Control Panel Layout

The control panel consists of 1 LCD screen, 6 buttons and 2 LED indicators.

Buttons:

ON/OFF - Turns Heater to Standby/On/Off/Emergency Off.

HEAT - Mode Selection - Heating or Ventilation Fan.

AUTO - When ON, heater runs to set temperature, when OFF the heater runs to fan speed setting.

PLUS - When in AUTO mode, increases set temperature. When not in AUTO mode, increases fan speed.

MINUS - When in AUTO mode, decreases set temperature. When not in AUTO mode, decreases fan speed.
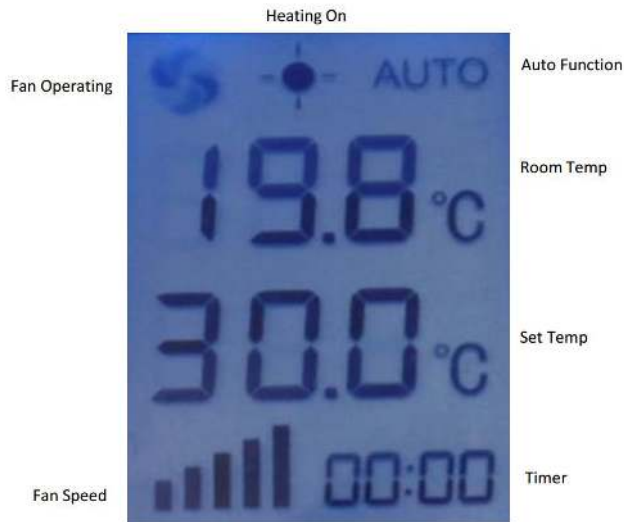
TIME - For setting countdown timer.

LED's:

Left side - Two colour indicator, red is alarm, blue is ventilation mode.

Right side - Green - Heating when lit.

LCD Display

Rotating Fan Icon - Fan is operational.

Blinking Sun Icon - In Heating Mode.

Auto - Set temperature mode.

Temperature Readout(upper) - Displays ambient temperature/room temperature.

Temperature Readout(lower) - Displays set temperature.

Bar Graph Icon - Fan speed.

Time Display - 24-hour countdown.

Instructions on Operation

To turn Heater on:

Press ON/OFF for 2 seconds until buzzer beeps. Then LCD illuminates and Temperature Readout(upper) shows the current temperature.

To turn Heater off:

Normal Shutdown: press ON/OFF for 2 seconds until buzzer beeps. The system is ready to shut down now. If the fuel pump is still working, the system will enter into clean mode (Green LED flashes twice quickly) and shut down when clean mode is over; if the internal combustion temperature is over safety level, the system will enter cooling fan mode and shut down when it's over.

Forced Shutdown: the can be forcibly shut down by pressing ON/OFF for 15 seconds. This is not the recommended method of shutdown - Heater will require additional maintenance and potentially cause internal heater damage if used repeatedly.

Alarm Shutdown: if alarm occurs, press ON/OFF for 5 seconds and the alarm will turn off (Blue LED still in operation).

Ventilation and Heating Modes:

The Heater will first enter Standby mode when it's turned on (No rotating Fan Icon, No Sun Icon and no operation of heater fan). Ambient Temperature, Set Temperature and Bar Graph Icon shows current fan speed setting.

- In Standby mode, press ON/OFF and the system will enter Ventilation mode. The fan speed is based on the fan speed setting. Rotating Fan Icon displays and LED lights up blue.

- In Ventilation mode, press HEAT Button and the system will enter heating mode. Blinking Sun Icon displays and Blue LED goes out. Green LED turns on.

- In Ventilation mode, press ON/OFF and the system will go back to Standby mode. The fan stops running, Rotating Fan Icon disappears and Blue LED goes out.

- In Heating mode, press HEAT Button and the system will go back to Ventilation mode. If the fuel pump is still working, the system will first enter clean mode, and then Ventilation mode. Green LED goes out, Blue LED is lit.

Fan Speed Adjustment:

While not in AUTO mode, press PLUS to increase fan speed (5 is maximum and Bar Graph Icon will show five bars); press MINUS to lower fan speed (1 is minimum and Bar Graph Icon will show one bar).

- In Auto mode, there is no fan speed adjustment - this is taken care of automatically.

Auto Mode:

- Press AUTO to start or stop Auto mode.

- In Auto mode, the display shows AUTO, and the system automatically adjusts Fan speeds as required.

- In Auto mode, press PLUS button to increase Set temperature.

- In Auto mode, press MINUS to lower Set temperature.

LED Indicators:

- Blue LED ventilation mode.

- Green LED: heating mode, turns off after heater is operation.

- Red LED: alarm mode, and a fault code appears in place of Set Temperature Readout.

- Green LED flashes quickly: the internal temperature of heater is too high (cooling mode starts).

- Green LED flashes slowly: heating mode (fuel pump starts to work).

- Green LED flashes twice quickly: clean mode.

- Green LED flashes once: heater in second start-up mode.

Countdown Timer:

In standby mode, press TIME Button to set the countdown timer (hour part flashes). Press PLUS or MINUS Buttons to adjust "Hours". Press TIME Button again (minute part flashes), and then press PLUS or MINUS to adjust "Minutes". Now press TIME Button again and the system will start to count down. When Timer turns 00:00, the heater will start.

In heating mode, press TIME Button to set a fixed time to stop heating (method same as above). When Timer turns 00:00, the system will go back to standby mode.

- In any mode, if users set timer 00:00, the timing will be cancelled.

Please visit www.warmda.com.au/digital-contoller-instructions/ for these instructions in a more visual mode.

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