



# OPERATING GUIDE FOR DVS G3<sup>®</sup> AIR-WARMER

## Introduction

The optional DVS<sup>®</sup> Air-Warmer pre-warms cooler air from your roof space before it enters your home through the ceiling outlets. The Air-Warmer is designed to take the 'chill' off incoming air from the DVS<sup>®</sup> during cooler months, NOT to warm your home or replace your existing home heating.



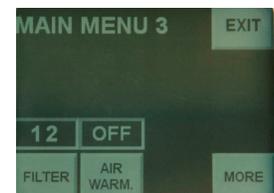
The Air-Warmer's thermostat is pre-set at 28°C for economical use. Depending on several factors including the roof space air temperature, fan speed and air flow, length of time the Air-Warmer has been operating and the distance from the Air-Warmer to individual ceiling outlets, the air entering the home will typically range between 20°C and 25°C. The incoming air may not feel especially hot or warm, but feel about the same temperature as, or slightly warmer than your home. However, because the incoming air is moving, the temperature felt by the skin can feel cooler than it actually is.

**NOTE: Even when the DVS<sup>®</sup> Air-Warmer is operating you will still need to use normal home heating to maintain a comfortable living environment, and to assist condensation control.**

## Setting the DVS<sup>®</sup> Air-Warmer

The G3<sup>®</sup> offers several options for controlling the operation of your Air-Warmer.

From the Current Status screen, press MENU three times to access MAIN MENU 3. Then select AIR WARM which will bring up your MODE options.



### Mode

Use the MODE button to select whether the DVS<sup>®</sup> Air-Warmer operates on Auto, Timer, or Dual modes, or is turned Off (as shown).

We recommend operating your Air-Warmer on Dual function for maximum energy efficiency. When set to Dual, the Air-Warmer will only turn on between the pre-selected times as set in the Timer menu and WHEN the roof space temperature drops below the temperature selected in the Auto menu.



**Note:** The currently selected mode of operation will be displayed on the current status screen. Whenever the Air-Warmer is operating, shimmering lines will appear over those displayed words.

## Options

### OFF

The DVS® Air-Warmer is permanently turned OFF, unless temporarily overridden by HEAT BOOST. Recommended when the Air-Warmer is no longer required, e.g. at the end of winter/early spring.

### Auto

The DVS® Air-Warmer will turn on whenever the roof space temperature drops below the temperature set in the Auto Set menu. To set the Air-Warmer to automatically turn on when the roof space temperature drops below, say, 15°C, set the Auto temperature to 15°C. The Timer option does not operate under Auto mode. The Air-Warmer will turn on whenever the roof space temperature falls below the pre-set temperature.

- ➔ Adjust the Auto temperature setting by using the up and down arrows.
- ➔ Press the UP arrow to INCREASE the roof space temperature below which the DVS® Air-Warmer will turn on.
- ➔ Press the DOWN arrow to DECREASE the roof space temperature below which the DVS® Air-Warmer will turn on.
- ➔ The Auto temperature may be set between -9°C and +25°C.

**Note: The higher the Auto temperature setting, the longer the Air-Warmer will be in operation.**

### Timer

The DVS® Air-Warmer will turn on and off according to the days and times preset in the Timer menu, irrespective of the roof space temperature. If the roof space is warm, the Air-Warmer may turn on, but once the output temperature of 28°C is reached, the G3® will automatically reduce the Air-Warmer power and only use sufficient power to maintain the 28°C output temperature.

The Timer mode provides up to seven combinations of days and times when the DVS Air-Warmer will switch on and off. Each programme represents a start and end for a day or a combination of days (e.g. Mon-Fri or Sat-Sun or Mon-Sun or individual days).

Detailed instructions on setting the Timer are shown below in Section 3.

### Dual

This mode combines Auto and Timer functions (above) so that the DVS® Air-Warmer will operate according to the Timer settings, but ONLY when the roof space temperature is LOWER than the temperature set in Auto. To utilise Dual, it is necessary to set BOTH a minimum roof space temperature under Auto mode, AND set your preferred On and Off settings in the Timer mode.

### ***RECOMMENDED for Maximum Energy Efficiency***

**Note:** If you have both a DVS® Air-Warmer and Automatic Summer Ventilation, the Air-Warmer has been programmed so that if the Air-Warmer is in Auto or Dual mode, the Air-Warmer will not switch on if the Summer Vent is open.

## Heat Boost

HEAT BOOST overrides any existing pre-set MODE and temporarily turns the Air-Warmer on for the length of time selected. At the end of this time, the Air-Warmer will revert to its previous settings in the Air-Warmer Mode menu.

HEAT BOOST can be selected for ½, 1, 1½ or 2 hour periods.

**Note:** When HEAT BOOST is selected, the word “Boost”, together with the selected duration, will be displayed on the Current Status screen.



## Setting the Timer

Before setting any Timer programme, it is important to check and set the CLOCK correctly, as all Timer settings rely on the day and time being correct.

1. From Main Menu 3, select AIR WARM.
2. Select SET TIMER.
3. Select Programme 1 using the PROG button. Each time you enter any of the Timer functions it will default to Prog 1 and the ON time.
4. To select the ON day or days, repeatedly press the ‘DAY’ button to scroll through and select individual days or groups of days that you wish to set the ON/OFF times for. Eleven individual days or combination of days will appear in sequence along the top of the screen in the following order:

Mon / Tue / Wed / Thu / Fri / Sat / Sun, i.e. each individual day only

Mon Tue Wed Thu Fri i.e. all five weekdays grouped together

Sat Sun i.e. two weekend days only grouped together

Mon Tue Wed Thu Fri Sat i.e. six days grouped together

Mon Tue Wed Thu Fri Sat Sun i.e. all seven days of the week grouped together

5. Once you have selected one of the above options, you may now select the time you would like the Air-Warmer to switch ON by pressing the ‘HOUR’ and ‘MIN’ (minute) buttons. If you go past your desired time, just keep pressing the ‘HOUR’ or ‘MIN’ buttons until the desired time re-appears.
6. After selecting the desired ON day(s) and time, press the OFF button. The OFF time section will be highlighted and is now ready to set the OFF time.
7. Select the time you wish the Air-Warmer to switch OFF by again pressing the ‘HOUR’ and ‘MIN’ buttons as in 5.above. If, after setting the OFF time you wish to amend the ON time, simply press the ON button to highlight the ON time section and make the changes. Repeat for OFF time if you wish to amend the new or any existing OFF time.
8. Press and release the ‘PROG’ button again to save the settings for PROG 1. The timer will automatically bring up PROG 2.
9. If you wish to set ON/OFF times for another day or combination of days in PROG 2 repeat the steps from 2 to 6 above. You can programme up to seven ON/OFF settings.
10. When you have finished setting the ON/OFF times, press the ‘EXIT’ button to save all the timer settings and return the display panel to the Current Status screen

**Note:** If you wish to delete any preset Timer programmes, bring up the respective PROG by pushing the PROG button and press the DAY, ON, OFF, HOUR and MIN buttons until -:- - appears in the respective fields.