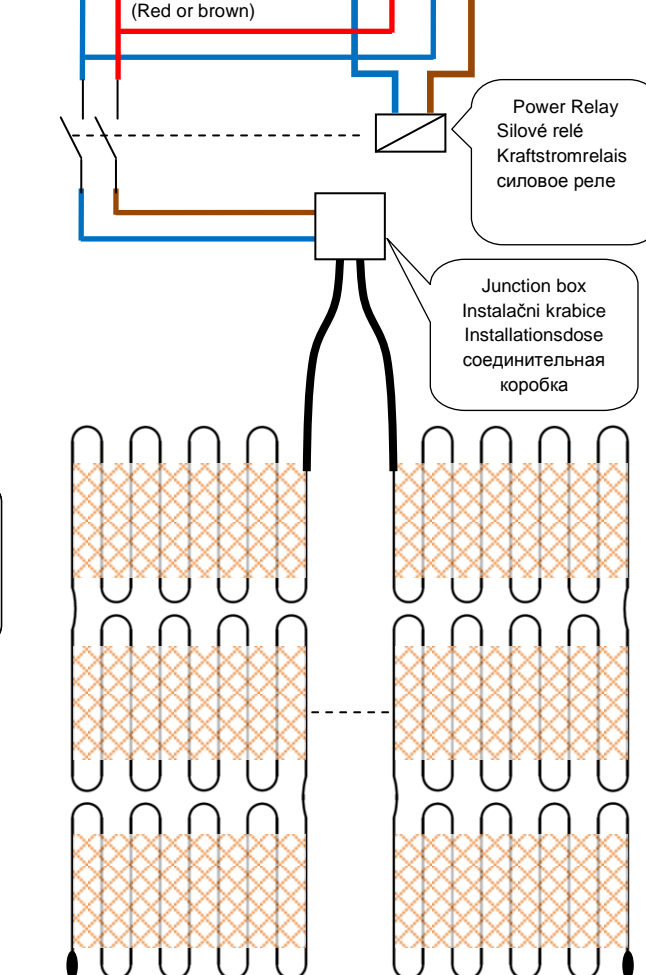
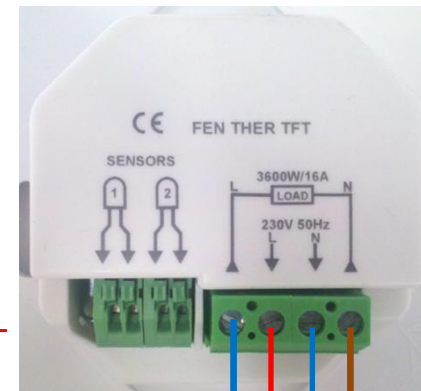


Fig2 / obr.2 / Abb2 / рис.2

GB/ Several cable loops for a power above 3600W

CZ/ Několik kabelových smyček pro výkon nad 3600W

D/ Mehrere Kabelschleifen für die Gesamtleistung über 3600 W

RU/ Несколько кабельных петель при мощности свыше 3600Вт