

## Thermostat Instruction

Easy touch Easy warm

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## INTRODUCTION



The d series is an intuitive programmable thermostat used to control electrical floor heating system or water heating system. It will keep home at comfortable temp whilst minimizing energy use.



## TECHNICAL SPECIFICATIONS

Supply voltage: 85-265Vac 50/60Hz

Standby power: < 1W

Max load: 16A(electric heating)/3A(water heating)

IP class: IP21

Cable specification:  $\leq 2.5\text{mm}^2$

# INSTALLATION

## Step 1:



Loosen fixing screw located in the bottom of the thermostat to get the front panel.

## Step 2:



Connect the thermostat according to the Wiring Instruction.

## Step 4:



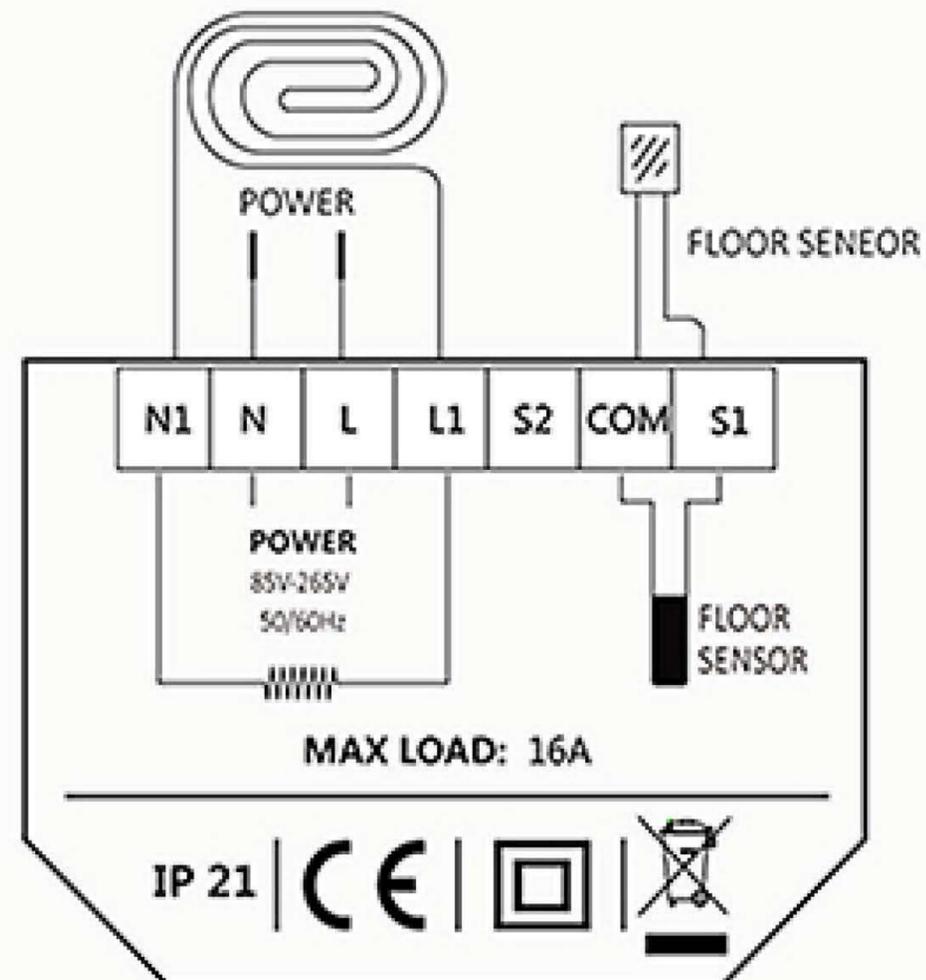
Align top part of front panel and back panel to fit these two parts. Then fix them with screw.

## Step 3:



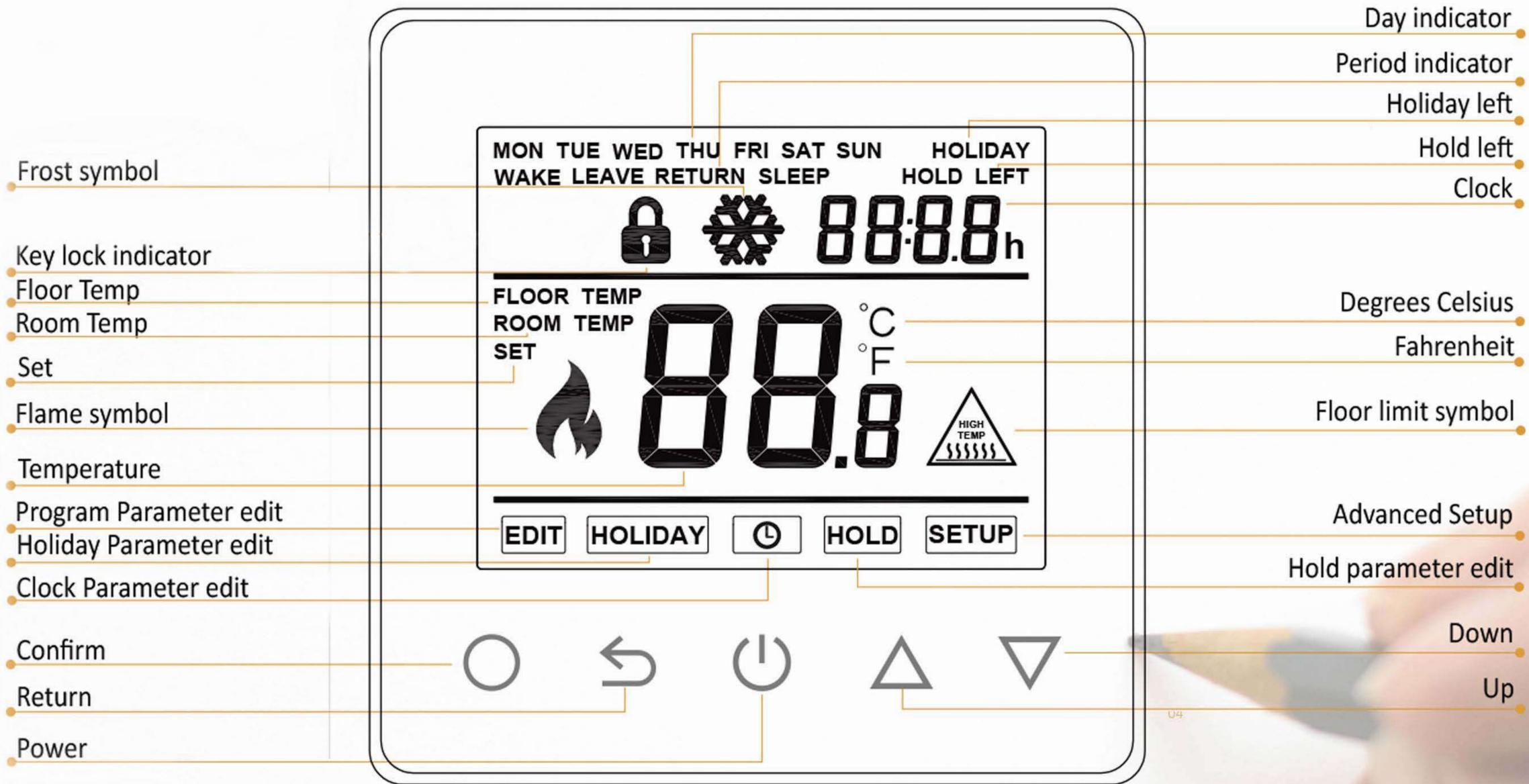
Insert the back panel into wall box with provided screws.

# WIRING INSTRUCTION



**Suggestion:** Please keep the max load around 90% of 16A to prolong the lifetime.

# THERMOSTAT SYMBOLS



# FUNCTION AND OPERATION

## 7.1 On/Off

Press  to turn On/Off.

**Note:** When frost protection is active, the thermostat will maintain the frost protection temp when it is Off.

## 7.2 Temporary Override Temperature

The temporary override temp is only valid at the current event and it will not be saved.

On the actual temp interface, press   to set temporary override temp.

Press  to confirm and back to the actual temp interface.

## 7.3 Key-Lock

Lock all keys to prevent the settings from being changed. On the actual temp interface, press and hold  for 3 seconds to lock or unlock all the keys.

## 7.4 Set the Time

On the actual temp interface, press  then the  will flash.

Press  to enter day setting.

Press   to set day.

Press  to enter hour setting.

Press   to set hour.

Press  to enter minute setting.

Press   to set minute.

Press  to confirm and back to the day setting interface.

Press  twice to back to the actual temp interface.

\* If the thermostat is WiFi version, it will update time automatically after connecting to WiFi.

## 7.5 Holiday Mode

In Holiday Mode, the thermostat will maintain the set temp until the holiday time ends.

On the actual temp interface, press  then the  will flash.

Press   to select **HOLIDAY**.

Press  to enter holiday days setting.

Press   to set holiday days.

Press  to enter temp setting.

Press   to set temp.

Press  to confirm and back to the actual temp interface.

\* Set the holiday days to zero or double press  to cancel Holiday Mode.

## 7.6 Hold Mode

In Hold Mode, The thermostat will hold the set temp until you cancel this mode.

On the actual temp interface, press  then the  will flash.

Press   to select **HOLD**.

Press  to enter Hold ON/OFF setting.

Press   to set Hold ON.

Press  to enter temp setting.

Press   to set temp.

Press  to confirm and back to the actual temp interface.

\* Set hold OFF or double press  to cancel Hold Mode.

## 7.7 Edit Setting

Edit Setting can set and change the parameters. If you don't choose Holiday Mode or Hold Mode. The thermostat runs according to the parameters of Edit.

On the actual temp interface, press  then the  will flash.

Press   to select **EDIT**.

Press  to enter day selection of Edit Setting.

Press   to select a day.

Press  to enter the event selection of the day.

Press   to select a event.

Press  to select event's starting time.

Press   to set the hour of starting time.

Press  to enter the minute setting.

Press   to set the minute of starting time.

Press  to enter the temp setting.

Press   to set the temp.

Press  to confirm and back to the event selection of the day.

\* Press  some times or double press  to back to the actual temp interface.

## Default parameters

Day	Wake	Leave	Back	Sleep
Mon-Fri	07:00 22.0°C	08:30 19.0°C	17:00 22.0°C	22:00 19.0°C
Sat/Sun	08:00 22.0°C	08:30 22.0°C	17:00 22.0°C	22:00 19.0°C

## 7.8 Advanced Setting

The thermostat provides advanced settings to suit various special situation. These are normally set by technicians during initial installation.

On the actual temp interface, press  then the  will flash.

Press   to select **SETUP**.

Press  to enter advanced setting.

Each setting can be accessed by pressing  and parameters adjusted by pressing  .

No.	Name	Default	Ranges
1	Room temp calibration	0.0°C	-5.0°C -- 5.0°C
2	Floor temp calibration	0.0°C	-5.0°C -- 5.0°C
3	Anti-frozen function	ON	OF(OFF) ON
4	Anti-frozen temp	5.0°C	5.0°C -- 15.0°C
5	Sensor selection	01: Floor sensor	00: Room sensor 01: Floor sensor 02: Both sensors
6	Floor temp limit	30.0°C	20.0°C -- 50.0°C
7	Temp unit	00: °C	00: °C 01: °F
8	Output delay	00: 00s	00: 00s 01: 30s 02: 60s 03: 90s
9	Temp deviation	01: 1.0°C	00: 0.5°C 01: 1.0°C 02: 2.0°C 03: 3.0°C
10	Reverse output	00: OFF	00: OFF 01: ON
11	Schedule	01: 5+1+1	00: 7 01: 5+1+1
12	Adaptive function	00: OFF	00: OFF 01: ON
13	Reset	00: No	00: No 01: YES

1. **Room temp calibration:** Calibrate the temp detected by room sensor.
2. **Floor temp calibration:** Calibrate the temp detected by floor sensor.
- 3&4. **Anti-frozen function:** This option allow you to bring warmth to your plant and pet with a lower temp.  
❄️ displays when you turn off the thermostat.

In hydronic heating system, it will keep away from freezing.

#### 5. Sensor selection:

- 00 Room sensor: Run by room sensor.
- 01 Floor sensor: Run by floor sensor.
- 02 Both sensors: Run by room sensor with floor temp limit.

6. **Floor temp limit:** If you choose both sensors, floor temp limit must be set to protect floor.
7. **Temp unit:** °C and °F can be selected.
8. **Output delay:** This option help you avoid inadvertent operation on heating.
9. **Temp deviation:** The deviation is 1°C. The thermostat start to work when the actual temp is 1°C lower than set temp and stop to work when the actual temp is 1°C higher than set temp.
10. **Reverse output:** This function works for the cooling system. When the temp is 1°C higher than set temp, the thermostat will disconnect the cooling system. otherwise, it will connect the cooling system.
11. **Schedule:** Select a weekly schedule for the Edit. There are 2 options:
  - 7: each day from Mon to Sun can be set individually.
  - 5+1+1: 5 days from Mon to Fri have the same events, Sat and Sun can be set individually.
12. **Adaptive function:** After several days of installation and use, Adaptive function ensures that the required temp has already been reached when the next event begins.
13. **Reset:** All parameters are restored to default values.

## 7.9 Open window detection

This function only works when room sensor or both sensors is selected. The thermostat with this function will shut off automatically for 15 min when the window opens, as it can detect that the room temp plummets.

# TROUBLESHOOTING

**E1:** Room sensor error.  
**E2:** Floor sensor error.

# DIMENSION(MM)

