STRUCTURE & DESCRIPTION

STRUCTURE & DESCRIPTION FOR MODEL

Heating Tube
Side Reflection
Bottom Reflection
Oil tank

Safety Grille   Exhaust Duct
Back Reflection
Control Panel

Power code
(220-240V ~ only)

Control panel
Air suction hole
Electronic fuel pump
Fuel gauge
Fuel tank
overheating sensor (Automatic Recovery)
burner
Igniter
Flame sensor(CdS)
Tilt sensor
Fuel inlet
Fuel filter
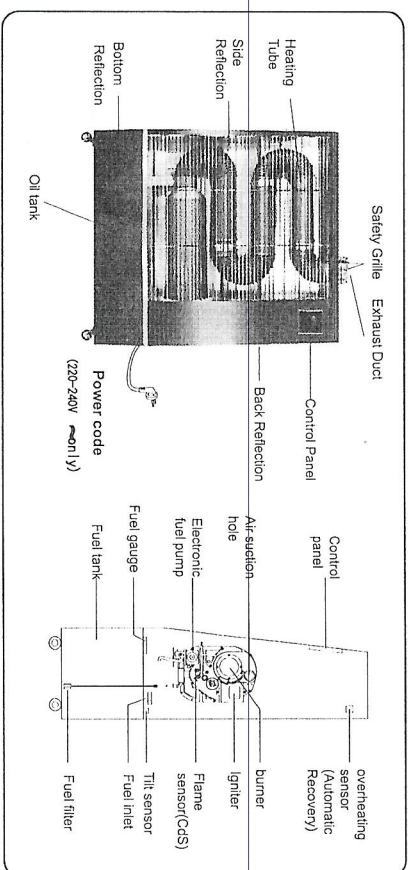
CONTROLLER

1. LED DISPLAY
It displays the status of temperature, time, operation, and error, etc.

2. TEMPERATURE CONTROL MODE
It is lighten at the temperature control mode.

3. TIME CONTROL MODE
It is lighten at the time control mode.

4. IR RECEIVER FOR REMOTE CONTROLLER

5. ON / OFF
Run and stop button

6. TEMP/TIME SELECTION BUTTON
To select temperature or time control mode.

7. UP/DOWN
To set or change the temperature or time.

8. LOCK
If you push this lock button for 3sec, the controller is locked. And if you push again for 3sec, this fuction is released.

9. TIMER
To select whether off timer mode is operated or not.

10. TIMER LED
To show whether off timer mode is operating.

11. MISFIRE
It shows the misfire on the burner.

12. OPERATION LAMP
It is lighten on operation.

13. FUEL GAUGE DISPLAY
It displays fuel remain in 3 steps.

14. OVERHEATING
It shows overheating status if the temperature goes up to 105c.

15. TILT SENSOR
It is turned on in case of inclination over 30deg. or an excessive motion is detected.

16. LACK OF FUEL
It shows the remaining fuel amount.

17. LOCK LED
When the machine is in the lock mode, the LED of this LOCK is lighten.

HOW TO USE

OPERATION & STOP

1. START WITH PRESSING "ON/OFF" SWITCH.
· Heater will be turned ON with "beep" sound, and automatically operated.
· If you wish to stop the unit press "ON/OFF" switch one more time.

2. SELECT THE DESIRED OPERATION TYPE USING "TEMP/TIME" SWITCH.

3. Set the time or temperature by pressing ▲▼ switch.
· You can set the desired temperature between "0~40℃."
· Set the desired time limit between 15min ~ UP → ON
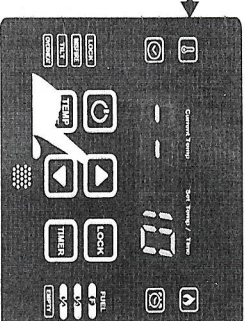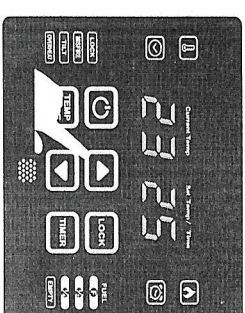
♣ Tip
· In order to be operated, the setting temperature should be higher than current temperature.
· After power On, the default mode is temperature control mode.
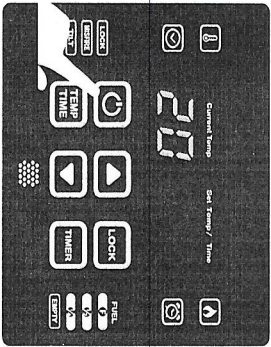· During the operation if you push On/Off button, the heater is stop and the off timer fuction is cancelled.
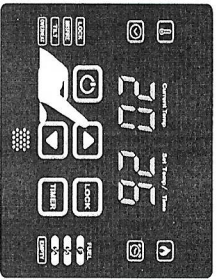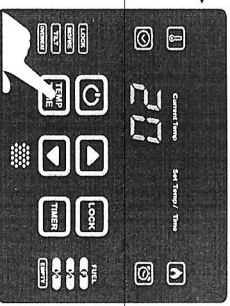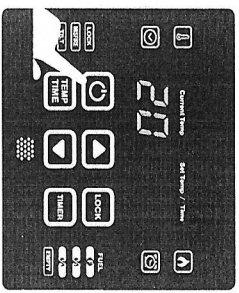
· The model equipped "pre-heater" is operating its heater for 1min. after burner ignition. By this device, the oil warms up before being supplied to the burner, which improve remarkably the ignition and inflammability.

The model equipped solenoid valve (by-pass device) makes the remaining oil returned to the oil tank. For 10sec. from the time of burner off, the solenoid valve is operation, which makes remaining oil returned to the oil tank, and by this device, the smell caused by unburned gas are remarkably shrunk.
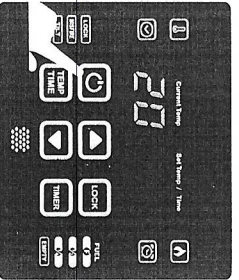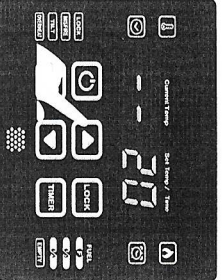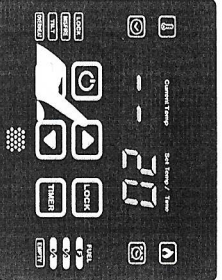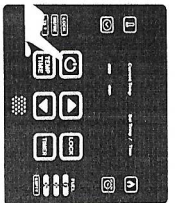
TEMPERATURE CONTROL

This mode enables the user set the desired temperature, and once it is fixed this heater works automatically with running and stop repeatedly to meet this temperature. (If power ON and Heater starts operation,the temperature control mode will be operated as default)

1. Push On/Off button.

2. By pusing Temp/Time button, please select Temperature control mode.
· At that time, Temperature control lamp is lighten.

3. By pushing '▼▲' button, please select desire temperature.
· The setting range : 0~40℃ · The default value : 25℃
· During the time you push ▼ or ▲, the setting temperature is increased/decreased very fast.
· The range of current temp display : -9~50℃

4. During operation, the current temp. and setting temp. both are displayed, and if you push On/Off button and make the operation stop, only current temp. is shown.

5. When the setting temp. is higher than 2℃ than current temp., it starts operation, and the setting temp. is less than 1℃ than current temp., the operation is stop.
· Current temp.< Setting temp. … Opeartion (+2℃)
· Current temp.> Setting temp. … Opeartion stop (-1℃)

Cur Temp 26   Set Temp / Time 25

♣ Tip
· The current temp is less than -9℃(16℉), the dispaly of the temp. is 'LO', and more than 50℃(99℉) it dispalys as 'HI' (50℃ is not same value as 99℉, actually 37℃ is same value as 99℉)
· The setting temperature is increased/decreased 1℃ by pushing of (▲/▼) button, if you push the button more than for 2sec. the value is increased/decreased 1℃ in 0.2 sec.
· If you push ▲and▼ button for 5sec. simultaneously, the unit is converted from ℃ to, ℉ or from ℉ to ℃ (The defaulte unit is ℃)

TIME CONTROL

1. Push On/Off button.

2. By pushing Temp/Time button, please select Time control mode. At that time, Time control lamp is lighten.

3. By pushing '▼▲' button, please select desire repetition time. When you increase or decrease the repeation time by pushing '▼▲' button, the time is blinking, and if you don't push button for 3sec, this displayed blinking time is set as 'Repetition time'. At that time, the former Repetition time is automatically erased.

4. At the opertion mode, the opaertion simbol and repetition time both are displayed, and when you make Off by pushing On/Off button, STOP simbol (—) only displayed. When the heater is in 'Interval Pause Time', STOP symbol (—) and repetition time both displayed.

-- 20
Repetition time 20 means, every 20min. Operation and 5min. Pause

5. The repitition time can be set from 10min. to 55min. The opeartion is as much as setting time, and 5min. pause time, which is repeated. When you increase one more from max. time 55min. It goes to 'Constant opeartion'. This means, without pause time, the opration is constantly made.

Repetition time cycle can be set from 10min. to 55min.

Start | Operation for 20min. | Stop for 5min. | Operation for 20min. | Stop for 5min. | Operation for 20min.

-- 20
In case of setting the repetition time as 20min.

Constant operationer status