GLOBAL AIR SUPPLIES UK
13 AMP ENVIRO
CONTROLLER V2
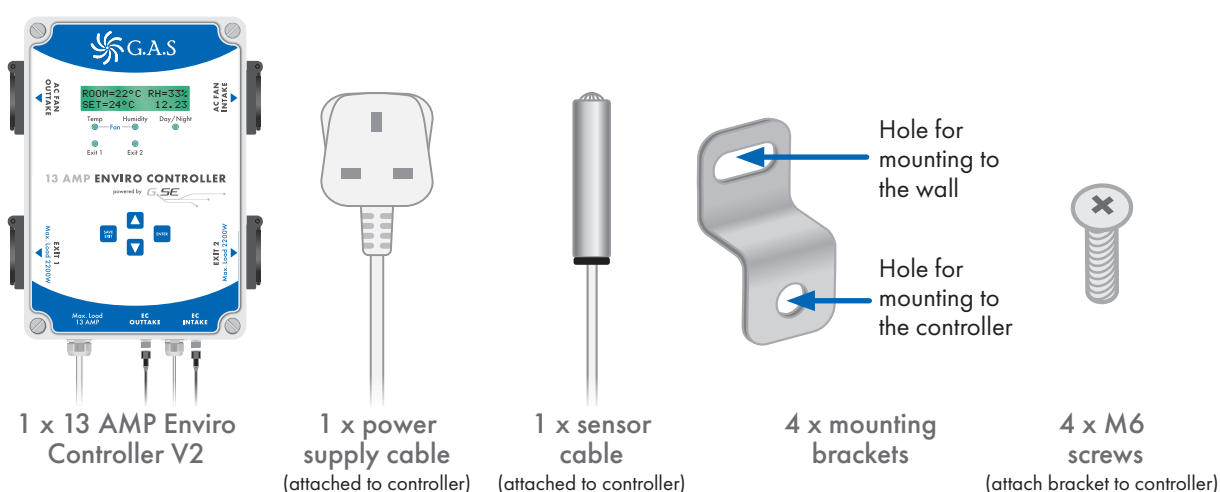

G.A.S

AC FAN OUTTAKE

AC FAN INTAKE

ROOM=22°C RH=33%
SET=24°C   12.23

Temp   Humidity   Day/Night
●—Fan—●

Exit 1   Exit 2

13 AMP ENVIRO CONTROLLER
powered by G.SE

SAVE EXIT   ENTER

EXIT 1
Max. Load 2200W

EXIT 2
Max. Load 2200W

Max. Load 13 AMP   EC OUTTAKE   EC INTAKE
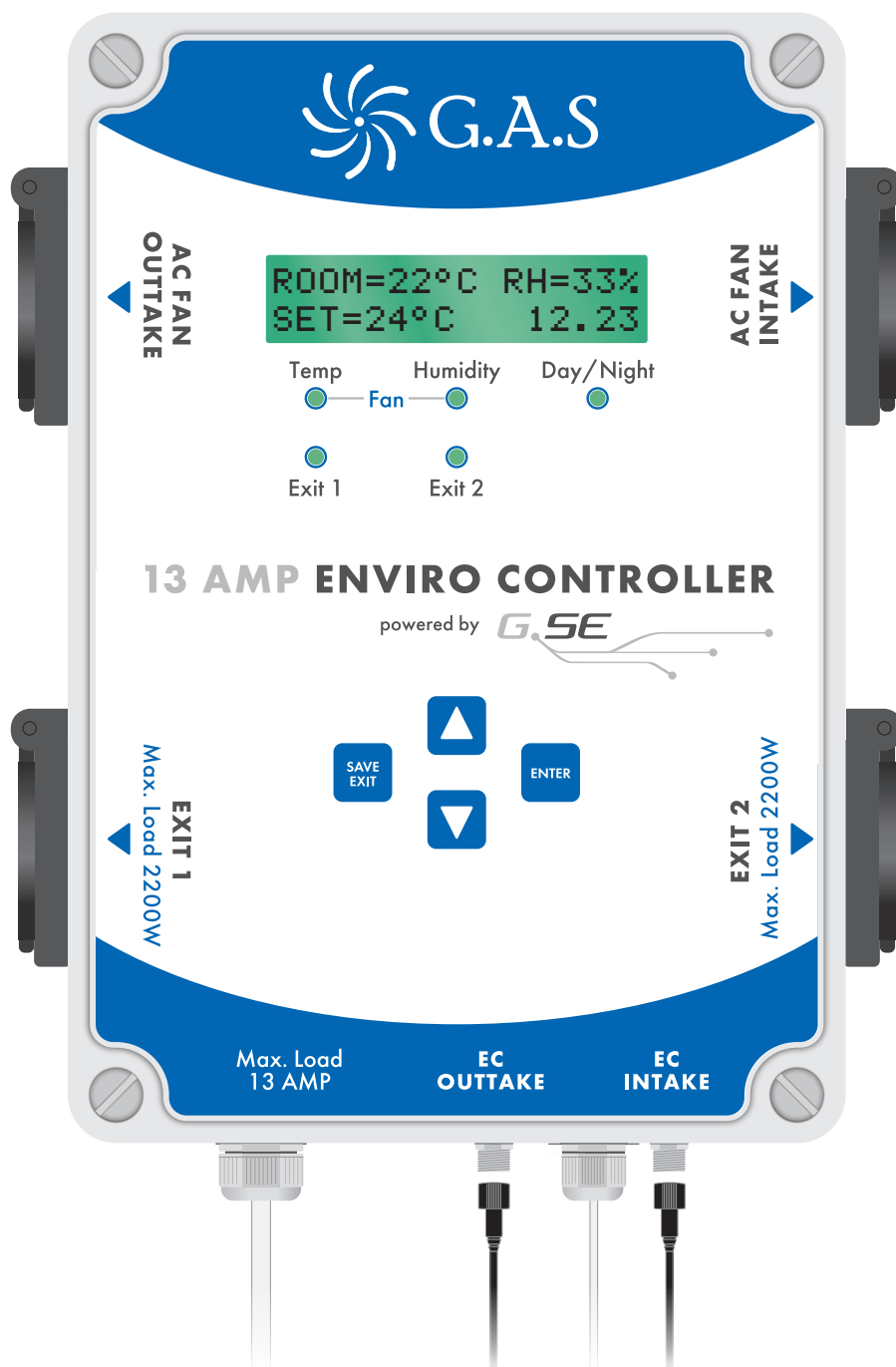
CONTENTS

IN THE BOX

1 x 13 AMP Enviro
Controller V2

1 x power
supply cable
(attached to controller)

1 x sensor
cable
(attached to controller)

Hole for
mounting to
the wall

Hole for
mounting to
the controller

4 x mounting
brackets

4 x M6
screws
(attach bracket to controller)

TECHNICAL SPECIFICATION

- Operating Voltage 230V / 50 Hz
- Max Amp 13
- Loading of the individual outputs
  – Intake Fan Max: 10A   2300W
  – Outtake Fan Max: 10A   2300W
  – Exit 1 Max: 10A   2300W
  – Exit 2 Max: 10A   2300W

The total load on all the sockets **MUST NOT**
be more than 2900W!

MOUNTING YOUR UNIT

- **Make sure the unit is unplugged.**
- Screw the mounting brackets to the unit
  and screw the unit to the wall.
- **PLEASE NOTE: Mount the unit on a non-
  flammable surface. Make sure the unit is
  in a well ventilated area and away from
  water and high humidity.**
- The unit is sealed to IP44 however to prevent any
  water ingress it is recommended that the unit is
  mounted outside of the grow room.
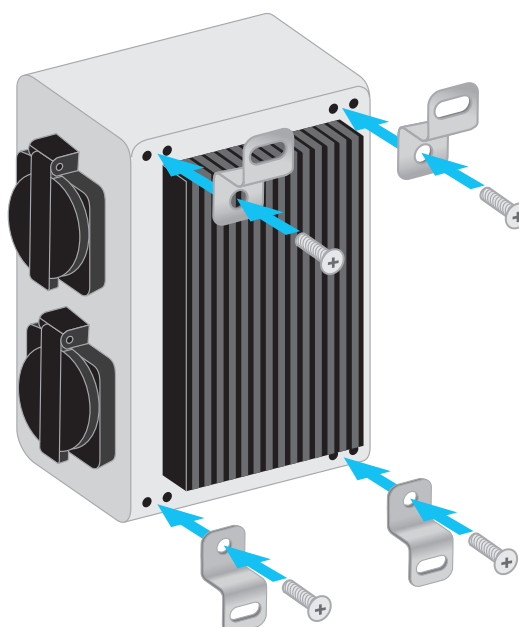
SENSOR POSITIONING

- The best position for the sensor is the middle of the grow room, just above the canopy.

PLEASE NOTE: We advise you have good air circulation in your grow room, this will prevent hot spots or high humidity zones. The sensor will be more accurate if the air is moving inside the grow room, therefore making the controller more accurate.

CAUTION

The sensor is a sensitive device. Do not drop or hit the sensor. Damage to the sensor may not be covered by warranty. KEEP AWAY from water and aerosols.

13 AMP Enviro Controller V2

Lighting

Outtake fan

Sensor

Intake fan

Plants
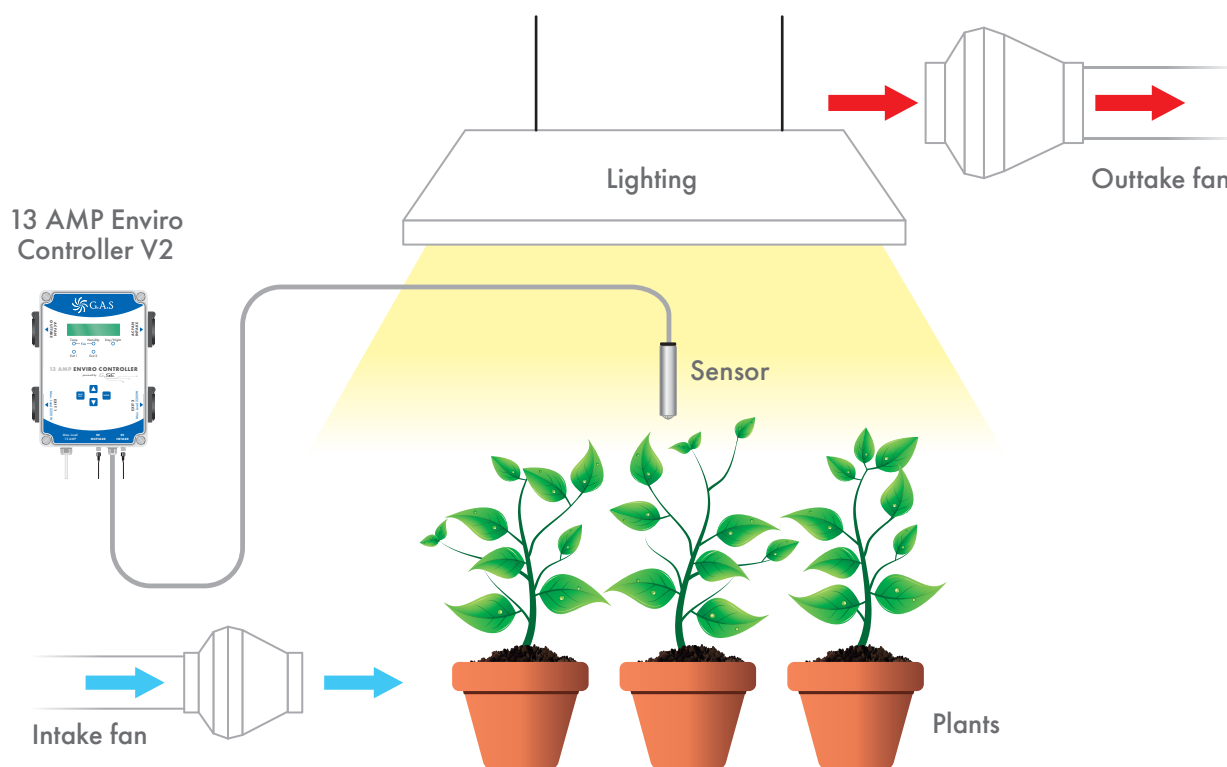
CONNECTING YOUR FANS

- The 13 AMP Enviro Controller V2 can be used with AC or EC Fans.

- To connect AC fans, simply plug the fan into the top two plug sockets on the side of the controller. AC FAN OUTTAKE connects to your outtake and your intake connects to AC FAN INTAKE.

- To connect your EC fans, connect the EC signal cable to the controller and to the signal cable on your fans. EC INTAKE connects to your intake fan and EC OUTTAKE to your outtake fan.
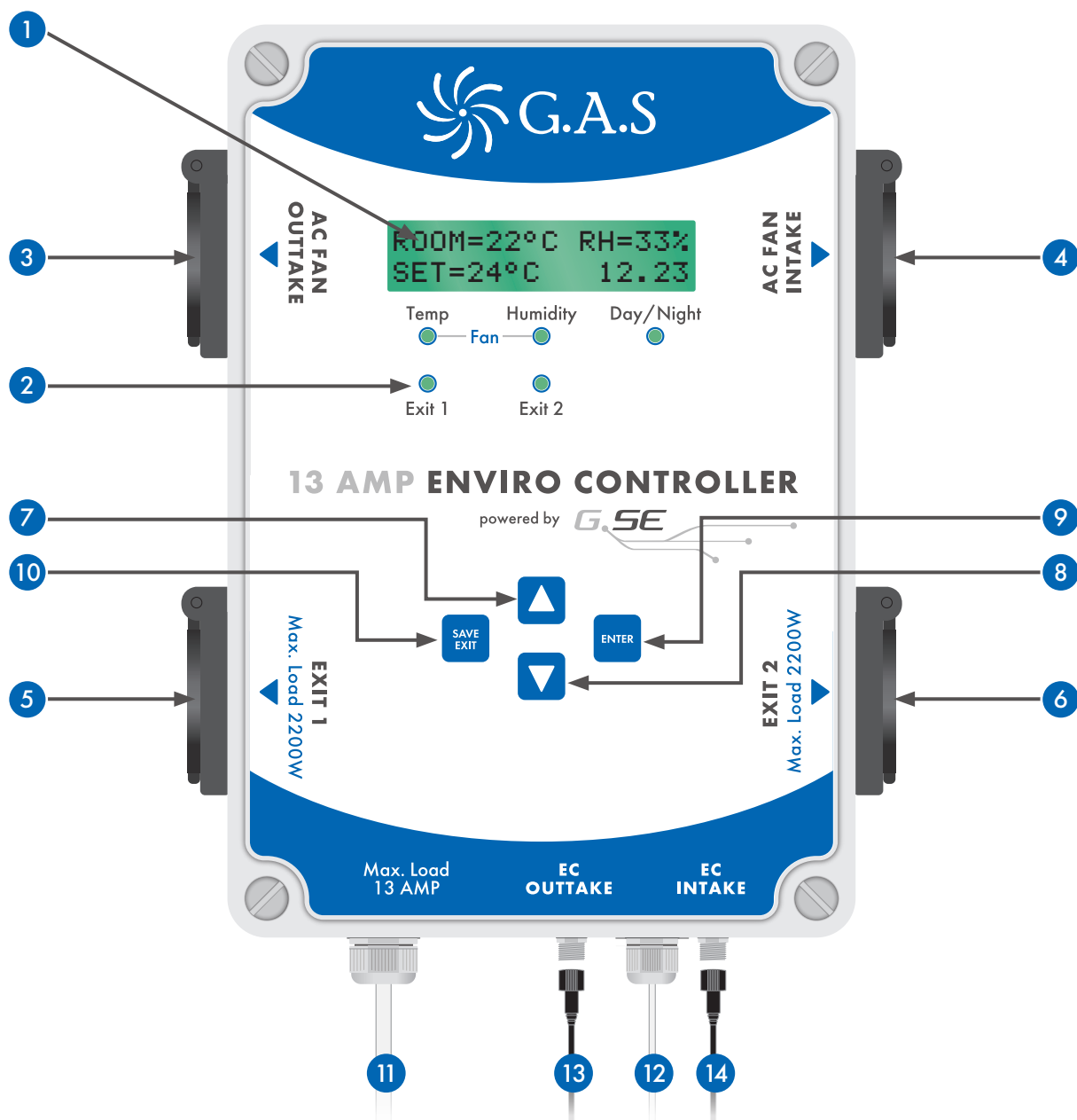
PLEASE NOTE: Never connect the mains power lead from EC fans to the AC fan plug sockets. Serious damage will occur to your EC fans.

CAUTION

ALL FANS will turn on when the controller is plugged in/ switched on.

USING YOUR 13 AMP ENVIRO CONTROLLER V2

KEY

1. LCD information display
2. LED indication lights
3. AC fan outtake plug socket
4. AC fan intake plug socket
5. Programmable Exit 1 plug socket
6. Programmable Exit 2 plug socket
7. Menu up key

8. Menu down key
9. Menu enter key
10. Menu save and exit key
11. Power supply
12. Sensor cable for the humidity, light and temperature sensor
13. EC outtake signal cable (available separately)
14. EC intake signal cable (available separately)

LED's

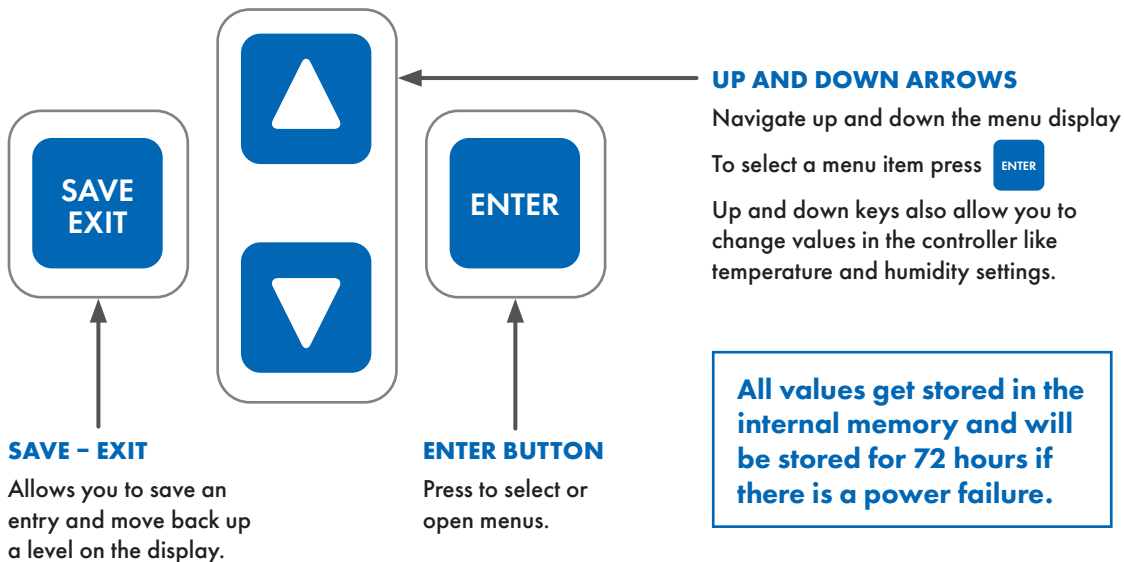Five LED's on the front of the controller give you information about your grow room.

When the controller is turned on, all 5 LED's will briefly illuminate, then go off.

Temp ——— Fan ——— Humidity ⊙   Day/Night ⊙

⊙ Exit 1   ⊙ Exit 2
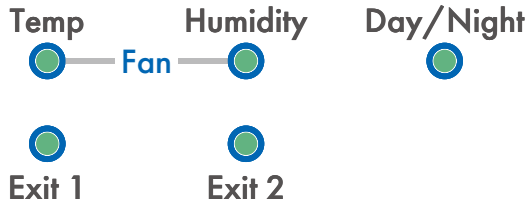
⊙ **Temp LED ON**
Grow room is above set temperature.

⊙ **Humidity LED ON**
Grow room is above set humidity.

⊙ **Day/Night LED**
LED off indicates night time or lights are off.
Solid LED indicates day time or lights are on.

⊙ **Exit 1 LED ON**
Exit 1 power supply is on.

⊙ **Exit 2 LED ON**
Exit 2 power supply is on.

CONTROL KEYS

The controller is operated by four buttons.

▲

SAVE EXIT

ENTER

▼

UP AND DOWN ARROWS

Navigate up and down the menu display

To select a menu item press ENTER

Up and down keys also allow you to change values in the controller like temperature and humidity settings.

SAVE – EXIT
Allows you to save an entry and move back up a level on the display.

ENTER BUTTON
Press to select or open menus.

All values get stored in the internal memory and will be stored for 72 hours if there is a power failure.

HOME SCREEN

When the controller is turned on, the 'Home Screen' is displayed. This shows your room temperature, relative humidity, fan setting and the time.

Press the **DOWN** arrow to view your current outtake and intake speeds.

Press **ENTER** to access all the sub menus.

Menus will **flash** to highlight selection.

If viewing a different menu, you can go back to the 'Home Screen' by either leaving the controller for 2 minutes, or by pressing the **SAVE EXIT** button repeatedly to move backwards through any sub menus.

MAIN MENU

```
Room=23°C RH=60%
Set19°C      09:13
```

Press ▼

```
Outtake         90%
Intake          70%
```

MAIN MENU

```
Room=23°C RH=60%
Set19°C      09:13
```

Press ENTER

```
Set fan Speed
Set exit 1
```

Selected menus will flash

```
\/\/\/\/\/\/\/\/\/\/\/\/
Set fan Speed
/\/\/\/\/\/\/\/\/\/\/\/\
```

Press ENTER to select and access sub menus

USING YOUR 13 AMP ENVIRO CONTROLLER V2
GENERAL SETTINGS MENU

This menu allows you to change the main settings of the controller such as:

- Set time
- Set language
- Set photosensor
- Calibration
- Set display
- Reset to factory settings
- EC fan signal

TO ACCESS THE GENERAL SETTINGS MENU

From the Home Screen press **ENTER** to access the sub menus.

'Set fan Speed' and 'Set exit 1' will be displayed. Press the **DOWN** arrow to scroll down to 'General settings'.

With 'General settings' flashing, press **ENTER**.

ACCESSING GENERAL SETTINGS

Start from the Home Screen

```
Room=23°C RH=60%
Set19°C     09:13
```

Press ENTER to access the first sub menu

Press ▼ to scroll down to General settings

```
Set fan Speed
Set exit 1
Set exit 2
General settings
```

Press ENTER to access General settings

Press ▼ to scroll down the sub menus

```
Set time
Set language
Set photosensor
Calibration
Set display
Res. factory set
EC fan signal
```

SETTING THE DATE/TIME

From the 'General settings' menu (see above), with 'Set time' flashing, press **ENTER** to access the set date & time settings.

Use the **UP** and **DOWN** arrows to change the Day.

Pressing **ENTER** will subsequently select the Month, Year and then the Time values.

Press **SAVE EXIT** to save your information, and to go back to the previous sub menu.

DATE/TIME SETTINGS MENU

Select General settings as detailed above

Press ENTER to access Set date/time settings

```
Set time
Set language
Set photosensor
Calibration
Set display
Res. factory set
EC fan signal
```

TO SET THE DATE / TIME

The 'day' is initially selected and blinking

Press ▲ ▼ to change value

```
Set date/time
01.01.2017 00:00
```

Pressing ENTER will select the next entry: Month, Year and Time

```
Set date/time
01.01.2017 00:00
```

Pressing SAVE EXIT will save your entry and go back to the previous menu

SETTING THE LANGUAGE

From the 'General settings' menu (see page 6), press DOWN and scroll down to 'Set language'.

With 'Set language' flashing, press ENTER to access the language settings.

Use the UP and DOWN arrows to select your chosen language.

Press SAVE EXIT to save your information, and to go back to the previous sub menu.

Press ▼ to scroll down to Set language

Press ENTER to access Language settings

```
Set time
Set language
Set photosensor
Calibration
Set display
Res. factory set
EC fan signal
```

Press ▲ ▼ to scroll to your chosen language

```
Set language
          English
          Deutsch
          Français
          Italiano
          Español
        Nederlands
```

Pressing SAVE EXIT will save your entry and go back to the previous menu

SETTING THE PHOTOSENSOR

This menu shows the current photosensor level at the top. You can adjust the value for the switch between day and night. The switch time is the delay before the controller changes mode from day to night, or night to day.

From the 'General settings' menu (see page 6), press DOWN and scroll down to 'Set photosensor'.

With 'Set photosensor' flashing, press ENTER to access the photosensor settings.

Press the UP or DOWN arrows to select 'Switch at:' or 'Switch time' and then press ENTER to select.

Press the UP or DOWN arrows to change the value and then press SAVE EXIT to save your information. Press again to go back to the previous sub menu.

NOTE: Setting the switch level too low may mean the controller never switches depending on the amount of residual light in the grow room.

PHOTOSENSOR MENU

Select General settings as detailed on page 6

Press ▼ to scroll down to Set photosensor

Press ENTER to access Photosensor settings

```
Set time
Set language
Set photosensor
Calibration
Set display
Res. factory set
EC fan signal
```

Press ▲ ▼ to make your selection

```
Photosensor   35%
Switch at:    70%
Switch time    1s
```

Press ▲ ▼ to change value

```
Switch at:    70%
```

Pressing SAVE EXIT twice will save your entry and go back to the previous menu

CALIBRATING THE SENSORS

From the 'General settings' menu (see page 6), press **DOWN** and scroll down to **'Calibration'.**

With **'Calibration'** flashing, press **ENTER** to access the calibration settings.

The screen will display the current temperature on the top line.

'Temperat.' and the current offset will be flashing on the bottom line.

Press **ENTER** to adjust the offset using the **UP** and **DOWN** arrows.

When you press **SAVE EXIT** the current reading will be updated.

Use the **DOWN** arrow to repeat the process to change the humidity offset.

Press **SAVE EXIT** to save your information.

Press **SAVE EXIT** again to go back to the previous sub menu.

CALIBRATION MENU

Select General settings as detailed on page 6

Press ▼ to scroll down to Calibration

Press ENTER to access Calibration settings

```
Set time
Set language
Set photosensor
Calibration
Set display
Res. factory set
EC fan signal
```

Press ▲ ▼ to scroll to your chosen setting

```
Calibration 25°C
Temperat.      0°
```

```
Calibration   55%
Humidity       0%
```

Pressing SAVE EXIT will save your entry and go back to the previous menu

SETTING THE DISPLAY

From the 'General settings' menu (see page 6), press **DOWN** and scroll down to **'Set display'.**

With **'Set display'** flashing, press **ENTER** to access the display settings.

Use the **UP** and **DOWN** arrows to select your chosen setting of **'automatic'**, **'on'** or **'off'.**

Press **SAVE EXIT** to save your information, and to go back to the previous sub menu.

NOTE: The LED's will also follow the display.

DISPLAY MENU

Select General settings as detailed on page 6

Press ▼ to scroll down to Set display

Press ENTER to access display settings

```
Set time
Set language
Set photosensor
Calibration
Set display
Res. factory set
EC fan signal
```

Press ▲ ▼ to scroll to your chosen setting

```
LED back light
        automatic
               on
              off
```

Pressing SAVE EXIT will save your entry and go back to the previous menu

RESET TO FACTORY DEFAULTS

From the 'General settings' menu (see page 6), press DOWN and scroll down to 'Res. factory set'.

With 'Res. factory set' flashing, press ENTER to access the factory default settings.

Use the UP or DOWN arrows to select 'YES'.

Press ENTER to confirm your choice and the controller will begin to reset. The display will count up to 100% and once the reset is complete, all 5 LED's will briefly illuminate, and the display will change to the 'Home Screen'. Your controller has now been reset to factory defaults.

RESET TO FACTORY DEFAULT MENU

Select General settings as detailed on page 6

Press ▼ to scroll down to Res. factory set

Press ENTER to access Factory default settings

```
Set time
Set language
Set photosensor
Calibration
Set display
Res. factory set
EC fan signal
```

Press ▲ ▼ to scroll to select YES

```
Reset controller
NO?          YES?
```

Press ENTER to confirm your choice

```
Restore      100%
factory settings
```

The display will count up to 100% and then display

```
Reset completed!
Please wait
```

All 5 LED's will briefly illuminate, and the display will change to the Home Screen

SETTING THE EC SIGNAL

From the 'General settings' menu (see page 6), press DOWN and scroll down to 'EC fan signal'.

With 'EC fan signal' flashing, press ENTER to access the EC fan signal settings.

Use the UP and DOWN arrows to select the type of EC fan you are using.

Press SAVE EXIT to save your information, and to go back to the previous sub menu.

> **Make sure you get the correct signal type for your fan.**
>
> **Hyperfan V2 should use the 0-10V revolution setting.**

EC SIGNAL MENU

Select General settings as detailed on page 6

Press ▼ to scroll down to EC fan signal

Press ENTER to access EC signal settings

```
Set time
Set language
Set photosensor
Calibration
Set display
Res. factory set
EC fan signal
```

Press ▲ ▼ to scroll to your chosen setting

```
Set EC Signal
0-10V Revolution
0-5V Hyper fan
     PWM output
```

Pressing SAVE EXIT will save your entry and go back to the previous menu

USING YOUR 13 AMP ENVIRO CONTROLLER V2
FAN SETTINGS MENU

This menu allows you to change your fan settings such as:

- Temperature
- Bandwidth
- Humidity settings
- Minimum & maximum fan speed
- Dump Override

TO ACCESS THE FAN SETTINGS MENU

From the 'Home Screen' press ENTER to access the sub menus.

'Set fan Speed' will be displayed and flashing.

Press ENTER to access the 'Fan settings' menu.

ACCESSING FAN SETTINGS

Start from the Home Screen

```
Room=23°C RH=60%
Set19°C      09:13
```

Press ENTER to access the first sub menu

```
Set fan Speed
Set exit 1
Set exit 2
General settings
```

Press ENTER to access the Fan settings menu

Press ▼ to scroll down the sub menus

```
Set temperature
Set humidity
Fan settings
Dump Override
```

SETTING THE FAN TEMPERATURE

From the 'Fan settings' menu (as detailed above), press ENTER and scroll down to 'Set temperature'.

With 'Set temperature' flashing, press ENTER to access the temperature settings.

Use the UP and DOWN arrows to select your chosen setting of 'Day', 'Night' or 'Bandwidth'.

With your chosen selection flashing press ENTER to highlight the corresponding value.

Use the UP and DOWN arrows to change the value.

Press SAVE EXIT to save your information, and press again to go back to the previous sub menu.

FAN TEMPERATURE BANDWIDTH

The bandwidth value is the difference in temperature from when the fans start up and when they are going at full speed.

The fans in the example to the right will start at 24°C and ramp up to full speed in 3°C. Therefore the fans will be at full speed at 27°C.

FAN TEMPERATURE MENU

Select Fan settings as detailed above

Press ENTER to access temperature settings

```
Set temperature
Set humidity
Fan settings
Dump Override
```

Press ▲ ▼ to make your selection

Press ENTER to highlight the corresponding value

```
Day        24.0°C
Night      20.0°C
Bandwidth  3.0°C
```

Press ▲ ▼ to change value

```
Day        24.0°C
```

Pressing SAVE EXIT will save your entry and go back to the previous menu

SETTING THE FAN HUMIDITY

From the 'Fan settings' menu (as detailed on page 10), press **DOWN** and scroll down to 'Set humidity'.

With 'Set humidity' flashing, press **ENTER** to access the humidity settings.

Use the **UP** and **DOWN** arrows to select your chosen setting of 'Day', 'Night' or 'Bandwidth'.

With your chosen selection flashing press **ENTER** to highlight the corresponding value.

Use the **UP** and **DOWN** arrows to change the value.

Press **SAVE EXIT** to save your information, and press again to go back to the previous sub menu.

FAN HUMIDITY BANDWIDTH

The bandwidth value is the difference in humidity from when the fans start up and when they are going at full speed. In this example, the fans will start to speed up to remove humidity 10% below set point and will run at maximum speed at set point.

These humidity settings will set the ventilation system to remove humidity by extracting it.

ALSO NOTE: Particularly at night time, temperatures can drop if the ventilation system is removing humidity and replacing it with cold air.

SETTING THE FAN SPEED

From the 'Fan settings' menu (as detailed on page 10), press **DOWN** and scroll down to 'Fan settings'.

With 'Fan settings' flashing, press **ENTER** to access the fan speed settings.

Use the **UP** and **DOWN** arrows to select your chosen setting of Minimum speed day & night, Maximum speed day & night or Negative pressure.

With your chosen selection flashing press **ENTER** to highlight the corresponding value.

Use the **UP** and **DOWN** arrows to change the value.

Press **SAVE EXIT** to save your information, and to go back to the previous sub menu.

Minimum speed Outtake:
Use this to have your ventilation system operating all the time. This will keep the outtake fan running and keep negative pressure in your room at all times, to stop odours escaping the room. Different values can be set for day and night.

Maximum speed Outtake:
To be used if noise is an issue. You can lower the maximum speed and therefore the maximum noise. Different values can be set for day and night.

Negative pressure Intake:
This will set your intake fan speed below your outtake fan. If you set it at -10% when the outtake fan is at 50% the intake fan will be at 45%. This is to maintain negative pressure in your grow room.

FAN HUMIDITY MENU

Select Fan settings as detailed on page 10

Press ▼ to scroll down to Set humidity

Press ENTER to access Humidity settings

```
Set temperature
Set humidity
Fan settings
Dump Override
```

Press ▲ ▼ to make your selection

Press ENTER to highlight the corresponding value

```
Day            60%
Night          50%
Bandwidth      10%
```

Press ▲ ▼ to change value

```
Day            70%
```

Pressing SAVE EXIT will save your entry and go back to the previous menu

FAN SPEED MENU

Select Fan settings as detailed on page 10

Press ▼ to scroll down to Fan settings

Press ENTER to access Fan speed settings

```
Set temperature
Set humidity
Fan settings
Dump Override
```

Press ▲ ▼ to make your selection

Press ENTER to highlight the corresponding value

```
Min. speed    day
Outtake       20%
```

```
Min. speed night
Outtake       20%
```

```
Max. speed    day
Outtake       70%
```

```
Max. speed night
Outtake       70%
```

```
Negativepressure
Intake       -20%
```

Press ▲ ▼ to change value

```
Minimum speed
Outtake       20%
```

Pressing SAVE EXIT will save your entry and go back to the previous menu

USING YOUR 13 AMP ENVIRO CONTROLLER V2
FAN SETTINGS MENU

DUMP OVERRIDE FUNCTION

Allows you to programme your fans to dump the air out of your grow room. It takes your outlet fan up to the maximum set fan speed, and your inlet to the maximum fan speed, less the set negative pressure.

The timer works on a 24 hour clock and you can set 24 different times.

From the 'Fan settings' menu (as detailed on page 10), press **DOWN** and scroll down to 'Dump Override'.

With 'Dump Override' flashing, press **ENTER** to access the dump override settings.

Use the **UP** and **DOWN** arrows to select your chosen setting from 1 to 24.

With your chosen selection flashing press **ENTER** to highlight the corresponding ON TIME value.

Use the **UP** and **DOWN** arrows to change the value, and press **ENTER** to highlight the next value.

Once you have your chosen ON TIME settings, press **ENTER** to highlight the OFF TIME value. This shows hours : mins : secs and can be changed in the same way.

Press **SAVE EXIT** to save your information. Press **SAVE EXIT** again to go back to the previous sub menu.

ENVIRO CONTROLLER V2 CONFLICTS

The Enviro Controller V2 fan controls should be carefully considered if you are using humidifiers or heaters in your environment.

Heaters

If you are using a heater on Exit 1 or Exit 2, make sure that the heater settings are below the fan temperature set points.

For example, if your day temperatures are set to 25°C and a heater setting is above 25°C, the fans will speed up and therefore remove the heat.

Humidifiers

If you are using a humidifier on Exit 1 or Exit 2, make sure that the humidity settings are below the fan humidity set points.

For example, if your day humidity is set to 60%, a humidifier setting above 60% will cause your fans to speed up to remove humidity.

DUMP OVERRIDE MENU

Select Fan settings as detailed on page 10

Press ▼ to scroll down to Dump Override

Press ENTER to access Dump Override settings

```
Set temperature
Set humidity
Set fan speed
Dump Override
```

Press ▲▼ to make your selection from 1 to 23

Press ENTER to highlight the first value

```
Dump      timer   1
  0:00      00:00:00
```
ON TIME — hours : mins   OFF TIME — hours : mins : secs

Press ▲▼ to change value

```
Dump      timer   1
  0:00      00:00:00
```

Press ENTER to highlight the next value

Pressing SAVE EXIT will save your entry

Press SAVE EXIT again to go back to the previous menu

CAUTION

Take care when using humidifiers or heaters in your environment.

EXIT 1 AND 2 SETTINGS

This menu allows you to change the settings of items connected to Exits 1 and 2 such as:

- A heater
- A humidifier
- A dehumidifier

TO ACCESS THE EXIT 1 OR EXIT 2 SETTINGS MENU

From the 'Home Screen' press **ENTER** to access the sub menus.

'Set fan speed' and 'Set exit 1' will be displayed. Press the **DOWN** arrow to scroll down to Set exit 1 or Set exit 2.

With 'Set exit 1 or Set exit 2' flashing, press **ENTER**

With 'Choose function' flashing, press **ENTER** to access the function that can be selected for the exit.

ACCESSING EXIT 1 AND EXIT 2 SETTINGS

Start from the Home Screen

```
Room=23°C RH=60%
Set19°C     09:13
```

Press ENTER to access the first sub menu

Press ▼ to scroll down to Set exit 1 or Set exit 2

```
Set fan speed
Set exit 1
Set exit 2
General settings
```

Press ENTER to access Exit 1 or Exit 2

```
Choose function
```

Choose function is displayed

Press ENTER to access functions

Press ▼ to scroll down the sub menus

```
Power
Heat
Humidify
Dehumidify
Timer
```

POWER ON / OFF SETTING

From the 'Choose function' menu (as detailed above), press **DOWN** and scroll down to 'Power'.

With 'Power' flashing, press **ENTER** to access the power settings.

Use the **UP** and **DOWN** arrows to select OFF or ON.

Press **SAVE EXIT** to save your information, and to go back to the previous sub menu.

EXIT 1 AND EXIT 2 POWER MENU

Select Set exit 1 or Set exit 2 settings as detailed above

Press ▼ to scroll down to Power

Press ENTER to access Power settings

```
Power
Heat
Humidify
Dehumidify
Timer
```

Press ▲ ▼ to make your selection

```
Ex1         off
Ex1         on
```

Pressing SAVE EXIT will save your entry and go back to the previous menu

USING YOUR 13 AMP ENVIRO CONTROLLER V2
EXIT 1 AND 2 SETTINGS

HEAT SETTING

You can set the desired temperature of your room when a heater is connected to Exit 1 or Exit 2. The controller will turn on the heater whenever it is below these values.

From the 'Set exit 1' or 'Set exit 2' settings menu (as detailed on page 13), press **DOWN** and scroll down to 'Heat'.

With 'Heat' flashing, press **ENTER** to access the heat settings.

Use the **UP** and **DOWN** arrows to select 'Heat day', 'Heatnight' or 'Bandwidth'.

With your chosen selection flashing press **ENTER** to highlight the corresponding value.

Use the **UP** and **DOWN** arrows to change the value.

Press **SAVE EXIT** to save your information, and to go back to the previous sub menu.

HEAT SETTING BANDWIDTH

The controller can be programmed to turn the heater on whenever it drops below your set room temperature.

The bandwidth is how many °C the temperature can drop below the set room temperature before the heater is turned back on. In the example to the right, during the day the heater will turn off at 24°C and turn back on at 22°C (bandwidth set to –2°C).

HUMIDIFY SETTING

With a humidifier connected to Exit 1 or Exit 2:

From the 'Set exit 1' or 'Set exit 2' settings menu (as detailed on page 13), press **DOWN** and scroll down to 'Humidify'.

With 'Humidify' flashing, press **ENTER** to access the humidifier settings.

Use the **UP** and **DOWN** arrows to select 'Humidify day', 'Humidi night' or 'Bandwidth'.

With your chosen selection flashing press **ENTER** to highlight the corresponding value.

Use the **UP** and **DOWN** arrows to change the value.

Press **SAVE EXIT** to save your information, and to go back to the previous sub menu.

HUMIDIFY SETTING BANDWIDTH

The controller can be programmed to turn the humidifier on whenever it drops below your set value.

The bandwidth is the % the humidity can drop below the set humidity value before the humidifier is turned back on. In the example to the right, during the day the humidifier will turn off at 60% and turn back on at 55% (bandwidth set to –5%).

EXIT 1 AND EXIT 2 HEAT MENU

Select Set exit 1 or Set exit 2 settings as detailed on page 13

Press ▼ to scroll down to Heat

Press ENTER to access Heat settings

```
Power
Heat
Humidify
Dehumidify
Timer
```

Press ▲ ▼ to make your selection

Press ENTER to highlight the corresponding value

```
Exit1          Temp
Heat day    24.0°C
Heatnight   20.0°C
Bandwidth     -2°C
```

Press ▲ ▼ to change value

```
Heat Day  24.0°C
```

Pressing SAVE EXIT will save your entry and go back to the previous menu

EXIT 1 AND EXIT 2 HUMIDIFY MENU

Select Set exit 1 or Set exit 2 settings as detailed on page 13

Press ▼ to scroll down to Humidify

Press ENTER to access Humidify settings

```
Power
Heat
Humidify
Dehumidify
Timer
```

Press ▲ ▼ to make your selection

Press ENTER to highlight the corresponding value

```
Exit1      Humidify
Humidify day 60%
Humidi night 55%
Bandwidth     -5%
```

Press ▲ ▼ to change value

```
Humidify day 60%
```

Pressing SAVE EXIT will save your entry and go back to the previous menu

EXIT 1 AND 2 SETTINGS

DEHUMIDIFY SETTING

With a dehumidifier connected to Exit 1 or Exit 2:

From the 'Set exit 1' or 'Set exit 2' settings menu (as detailed on page 13), press **DOWN** and scroll down to 'Dehumidify'.

With 'Dehumidify' flashing, press **ENTER** to access the dehumidifier settings.

Use the **UP** and **DOWN** arrows to select 'Dehumidi day', 'Dehumi night' or 'Bandwidth'.

With your chosen selection flashing press **ENTER** to highlight the corresponding value.

Use the **UP** and **DOWN** arrows to change the value.

Press **SAVE EXIT** to save your information, and to go back to the previous sub menu.

DEHUMIDIFY SETTING BANDWIDTH

The controller can be programmed to turn the dehumidifier on whenever it drops below your set value.

The bandwidth is the % the humidity can drop below the set humidity value before the dehumidifier is turned off. In the example to the right, during the day the dehumidifier will turn on at 60% and turn back off at 50% (bandwidth set to 10%).

EXIT 1 AND EXIT 2 DEHUMIDIFY MENU

Select Set exit 1 or Set exit 2 settings as detailed on page 13

Press ▼ to scroll down to Dehumidify

Press ENTER to access Dehumidify settings

```
Power
Heat
Humidify
Dehumidify
Timer
```

Press ▲ ▼ to make your selection

Press ENTER to highlight the corresponding value

```
Exit1 Dehumidify
Dehumidi day 60%
Dehumi night 50%
Bandwidth    10%
```

Press ▲ ▼ to change value

```
Dehumidi day 60%
```

Pressing SAVE EXIT will save your entry and go back to the previous menu

SET TIMER FUNCTION

Allows you to programme Exit 1 or Exit 2 to turn off at a specific time.

The timer works on a 24 hour clock and you can set 24 different times.

From the 'Set exit 1' or 'Set exit 2' settings menu (as detailed on page 13), press **DOWN** and scroll down to 'Timer'.

With 'Timer' flashing, press **ENTER** to access the timer settings.

Use the **UP** and **DOWN** arrows to select your chosen setting from '1' to '24'.

With your chosen selection flashing press **ENTER** to highlight the corresponding ON TIME value.

Use the **UP** and **DOWN** arrows to change the value.

Press **ENTER** to highlight the next value.

Press **SAVE EXIT** to save your information. Press **SAVE EXIT** again to go back to the previous sub menu.

EXIT 1 AND EXIT 2 DEHUMIDIFY MENU

Select Set exit 1 or Set exit 2 settings as detailed on page 13

Press ▼ to scroll down to Dehumidify

Press ENTER to access Dehumidify settings

```
Power
Heat
Humidify
Dehumidify
Timer
```

Press ▲ ▼ to make your selection from 1 to 23

Press ENTER to highlight the first value

```
Exit1    timer    1
    0:00    00:00:00
```

ON TIME hours : mins

OFF TIME hours : mins : secs

Press ▲ ▼ to change value
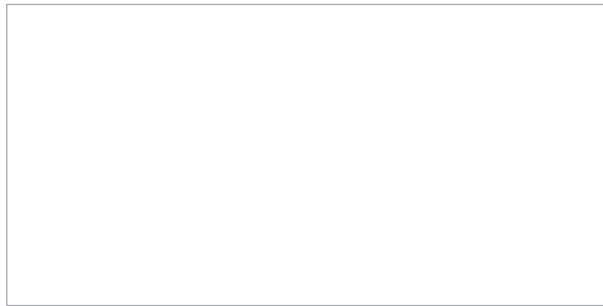
```
Exit1    timer    1
    0:00    00:00:00
```

Press ENTER to highlight the next value

Pressing SAVE EXIT will save your entry

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