

SICAK EK-D DIGITAL COMBI HEATER INSTALLATION AND USER MANUAL

INSTALLATION:

DEVICE INSTALLATION

The EK-D Electric Digital Combi Heater comes with 1 unit in the box package. Inside the device, you will find the User and Installation Manual, Device Electrical Connection Diagram, Device Water Installation Connection Diagram, and Digital Thermostat Usage Diagram.

1. Take the device out of the box and review the user manuals and connection diagrams.
2. Mount the device on the wall where your water installation is done.

ELECTRICAL CONNECTION INSTALLATION FOR EK-D DIGITAL COMBI DEVICE

1. Run a 3x4 mm² NHXMH cable from your home or workplace's electricity meter to the device.
2. Install a 1x40 A B type circuit breaker at the device's input.
3. Pass the cable through the cable gland at the bottom of the device.
4. Connect the cable to the porcelain terminal block inside the device.
5. Connect the cable of the circulation pump, which you have installed in the water installation, to the existing outlet at the bottom of the device.
6. Ensure that the voltage coming to the device is within the range of 220-230 V. A low voltage can cause the digital thermostat and the heater inside the tank to malfunction. It can also reduce the desired heat level.

WATER INSTALLATION CONNECTION FOR EK-D DIGITAL COMBI DEVICE

1. Connect the inlet and outlet pipes of your pre-existing or newly installed water installation to the inlet and outlet pipes of the device. Ensure that the automatic air vents, circulation pump, and expansion tank shown in the plumbing diagram are connected.
2. Pressurize the radiator system with 2 bars of water and make sure there are no water leaks in the system.
3. Bleed the air from the water installation system. Any air in the system can prevent the radiators from heating up and can cause the heater inside the device to burst.

OPERATING THE EK-D DIGITAL COMBI DEVICE

1. Before starting the device, make sure that the air in the water installation has been bled and that 2 bars of water have been given to the system.
2. Turn the 0-1-2-3 step switch on the side of the device to the "0" position.
3. Press the on-off switch on the side of the device to start the device.
4. Make sure the pump in the water installation is working.
5. After pressing the on-off switch (and the pump is working) for 3 minutes, turn the step switch to the "1" position. The device will operate at half power.
6. After 1 minute of setting to "1", turn the step switch to the "2" position. And "3" position.
7. Your device is set to 45 degrees on the digital thermostat on the device. If you want to increase or decrease the temperature, press the "SET" button on the digital thermostat, use the up-down arrow buttons to reach the desired temperature, and press the set button again. (Digital thermostat user manual is available inside the device.)

Your device is now operational.

TURNING OFF THE EK-D DIGITAL COMBI DEVICE

1. Turn the step switch on the side of the device from the "2" position to the "0" position.
2. Turn off the system by switching the on-off switch to the "0" position.

IMPORTANT POINTS TO NOTE

- 1. Never operate the device without water. Operating without water may cause the resistance inside the tank to burst.**
- 2. Always keep the device cover closed during and after operation.**
- 3. Ensure there is no air in the system when operating the device. Air in the system can prevent the desired heat from being achieved and may cause the heater to malfunction.**
- 4. Ensure that the automatic air vent, expansion tank, and circulation pump are installed in the water system.**
- 5. Do not change the digital thermostat settings on the device other than the temperature increase and decrease settings. Otherwise, changing the settings may increase electricity consumption.**