

2A SILENT DAY/NIGHT FAN CONTROLLER



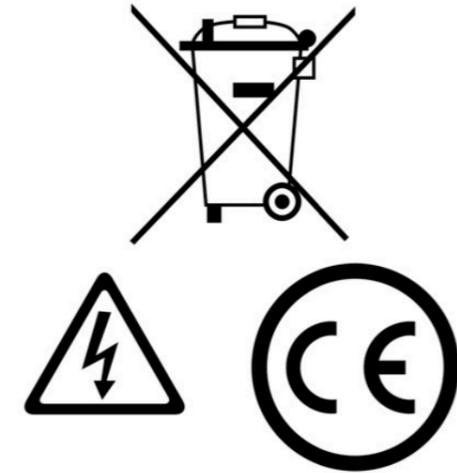
Instruction for

Installation

Set-up

Operation

RATING IP20



Thank you for choosing the silent day/night climate controller.

Please read the instructions carefully and follow the illustrated guide to ensure correct setup before use.

SAFETY GUIDANCE NOTES

1. This 2A controller should not be overloaded and care should be taken to ensure that the correct size fans are always used and the total load of this unit is never exceeded.
2. Do not use with fans what will cause more than a 2A load.
3. Do not use where it might be subjected to direct or indirect water and spray.
4. Always ensure the controller and associated equipment is correctly earthed.
5. For use with single speed fans only.

DO NOT Install and use this product in any of the following environments.

- * Excessively high humidity
- * Temperatures are less than -5°C and $+40^{\circ}\text{C}$
- * Near flammable liquids, vapours or gases.

SETUP GUIDE

1. Ensure equipment is secured in position before plug-in them into the controller.
2. Plug your main fan/fans into the plug sockets marked on the controller (inlet/outlet fans can be plugged into, either socket marked main fan 1 or 2) Do not switch the sockets on yet.
3. If using a stand fan plug it into the socket marked "Aux fan", do not switch the socket on yet. (This socket is only for a stand fan; do not use it for a main inlet or extraction fan)
4. If a heater is required while your lights are off you can plug a heater of up to 2kw into the socket marked "heater", do not switch on yet.
5. Position the light sensor below the reflectors within your light spread.
Make sure the sensor is facing upwards towards the light and not obstructed in anyway.
6. Plug the controller into the mains power socket on the wall and switch the power on via the switch on the wall socket.
7. Turn the unit on by using the on/off power switch located on the side of the unit.
8. Now the four sockets on the controller can be turned on.
9. Using the "day fan speed dual" turn the dial up gradually from 1 to 5 until desired air flow is achieved whilst anticipating possible temperatures your growing area may reach when lights are on.
10. Using the "night fan speed dial" turn the dial up gradually from 1 to 5 until desired air flow is achieved for when you lights are off, whilst take into consideration possible night time temperatures your growling area may reach.
11. The ideal day and night fan speed setting can be found by monitoring the growing area temperature over a period of time and selecting a speed which best suits your environment.

NORMAL OPERATION

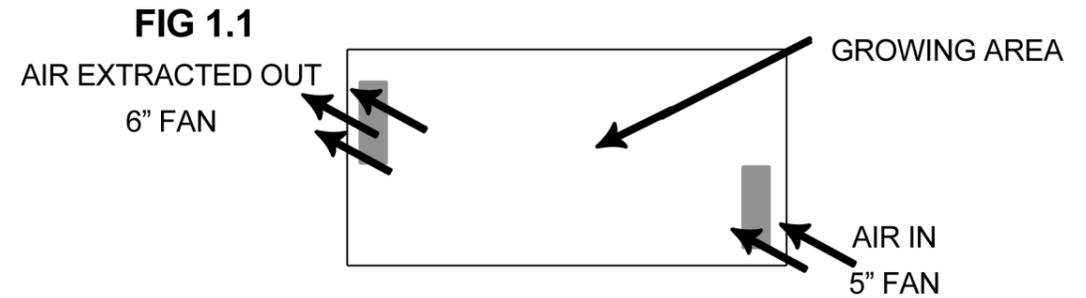
In day time mode the stand fan will switch on to help move air in your growing environment.

When lights turn off during night time mode the heater socket will switch on, allowing you to compensate for loss of that provided by your lighting units.

Negative pressure is important as this ensures that all contaminants are filtered through your extraction system correctly.

To create negative pressure within the growing area there needs to be a larger amount of air being extracted from than is being brought in, this is usually achieved by using a slightly larger fan on the outlet than on the inlet as shown in the example diagram below. FIG 1.1

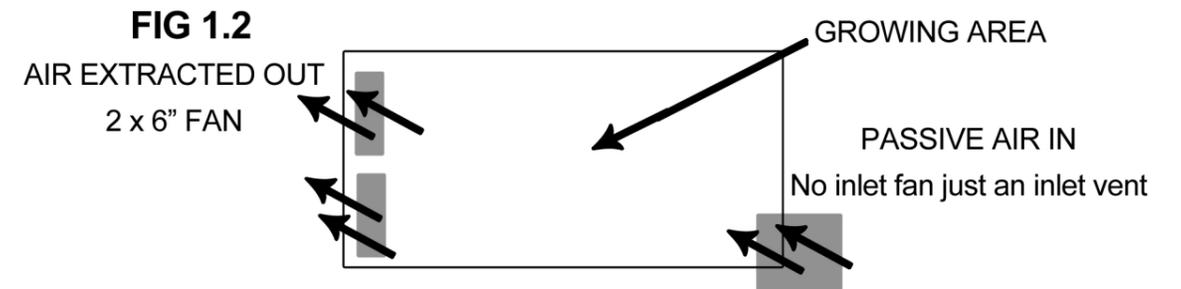
Two fans of equal size should not be used for air in and air out because negative pressure will not be generated.



PASSIVE INLET OPERATION

When using the controller it is possible to use it with either one or two fans extracting air and with no inlet fan bringing air into your growing area.

To do this there must be an unrestricted vent that allows air to move in freely as in FIG1.2



The size of the inlet vent will determine the amount of negative pressure that is created within the growing area. If the inlet vent is too large then negative pressure will be low and unwanted positive pressure will be generated.

SPECIFICATIONS

Total maximum load = 2A

Power in=230 +/- 10% V 50hz

Unit weight = 3.5KG

IP Rating = IP20

MAX 2KW HEATER

WARRANTY

This unit comes with a 12 months warranty.

If found to be faulty please return to the store it was purchased from.

If this unit has been opened, altered or tampered with in any way the warranty will be void.

All the right to alter specification without further notice has been reserved.