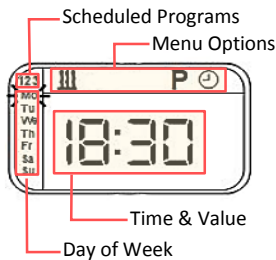


**GC0680
DIGITAL TIMER
FOR COOLANT
HEATERS**



1. LCD DISPLAY LAYOUT

Timer LCD is comprised of several distinct segments, such as Menu Options, Day of Week, Scheduled Programs and Time & Value field.



2. SETTING TIME AND DAY OF WEEK

Using [**<**] and [**>**] keys, navigate to **Clock Icon** and press **Ok**.



Days of Week segment lights up. Select current day using [**<**] and [**>**] keys and press **Ok**.



Hours segment begins to flash. Set hour (military time, 0-23) using [**<**] and [**>**] keys and press **Ok**.



Minutes segment begins to flash. Set minutes using [**<**] and [**>**] keys and press **Ok**.



Day of week and time are now set.



3. MANUAL HEAT MODE

Using [**<**] and [**>**] keys, navigate to **Heat Icon** and press **Ok**.

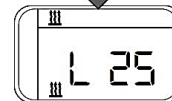


Heating Mode started.

Select cycle duration between 15 and 99 min using [**<**] and [**>**]



Press **Power Button** to exit manual heating mode. Heater will cool down and stop.



Please note, it takes approx. 2-3 minutes for the heater to start heating or to come to a full stop.



4. HIGH ELEVATION MODE

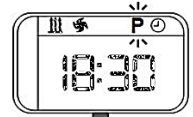
When heater is used at elevations between 1500m and 4000m above sea level, heater should be operated in **High Elevation Mode** to make sure enough oxygen is provided for efficient combustion of fuel.

To toggle **High Elevation Mode**, press [**<**] and **Ok** buttons simultaneously while in heating mode. This works in both **Setpoint** and **Variable Heat** modes.

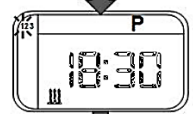
It is not recommended using the heater at more than 4000m above sea level.

5. SETTING SCHEDULED OPERATION

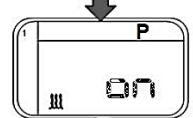
Using [**<**] and [**>**] keys, navigate to **Program Icon** and press **Ok**.



Program Number segment lights up. Select program number using [**<**] and [**>**] keys and press **Ok**.



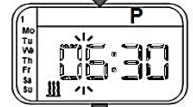
Program Status screen comes up. Select **On** to enable or **Off** to disable the program and press **Ok**.



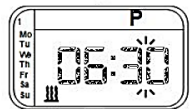
Program Duration screen comes up. Select cycle duration between 50 and 800 minutes and press **Ok**.



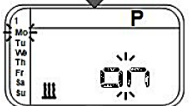
Program Start screen comes up. Select start time hour (military, 0-23 hours) and press **Ok**.



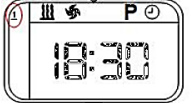
Select start time minutes and press **Ok**.



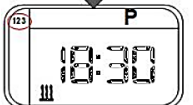
Day of Week screen comes up. Scroll through every day of the week and select On or Off as needed.



The program is now set.



To set programs 2 and 3 repeat the process, changing the program number in step 3.



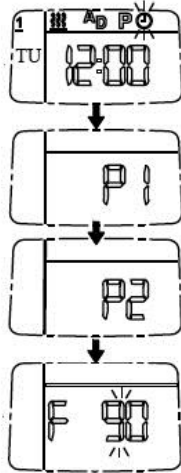
6. FUEL LINE PRIMING

This function enables fuel pump for a short period of time to help get rid of air inside the fuel lines after initial installation or if the fuel tank ran out of fuel.

It is recommended to disconnect the fuel line from the heater before using this function to avoid flooding of the heater.

Refrain from using this function and refer to the nearest dealer or experienced mechanic for help if you don't feel confident doing this.

Using [**<**] and [**>**] keys, navigate to **Clock Icon** and press [**<**] and [**>**] keys simultaneously.



P1 should appear on the screen.

Using [**<**] or [**>**] key, change P1 to P2 and press **Ok**.

Fuel pump starts pumping.

Pump will prime at frequency of 2.5Hz and stop after 90 seconds.

During this period, fuel pump should deliver 15.5 ml of fuel.

Use any key to stop the pump and exit **Priming Mode**.

7. READING AND CLEARING ERRORS

Digital timer allows you to read and clear the most recent six faults stored in heater's ECU.

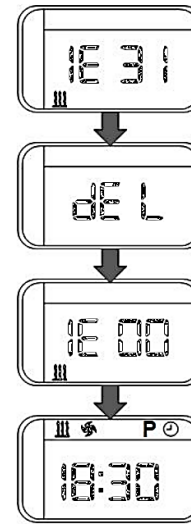
To display **Error Screen** while in heat mode, press [**<**] and [**>**] keys simultaneously.

Use [**<**] and [**>**] keys to scroll through error codes 1E – 6E.

To clear all errors, press [**<**] and [**>**] keys simultaneously.

To go back to previous screen, press **Power** or **Ok** button.

If the fault keeps coming up after you reset it, please refer to the nearest dealer to rectify the cause of the problem.



8. FACTORY RESET

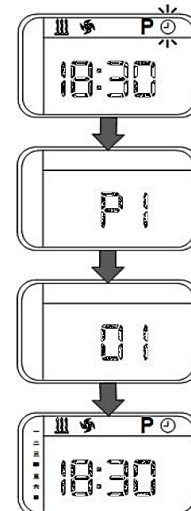
Following steps reset timer settings only. This operation does not affect heater's ECU.

Using [**<**] and [**>**] keys, navigate to **Clock Icon**.

Press [**<**] and [**>**] keys simultaneously.

Using [**<**] or [**>**] key, select **01** and press **Ok**.

Timer is now reset to factory settings.



9. PRESET AND LANGUAGE

Using [**<**] and [**>**] keys, navigate to **Clock Icon** and press [**<**] and [**>**] keys simultaneously.

press **Ok**.

press **Ok**.

Option "02" is the Language:

"on" – English, "of" – Chinese

Option "06" is the coolant preset temperature. You can set it in the range of 35-95 degrees Celsius.

