Heating Room Thermostat
# Datasheet & Installation

Version

E-DRON series Heating Thermostat is applied for Water Heating System and Electric Heating System. We take high quality raw materials, and produce and inspect strictly so as to make products steady and precise. Simple shape and easy operation, E-DRON will be your best choice.

Specification

Power Supply	230 Vac ± 10%, 50/60 HZ	Load	Water Heating System	3A
			Electric Heating System	16A
Room Temp. Range 5~30 ℃ **Floor Over-heating Protection** 30~80℃		**Accuracy**	± 0.5℃	
Internal Sensor NTC 10K **Floor Sensor** NTC 10K		**Shell**	ABS+PC fire-resistant	

Do you need Holiday Mode?
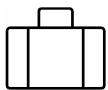
	When you are on holiday, want to be energy-saving meanwhile not to damage some equipment, please press M button to select ⬜, then thermostat can run at your desired setting temperature

Do you require Energy-saving Mode?

	When the room is up-occupied, user wants to make room comfortable but energy-saving, please press button M to select ☾, then thermostat can run at your desired setting temperature

Do you require Comfort Mode?

	When the room is occupied, users wants desired comfortable, please press M to select ☀, then thermostat can run at your desired setting temperature

Do you want to use Automatic Mode(7 days separately Programmable)

▦	Please press M to select ▦ , Normal Mode and Energy-save Mode will be changed over automatically according to 7 days settings.

How to set up Automatic Mode (7 days Separately Programmable)?

Every single ON/OFF pattern corresponds to 24 vertical squares of one day of week. Each square stands for one hour period. So, there is one On/off operation for each 60 minutes. Press ▦ for 3 seconds, enter into programming

0	1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22	23
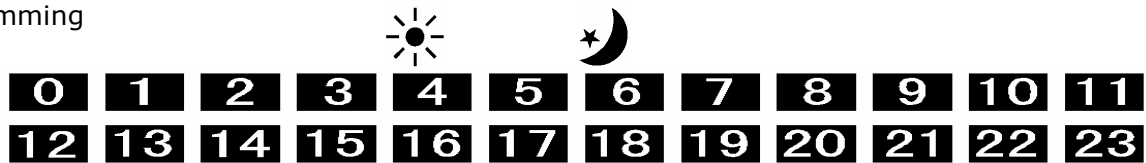
I. Press 🕐 to select week day, the top Numbers 1 to 7 is for Monday to Sunday.

II. Press ☀🌙 to select ☀ or 🌙 mode on your desired patterns.

III.Press ✛ ▬ to set periods corresponding to Modes

All settings will be stored after 5 seconds.

▣ **Clock correction**

Press 🕐 for 3 seconds, and set Minute-Hour-Week by ✛ ▬ .

All settings will be stored after 5 seconds.

▣ **Other setting**

Press M for 3 seconds

1. Temperature Calibration

-88	Range：-8□~8□ Press ✛ ▬ to increase and decrease temp.

2. Sensor selection

rS	rS is Room Sensor
FS	FS is Floor Sensor
rFS	rFS is Room Sensor and Floor Sensor(Floor sensor is for over-heating protection)

3. If you choose rFS,

FLOOR 🌡 50.0 ℃	Current Floor Temp displays on LCD

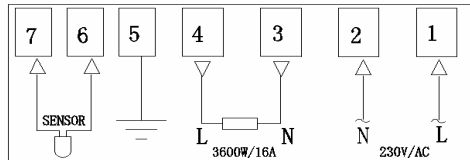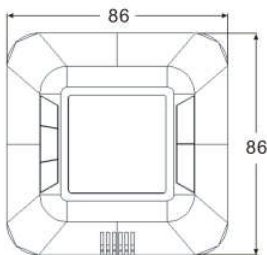|	
FLOOR SET ♨ 65.0 ℃	Setting Over-heating protection temp and will display on LCD. If the floor temp. exceeds over-heating protection set-point, **ALARM!** will be flickering and heating output will be cut off.

🖳 Wiring Diagram

7	6	5	4	3	2	1

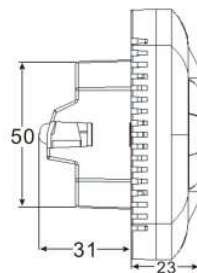SENSOR   L 3600W/16A N   N 230V/AC L

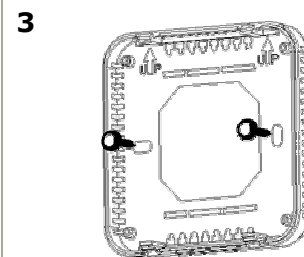| ⚠	**WARNING: RISK OF ELECTRICAL SHOCK.** Disconnect power supply before making electrical connection. Contact with components carrying hazardous voltage can cause electrical shock and may result in severe personal injury or death.

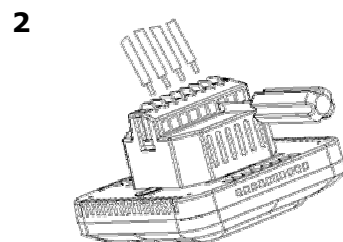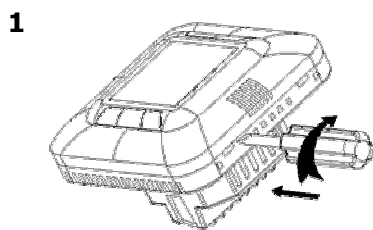## 🖳 Mounting & Installation

Front(unit:mm)	Thickness (unit:mm)	Mounting Hole (unit:mm)
86 × 86	50 / 31 / 23	60
1	**2**	**3**
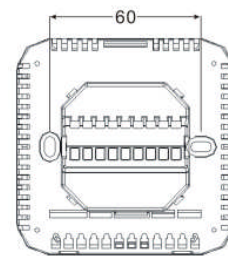
🖳 Order

Part No	Com.Rating Max 3A	Com. Rating Max. 16A	Room Sensor	Floor Sensor	Remark
E-DRON-3R	√		√		Water Heating System
E-DRON -16R		√	√		Electric Heating System
E-DRON -16RF		√	√	√	Electric Heating System