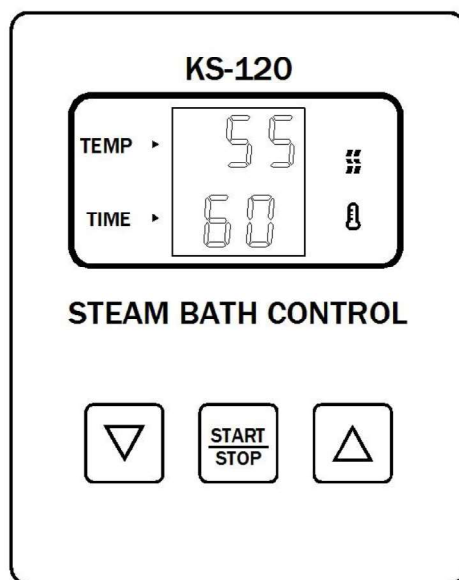


STEAM BATH CONTROL

KS-120 KS10



INSTRUCTIONS MANUAL

WATERPROOF CONTROL PANEL KS-120 / KS10

FUNCTIONS AND OPERATION

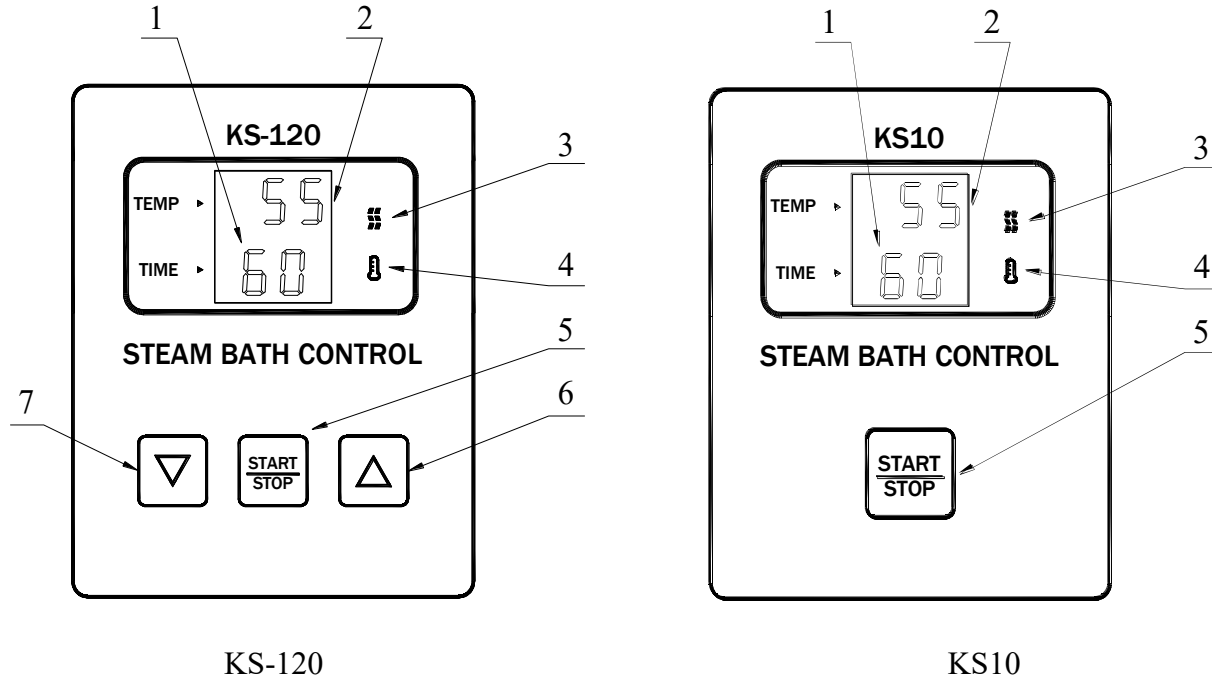


FIGURE 1

1. Steam Cycle Time Display 2. Temperature Display 3. Heat indicator 4. Temperature Preserving Indicator 5. ON/OFF Button 6. Temperature Increment Button 7. Temperature Decrement Button

CONTROL PANEL DISPLAY (Refer to FIGURE 1)

Temperature: The upper LCD will display the room temperature measured by the temperature sensor in the range of 43F-140F



Steam Cycle Time: The lower LCD will display the remaining steam cycle time. The factory default setting is 60 minutes.

FUNCTION BUTTONS AND OPERATION



ON/OFF BUTTON: To switch on and off the steam generator.



Press  can switch on the steam generator. Press  again will shut down the steam generator, and the generator will drain out water automatically if auto-drain system is applicable.



UP BUTTON: Increase the temperature.



DOWN BUTTON: Decrease the temperature.

AUTO FUNCTIONS

AUTO FILLING: Steam generator will fill in water automatically when needed. If any fault of the water supply system occurs, all heating elements stop working and lower LCD displays “-E”.

SEGMENT-HEATING FUNCTION: Only the necessary heating elements will be activated to save energy.

INSTALLATION OF CONTROL PANEL AND TEMPERATURE SENSOR

CAUTION

- The control wire and temperature wire should not be parallel to or intersect with power wire.
- Control Pad can be installed outside or inside the steam room where is easy to operate.
- The temperature sensor should not be installed near the door, or ventilation fan, it should not to be installed on the ceiling either.

The controller should be installed with height of approximately 4 ft outside or inside the steam room where is easy to operate.

Firstly, drill a 2 in. hole at the installation site. Pull the control wire and temperature sensor wire through the conduit and then connect to the black connector (6 Pin) with the provided 15ft control cable while connect the temperature sensor to the black connector (2 Pin) on the panel. The controller panel can be glued to wall by the attached double-sided adhesive or apply silicon glue at the back of panel if needed (please refer to FIGURE 2). Finally open the installation hole on the cover of the generator, lead the wire on the back of controller through the installation hole, plug the wire into the socket on the main board (refer to figure 3).

Temperature sensor installation.

The temperature sensor is used to measure the temperature inside the steam room, so that the generator can work automatically according to the pre-set temperature and maintain the room temperature.

The installation height of the sensor should be at least 4-5 ft. above ground, but below the ceiling and avoid the door or ventilation fan (please refer to FIGURE 4). Drill a hole (diameter 16mm or 5/8"), pull the sensor wire through the hole and connect the wire to the control panel (refer to FIGURE 2). Last step is to fix the sensor inside the steam room (Refer to FIGURE 5).

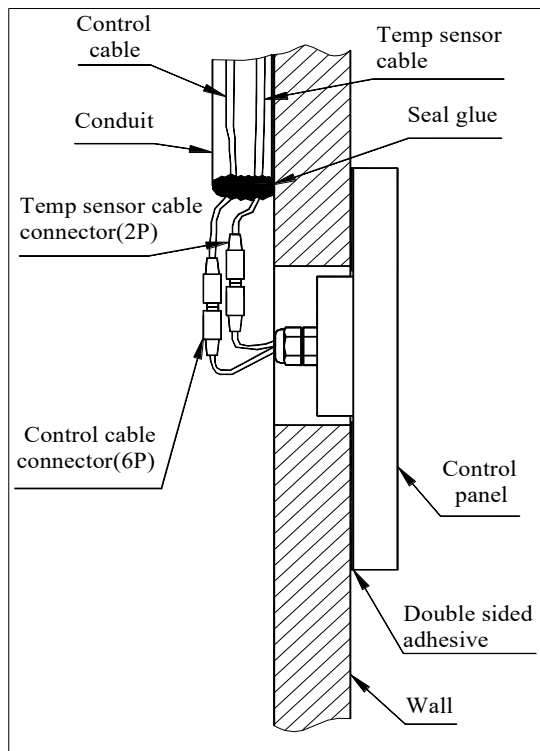


FIGURE 2

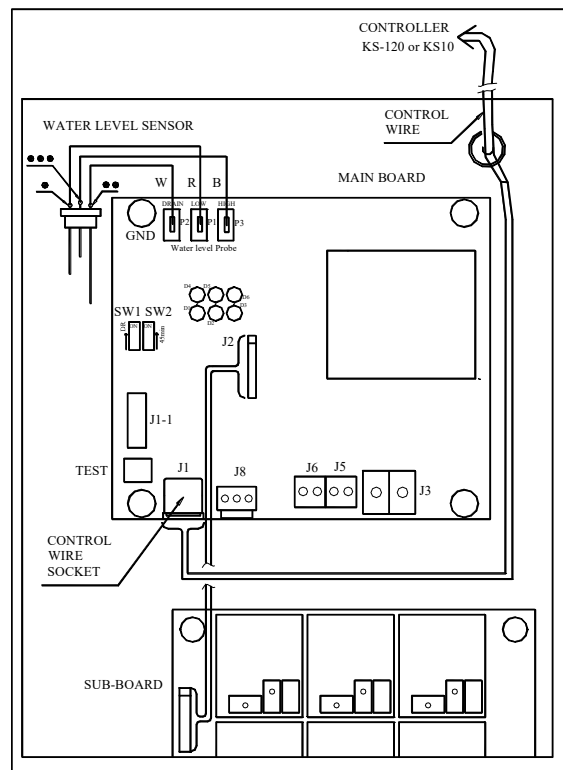


FIGURE 3

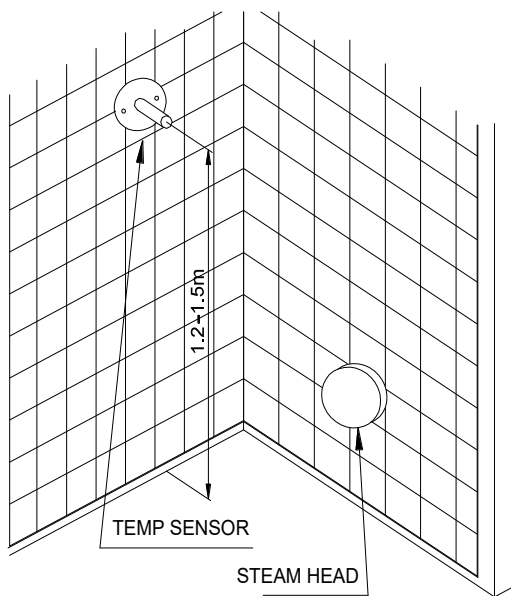


FIGURE 4

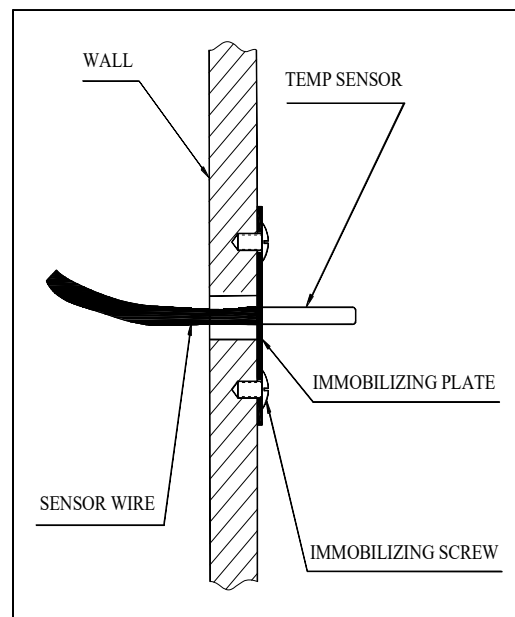


FIGURE 5

HINT MESSAGE

- Temperature is lower than 43F (6°C): LCD displays “-**L**”, detected by the temperature sensor.
- Temperature is higher than 140F (60°C): LCD displays “-**H**”, detected by the temperature sensor, the cycle will stop automatically.
- Water supply fault: LCD displays “- **E**”. This message appears when the water level is lower than the minimum required level 10 minutes after the system is started; and the water inlet valve is opened, or the water level is lower than the desired level 3 minute after the water supplementing order is given. All heating elements will turn off automatically.
- Connection error: LCD displays “**EE**” showing any connection error between the controller and the main PCB.