

TB Future T30

Controller



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TB Future T30 Smart Temperature Controller



TB FUTURE T30 temperature controller is a smart control unit specially developed for industrial electric heating blankets. TB FutureT30 collects the temperature, adjusts the signal of the sensor in the heating blanket and converts it into a digital signal to provide users with the current value and change process of various parameters on site in real-time, controlling various functions of the heating blanket temperature.

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Efficient, programmable control box unit with user friendly and safety features and a super-durable robust build for rigid conditions

1. Features

- Programmable heat stages set by timer
- Including auto-timed shutoff
- Anti-tamper setting
- Ramp up temperature to last setting (or 123°C) on turn on
- Sound alarm on turn on and first heat

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- Sound alarm warnings in over-temperature / higher than normal setting
- Easy to operate buttons that can be used while in gloves.
- Rigid military grade black box controller with clear white surface display
- Power on neon light safety indicator
- Easy user interface beginner-friendly design
- 3m UL cold (insulated) power plug



2. Controller Parameters

Power On Indicator	Yes
Maximum temp	300°C
Maximum Power Rating	7000W
Sound Alarm	At different stages
Auto Timed Shutoff	Yes
Anti-Taper Setting	Yes
Temperature Ramp	Yes
Constant temp button	Yes
Weight	0.2 Kg
IP Rating	IP65

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3. Dual Sensor Units



Dual Sensor Controllers feature double displays,

While the first sensor sets the temperature, the second sensor measures real-time temperature predicting the power needed to set the unit to the target temperature in real-time. It also acts as backup second sensor prolonging the unit's life.

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4. Safety Protections

- Over-temperature shut-off thermal protection fail-safe cuts off power when the temperature control system fails.
- Over-voltage shut-off. System automatically cuts off to protect the 220V thermostat and heating product when accidentally connected to 380V power supply.
- Safety Alarms: Audible settings and safety alarms warn users when unit starts heating, exceeds temperature threshold or approaches timer set time

5. Technical Data

Classification: Non-Hazardous

Sensor fault E1 Digital display

IP Rating IP65

Compatible with TB Future Heating Solutions

6. Performance indicators

Dimensions: 156*88*63mm

Power supply voltage: AC220V ($\pm 15\%$, 50Hz)

Power consumption: 3W

Power rating: 7000W

Environmental temperature: 0~50"

Relative humidity: less than 85% in non-corrosive gas environment

Input signal: PT-100 thermistor

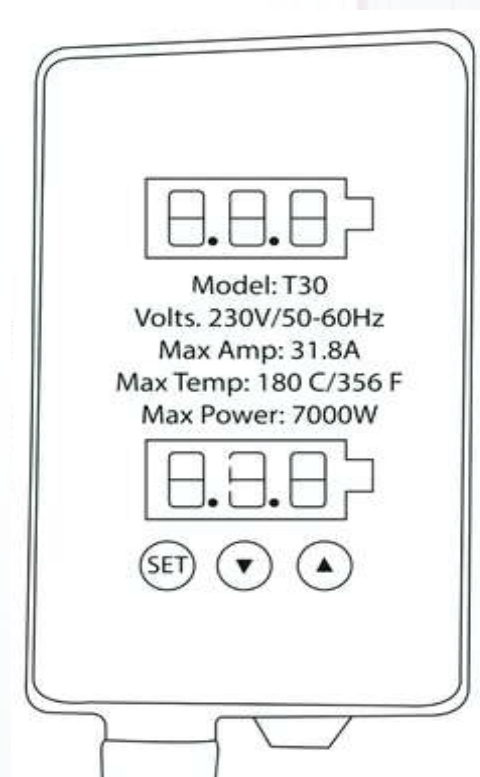
Display range: 0~200"

Resolution: 1"

Function key: **SET** used to select the window page and set different attribute values

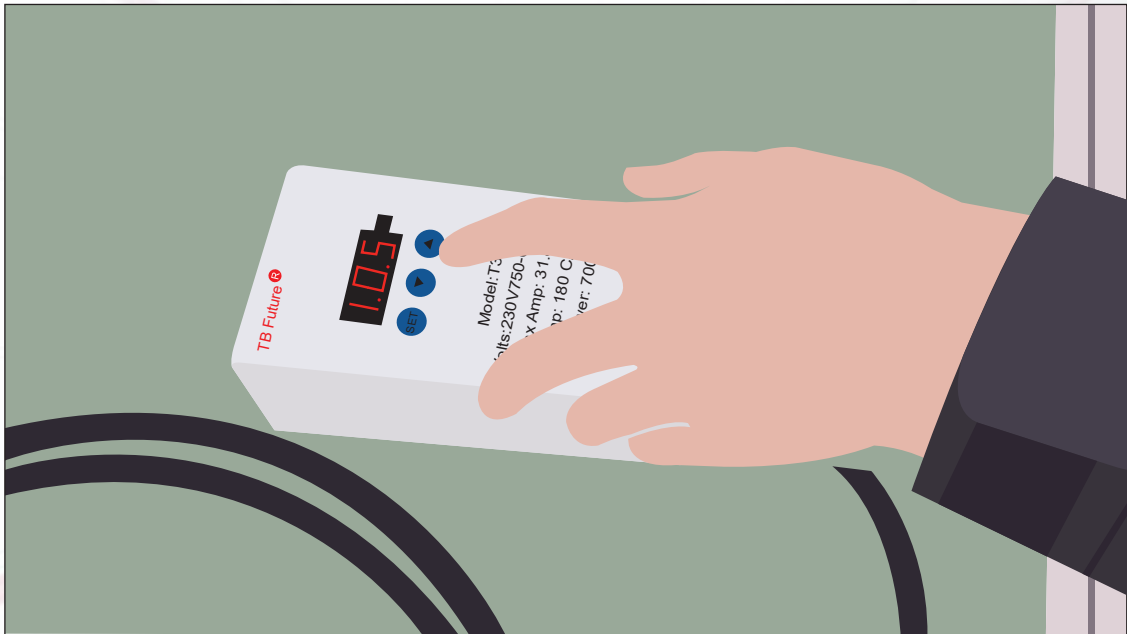
Add key: **▲** Used to set the heating threshold

Reduce key : **▼** Used to set the heating threshold



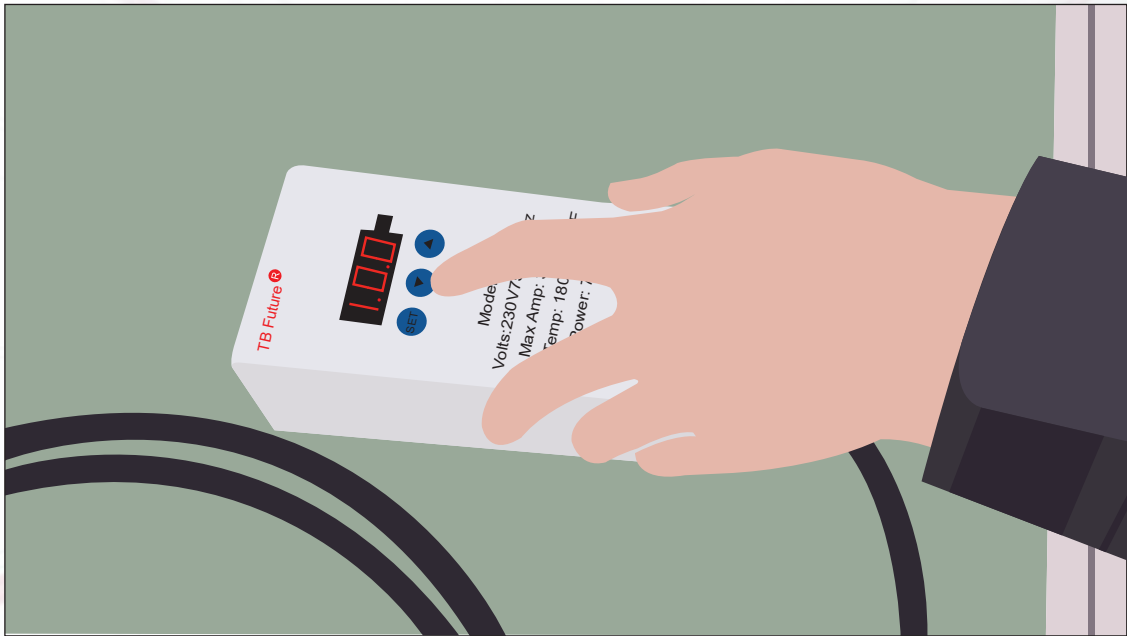
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How To Set Temperature



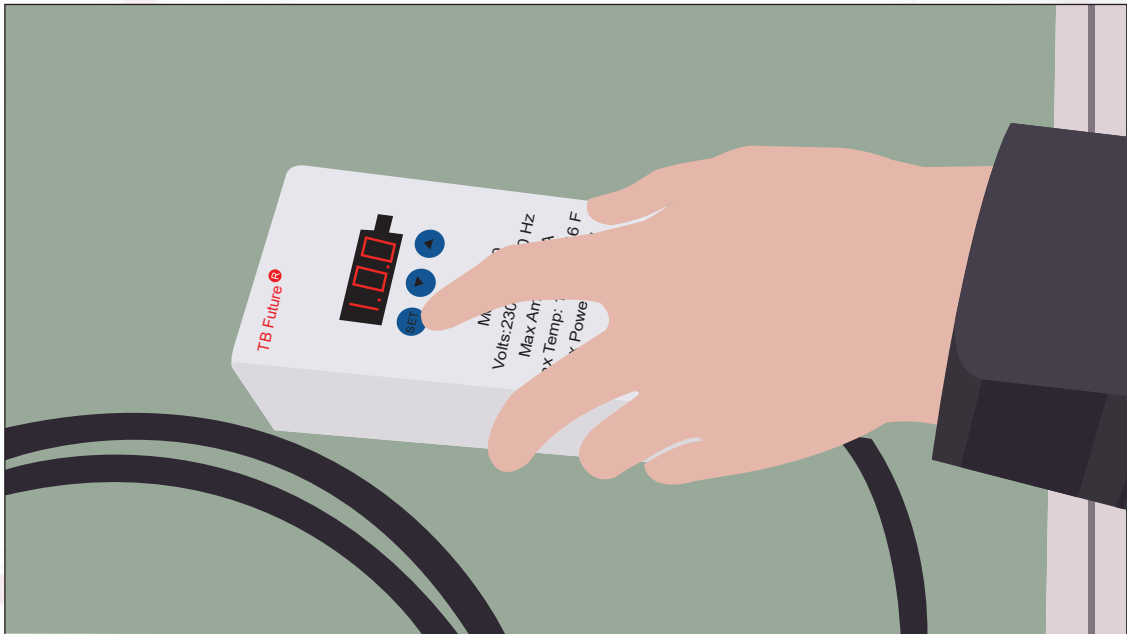
1. Press Hold UP

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or
Press Hold DOWN

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2. Press SET

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