Description

The invention relates to a portable water heater.

Conventional portable water heaters uses knobs to change the temperature of the showering temperature.

In accordance with the present invention, it does not provide or display a definite showering temperature. Hence the user does not know at what temperature the user is showering in. It also does not have any profile settings in which a user can distinguish his/her temperature from one person and another.

By providing a display in which a user can see at what temperature the user is showering in, he will know if that temperature is too warm or cold for the user's

preference. And by having the ability to set profiles, it is easier to distinguish a persons profile from another and not intrude another user's settings/profiles.

Figure 1 shows a schematic block diagram of a user on how to set his/her profile and operation of the portable water heater

Figure 1 shows a schematic block diagram on a user setting his/her desired temperature. Power is switched on from the water heater. Select the desired button or knob first to indicate the user's profile button eg,(number 1 or by colour, yellow). Then press and hold for a few seconds. The LCD or LED screen will start blinking. Choose desired temperature and then depress the button/knob again for a few seconds. Each time that button/knob is pressed, the temperature will be set at that temperature.

The temperature is detected by a device that detects the water flowing out and displays the temperature at the LCD/LED screen. It has a safety thermal cut-out which

cuts the electricity supply if the desired

temperature has been attained. There is a scald guard thermostat that limits how hot the temperature coming out should be.

Once the desired temperature is set/profiled, the water heater will continuously maintain that temperature until the user finishes his/her showers.

CLAIMS

1. A portable digital temperature control for water heater that has an LCD/LED screen or screen that shows the temperature of water that is coming out from the water outlet/pipe/socket and the ability to store profiles of temperatures depending on preferred temperature.

2. A device, according to claim 1 that detects the temperature of the water

3. A device, according to claim 2, wherein a memory control device is activated when a button is pressed for a few seconds and temperature will be preset and the heater will heat the water to that temperature.

4. A program, according to any of the preceeding claims, to store the desired temperature.

5. A device, according to any of the preceeding claims, to relay the desired temperature to the LCD/LED screen.

6. A device, according to any of the preceeding claims, which will heat up the water to the desired temperature.

7. A device, according to any of the preceeding claims, which release the water to the hot water outlet.