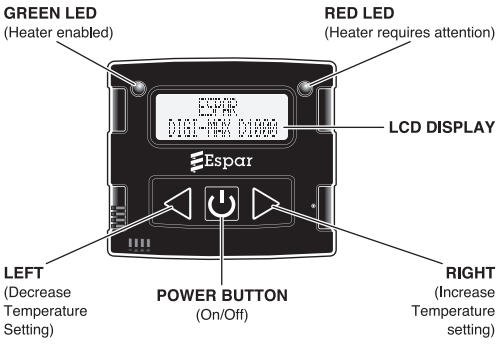
Digi-Max D1000
OPERATION CARD Quick Reference

Espar



Start UP

Press the ⏻ key and the screen will display:



Green LED will illuminate indicating heater is running.

Adjusting the Temperature

Pressing the ◁ or ▷ keys will alter the desired temperature as shown in the display. Temperature setting can be adjusted at any time. Adjustment range is from 48°F to 93°F (8°C to 34°C).

Stopping the Heater

The heater may be switched off anytime by pressing the ⏻ key. A heater cool-down cycle of 5 to 8 minutes will then be initiated.

Diagnostic Read Outs

This controller has a real time diagnostic feature, and will automatically display fault codes as they happen (e.g. 48 –Check Fuel Pump!) and a Red LED light will Illuminate.

Tips for Reliable Heater Operation



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Preventive Maintenance

When heater runtime hours reach the value chosen (Maintenance Period Settings), maintenance required will be displayed on the LCD when heater is OFF.



The PM and Fault Code warnings will not prevent the heater from operating, but reflect conditions that should be addressed promptly. The warning display will disappear once the technician has reset the hours after performing the required maintenance or repairs.

Common Codes

Fault-Code 00 – Normal Heater Operation: Heater is functioning properly, no faults have been detected.
Fault-Code 11 – Under-Voltage Shutdown: Start the engine to recharge the Batteries. If the condition persists have the heater's primary Power & Ground wires inspected for corrosion or damage.
Fault-Codes 12 and 13 – Overheat Shutdown: Check to ensure that there are no obstructions or blockage of the heater's air ducting system (Hot-Air Outlet and/or Cold-Air Inlet) and that no heavy objects are lying on top of the heater's plastic housing.
Fault-Code 52 – Non-Start Shutdown: Ensure there is adequate fuel in the vehicle's fuel tank. Check the heater's exhaust pipe and combustion air intake for possible obstructions or blockage. Attempt a Heater restart (maximum of 2 attempts). If the heater still fails to start contact your service center or local Espar dealer.

If you experience frequent "Low Voltage Stop" situations, check the vehicle's battery and charging circuits and heater harness connections. If all are good, adjust the LVD settings of the Digi-Max to a lower voltage setting and retest.

For all other Fault-Codes please contact your service center, local Espar dealer, or refer to the appropriate service manual.

Regularly take time to observe the Espar heater, ducting and piping to ensure they are free of restriction or damage.

Espar Products, Inc.
www.espar.com
800-387-4800