

Cloverleaf Digital Thermostat _Special to be used for pet heating system



Digital Thermostat

General Description

Description

Cloverleaf digital thermostat has a quite new and modern design of touch-panel and bright LCD screen with an easy operation which is applied for temperature monitoring and controlling

Application

Thermostat is applied for pet house and pet pad.

Product Features

- Digital colorful LCD screen
- Touching-panel with good waterproof
- Touching-key to control
- Temperature transfer: Celsius/Fahrenheit
- Timer, the user could set the time to heat (Max. 12hrs)
- Recollection for power off
- Alarm for high temperature (Over-heating protection)
- Manual & automatic operation model
- Key-lock

Standard and Certification




This product is designed and produced in accordance with China national standards of GB16915. 1-97, GB2099.1-96 and GB1002-96; All technical data and product performances shall meet the requirements of CE certification.

Protection Funtion

Overheat Protection

Funtion:
Effectively prevent heat system overheated. The temp. could be set-up by the user from 35°C to 55°C (95°F~ 122°F). On heating condition, when the environment temp. is on or over the "Set-up Temperature" that is set by the user, the thermostat will be automatically closed. At the same time, a word "H0E" is continuously flashing on the screen till the temperature is 5°C (9°F) lower than the "Set-up Temperature" and the heating system re-start.

Touching-key Protection

Funtion:
Protect product from wrong operation. After set up condition, press  for 3 seconds and then enter key-lock condition. Under this condition, any pressing on the keys is unavailable unless re-pressing  for another 3 seconds. Pressing  for 3 seconds can also unlock the thermostat.

Operation

Set-up Temperature Unit

Function: The unit can be converted between C degree celsius and F degree fahrenheit.

Press **M** for 3 seconds and then start setting temperature unit. The word "TEMP" is flashing on the screen and then press **▲** or **▼** to set-up unit.

Temperature Correction

Function: Correct the temp. that is measured by sensor.

Press **M** for 3 seconds and then re-press **M** to start correcting temp. deviation. The word "COR" is flashing on the screen at that time. Press **▲** or **▼** to correct temperature. The corrective precise is $\pm 5^{\circ}\text{C}$.

Set-up overheat protection

Function:

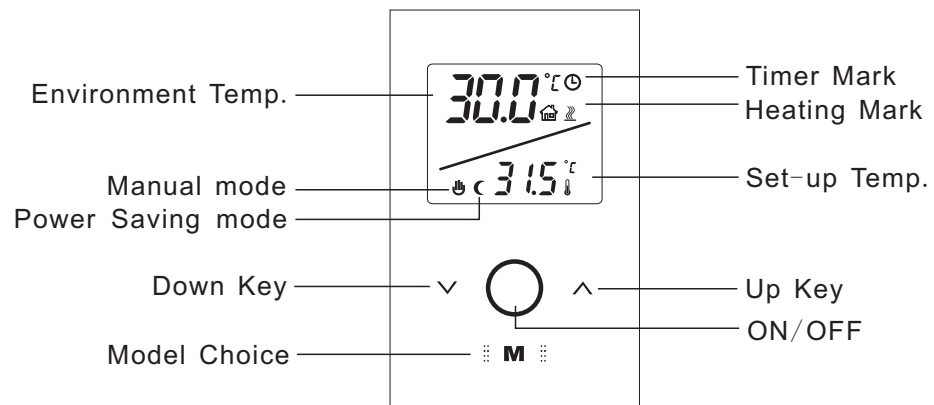
Set-up overheated protection temperature. Press **M** for 3 seconds and then re-press **M** to set-up overheat protection temp. The word "HOT" is flashing on the screen. Press **▲** or **▼** to set-up from 35°C to 55°C .

Set-up ON/OFF at regular time

Function:

Set-up ON/OFF at regular time. After the thermostat is shut off, press **M** for 3 seconds to set-up ON at a regular time (If the thermostat is on, press **M** for 3 seconds to set-up OFF at a regular time). Press three times to enter the condition of set-up. The word "TIME" is flashing on the screen. Press **▲** or **▼** to set-up the time from 0~12; 0 define this function unavailable; 1~12 define the ON/OFF time is 1~12 hours.

Touch-panel Explanation



Remark:

☀ On heating

🏠 Manual mode: The temp. to be set by the user

☾ Power saving mode: Economy operation model

Technical Data

Power Supply : 50/60HZ 110 ~ 240VAC

Temp. Scope : 15°C ~ 50°C (59°F ~ 122°F)

Temp. Precise : 1°C (1°F)

Overheat temp. scope : 35°C ~ 50°C (95°F ~ 122°F)

Usage Temp. : 0°C ~ 50°C (32°F ~ 122°F)

Storage Temp. : -10°C ~ 60°C (-40°F ~ 140°F)

Outline Size : W50mm×H110mm×D41mm

Self-consuming Power: <3W

Working Life: 100,000 touching times

Firesworks and Solutions

| Description | Analysis of Causes | Solutions |
|--|---|---|
| Background light doesn't work | <ul style="list-style-type: none"> -Wrong connection or bad contact; -Main switch or leakage protection Switch is shut off. -No zero line is connected to Equipment. | <ul style="list-style-type: none"> -Confirm the output line is correctly connected. -Turn on both switches; If still doesn't work, Check if it is leakage. -Connect zero line correctly. |
| Equipment is automaticly turned off. | <ul style="list-style-type: none"> - Unstable power or too much disturbing current. - Wrong connection. | <ul style="list-style-type: none"> -Stop using big disturbing equipment. Please contact local distributor. -Confirm correct connection. |
| Equipment cannot be turned off. | Load current is out of The rating current. | Reduce the power of load and then turn on; If still doesn't work, please change the drive part of product. |
| Touch screen is continuniously flashing. | <ul style="list-style-type: none"> - The touch screen is crushed; - The touch screen enter into Set mode. | <ul style="list-style-type: none"> - Change touch screen. - Wait untill it automaticly exit or Press related key long time to exit. |
| Room temp. Shows Err | <ul style="list-style-type: none"> - Bad connection of temperature Sensor. - Temp. sensor is destroyed. | <ul style="list-style-type: none"> - Check terminal of buttom case. - Change a new temp. sensor. |
| Too high sensitivity | N, L line are connected inversely. | Connect N, L line correctly. |