

The 25AG is provided with a multi-functional operating switch. It is capable of manual and timer controlled switching of the heater and conveys heater operational parameters and diagnostics.

Mount the operating switch in a suitable location using panel mount method shown in Figure S1 Route the switch harness from the heater to the Operating Switch and connect.

Overview

The operating switch allows you to turn the heater on and off, regulate temperature, set operating mode, timed shutdown and timed start-up functions. It also facilitates troubleshooting by providing diagnostic codes.

Figure S1







Buttons & Display Icons

Buttons:

ON / OFF	Ċ	On / Off Control
<	_	Adjust heat settings Toggle through menu
>		Adjust heat settings Toggle through menu
ОК	0 K	Select Menu settings

lcons:

<u>}}</u>	Heating Mode
*	Fan Mode
AD	Not Used
P	Program Mode
\bigcirc	Clock Settings





Set Time of Day / Day of Week:

1. Press "**OK**" Icons Displayed and heat symbol flashing

2. Press ">" or "<" repeatedly to select "**Clock**" Icon Clock Icon flashes

3. Press "**OK**" Days of week are displayed

4. Press ">" or "<" to select current day of week Current day selected flashes

5. Press "**OK**" to select this day *Hour of day flashes*

6. Adjust Hour of day to current hour using "<" or ">" Note: 24 hour clock *Hour of day flashes*

7. Press "**OK**" to confirm hour setting *Minutes of day flashes*

8. Adjust Minutes of day using "<" or ">" Minutes of day flashes

9. Press "**OK**" to confirm minute setting Reverts back to home screen. *Clock icon flashes*









On / Off Control

1. Press "**OK**" Icons Displayed and heat symbol flashing

2. Press ">" or "<" repeatedly to select "**Heat**" lcon *Heat lcon flashes*

3. Press "**OK**" Heater commences start up mode Current Power Level Setting or Target Temperature Setting of heater is displayed.

4. Press "**ON** / **OFF**" to switch off heater *Home Screen is displayed*





Heat Settings Control

There are two methods for controlling the heater's output levels. "Power Mode" allows you to set the power output in range of 1-7. "Automatic Climate Control Mode" allows you to set the desired cabin temperature in range of 5 °C to 35 °C.

Selecting Heat Output Mode

With heater in operation, Press and hold the "**OK**" button. Display will change from either showing the target temperature or target power mode setting.





Adjusting Power Mode

With heater operating in "Power Mode", Press ">" or "<" to adjust setting from 1-7 1 is lowest and 7 is highest Display will show current target Power Mode setting

Heater will continue to operate in this heat output level.

NOTE: To ensure that the heater maintains clean internal combustion chamber, it is recommended to vary the operating modes (ie. Don't allow the heater to operate in low heat for more than 2-4 hours at a time)

Adjust Target Temperature Setting

With heater operating in "Auto Climate Control Mode" Press ">" or "<" to adjust setting from 5 °C to 35 °C Display will show target temperature.



Heat Settings Control

The heater has the ability to operate in a ventilation mode. **NOTE**: To prolong the life of the blower motor, we recommend limiting this use.

1. Press "**OK**" Icons Displayed and heat symbol flashing

2. Press ">" or "<" to select "Fan" Icon Fan Icon Flashes

3. Press "**OK**" Fan Speed Setting is displayed

4. Press ">" or "<" to adjust fan speed setting 1-7 Fan Speed Setting is displayed

5. Press the "**On** / **Off**" Button to switch off the fan *Home Screen displayed*

Programmed Startup

The operating switch has the ability to automatically start the heater using programmed start up and shut down. You can establish 3 different preset profiles (you can only activate one at a time).

1. Press "**OK**" Icons Displayed and heat symbol flashing

2. Press ">" or "<" to select "**P**" lcon "P" lcon flashes

3. Press "**OK**" Preset Options 1,2,3 are displayed "1" Will be flashing

4. Press ">" or "<" to select the desired preset profile (1-3) *Display will toggle through display profiles*

5. Press "**OK**" to select desired profile setting *Status "On" or "Off" displayed.*

6. Press ">" or "<"to select "**ON**" or "**OFF**" *Status "On" or "Off" displayed*.

7. Press "**OK**" *Run Time displayed*

8. Press ">" or "<" to adjust run time for this profile. 10 -990 minutes *Run Time displayed*

9. Press "**OK**" Start Time Displayed, Hours flashing

10. Press ">" or "<"to adjust start up time hours Start Time Displayed, Hours flashing

11. Press "**OK**" Start Time Displayed, Minutes flashing

12. Press ">" or "<"to adjust start up time minutes *Start Time Displayed, Minutes flashing*

4. Minutes flashing 2. Hours flashing

13. Press "**OK**" Days of Week settings are displayed. "**Mo**" flashing

14. Press ">" or "<"to adjust between "**On**" or "**Off**" to activate or deactivate programmed start for that day. "**Off**" or "**On**" displayed

15. Press "**OK**" to proceed to next day Days of Week settings are displayed. "**Tu**" flashing

16. Proceed as above to establish "ON" / "Off" settings for all days of the week (Mo – Su)

17. Once you confirm settings for Sunday, display reverts to home screen.
Program is activated.
Home screen is displayed
"P" is flashing
Preset 1, 2 or 3 displayed.

Fuel System Priming

On initial start up after installing the heater, the system has the ability to conduct a fuel system priming function.

1. Press "**OK**" Icons Displayed and heat symbol flashing

2. Press ">" or "<" repeatedly to select "Clock" Icon Clock Icon flashes

3. Press and hold both "<" and ">" simultaneously for 3 seconds to initiate Program mode "**P1**" is displayed

4. Press ">" to toggle to "**P2**" "**P2**" is displayed

5. Press "**OK**" "**F90**" displayed Fuel pump will start pulsing to prime the fuel system for 90 seconds.

6. Press "ON / Off" button to switch off fuel pump priming once fuel has reached heater.
(Automatically switches off at 90 seconds)
"F##" displays count down from 90 to 0 seconds.

Reverts to Home screen

Additional Program Settings

While toggling through the settings to activate the "Fuel Priming" function, you will discover that there are other programmable menu settings. There are no other beneficial settings that can be adjusted and so they are not discussed in these instructions.

90 second countdown