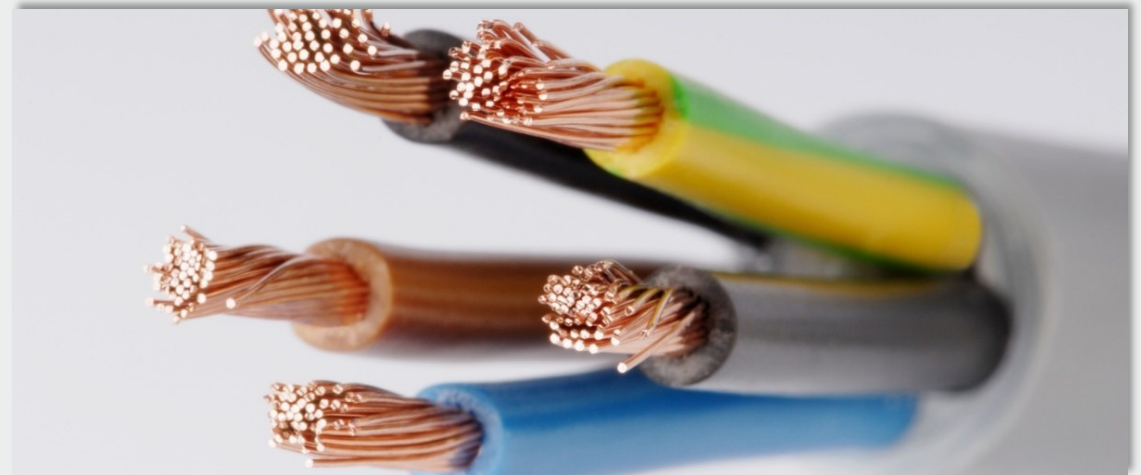


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Rooflight Wiring Guide:

24 Volt Wall-Mountable Control Module
+ Optional Remote-Control & Rain Sensor

Ventec 100 Series Climate Control Module
with Rain Sensor



Rooflight **Wiring Guide**

Contents:

24 Volt Wall-Mountable Control Module + Optional Remote-Control & Rain Sensor

Pages 2-4: Wiring Guide (Including Rain Sensor)

Page 5: Programming your Remote Control

Ventec 100 Series **Climate Control Module + Rain Sensor**

Pages 6-9: Wiring Guide and Control Settings

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Wiring Guide:

24 Volt Wall-Mountable Control Module

Optional Remote-Control + Rain Sensor



Safety Notice

Wiring Must Be Carried Out by A Qualified Electrician

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If you have opted for an opening rooflight with a wall mountable control module, this guide outlines how to wire the control module to your rooflight and mains power supply. This guide also covers how to wire a rain sensor, along with synchronising your remote control, if this has been opted for.

The wall mounted control module does not have to be wall mounted - If you have also opted for remote control operation, you can conceal the control module out of site use the remote control as your sole means of operation. We advise in this scenario, that you still use the provided back box, as this will protect your wired connections on the control module. If concealing, you must locate the control module in an accessible location, should any maintenance be required in future.

Please note: Your control module receives your remote-control signal and operates to a maximum 20-metre range. Please bear this in mind when positioning your control module.

What will I receive?

As standard, in addition to your rooflight you will receive:

- Your wall mounted control module + 2 machine screws
- 1x white plastic backbox (wall fixings not provided)

If you have added remote control operation with rain sensor, you will also receive:

- Your remote control + 2x AA batteries
- 1x wall mountable holder with adhesive pad
- 1x rain sensor*

*For the Flat Hinged Opening Rooflight and Roof Access Rooflight, your rain sensor will come pre-fitted to your rooflight. For the Opening Luxlite and Slimline Lantern with vent, you will receive the rain sensor and mounting bracket separately, to install in a location of your choice.

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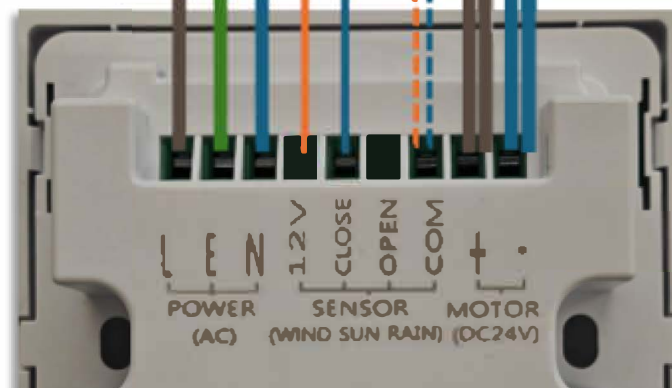
Wiring Guide: 96W Module

24 Volt Wall-Mountable Control Module

Mains Power 230v AC

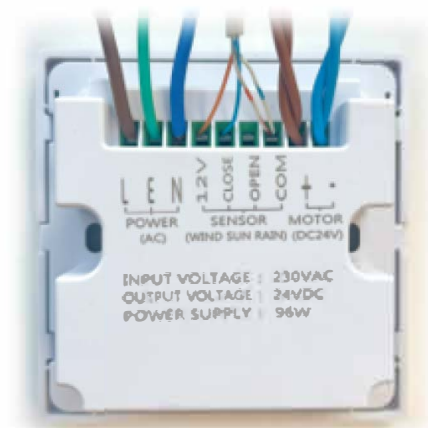
We Recommend you run off a fused spur placed in an easy to access location, enabling you to isolate power to your rooflight if required.

Neutral to 'N'
Earth to 'E'
Live to 'L'



Optional Rain Sensor*

Solid Orange to '12V'
Solid Blue to 'CLOSE'
Orange/White to 'COM'
Blue/White to 'COM'



Rooflight Actuator*

This diagram shows 2 brown and 2 blue for a rooflight with 2 motors.

Live (+) For a single motor only one brown and one blue would be needed.
Neutral (-)

* PLEASE NOTE WHEN EXTENDING CABLES...

From Rooflight Actuator – Your rooflight actuator/s will come with approx. 1 metre of cable, so extending your cables to the location of your control module will be necessary. Due to the motor/s being 24v, you need to ensure you use a cable with a minimum 2mm core thickness when extending your cables. The cables should not be extended over 10 meters.

For 2 motors, you need to ensure both cables are extended the same length from each motor to the control box, with two blue and two brown going into each port to ensure they operate at the same time and speed.

From Rain Sensor – Please follow exactly the same guidance as the rooflight actuator in terms of cable thickness required. You may use a 3-core cable, as the orange/white & blue/white cables can run into a single core (both are wired to the COM terminal).

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Wiring Guide: 200W Module

24 Volt Wall-Mountable Control Module

Mains Power 230v AC

We Recommend you run off a fused spur placed in an easy to access location, enabling you to isolate power to your rooflight if required.

Neutral to 'N'
Live to 'L'



Optional Rain Sensor*

- Orange/White to 'COM'
- Blue/White to 'COM'
- Solid Orange to '+12V'
- Solid Blue to 'CLOSE'



Rooflight Actuator*

Connect multiple actuators to the same the terminals for rooflight.

Live (+)
Neutral (-)

* PLEASE NOTE WHEN EXTENDING CABLES..

From Rooflight Actuator – Your rooflight actuator/s will come with approx. 1 metre of cable, so extending your cables to the location of your control module will be necessary. Due to the motor/s being 24v, you need to ensure you use a cable with a minimum 2mm core thickness when extending your cables. The cables should not be extended over 10 meters.

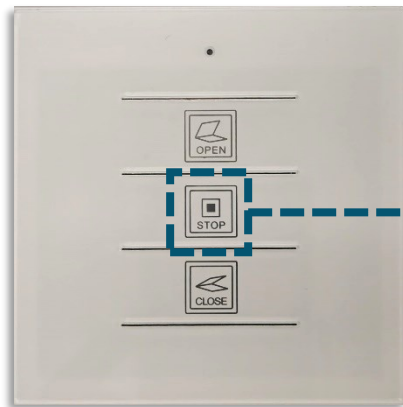
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From Rain Sensor – Please follow exactly the same guidance as the rooflight actuator in terms of cable thickness required. You may use a 3-core cable, as the orange/white & blue/white cables can run into a single core (both are wired to the COM terminal).

Wiring Guide:

24 Volt Wall-Mountable Control Module – Programming Your Remote Control

If you have opted for remote-controlled operation, you will need to synchronise your remote control to the control module for it to work. The below instruction shows this is achieved in 2 simple steps. Firstly, please ensure the control module is connected to the power supply and the blue LED is lit solid (not flashing), and you have put the supplied batteries into your remote control before proceeding.



- 1) Press and hold the stop button on the control module for 5 seconds until the blue LED light begins to blink.
- 2) Within 10 seconds of the LED blinking on the control module, press and hold the 'up' button on your remote control. The blue light should no longer blink on the control module and should now be solid.

Your remote control is now paired to your control module, and you will be able to use both devices to control your rooflight.



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Wiring Guide:

Ventec 100 Series
Climate Control Module + Rain Sensor



Safety Notice

Wiring Must Be Carried Out by A Qualified Electrician

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If you have opted for a Slimline Roof Lantern with a Ventec 100 series climate control module and rain sensor, this guide outlines how to wire the control module to your rooflight vent actuator, rain sensor and mains power supply.

The wall mounted climate control module houses a built-in thermostat and is designed to allow you to set your minimum and maximum desired room temperatures. Should your room exceed the maximum temperature set, it will trigger your vent to open which will in turn disperse the heat in the room. When the room then falls below your minimum desired temperature, the thermostat will trigger your vent to close, preventing further heat loss.

What will I receive?

In addition to your Slimline Roof Lantern, you will receive:

- Your wall mounted climate control module + 2 machine screws
- 1x white plastic double sized backbox (wall fixings not provided)
- 1x rain sensor with 12 metres of cable*

*You must install the rain sensor in a location that rainfall will reach it when it rains, preferably away from a wall that might shield it from the rain, should it be raining at an angle. A recommendation would be to use sticky pads to mount it onto the glass near the base of the roof lantern, which will also give it the angle required, as mentioned in the wiring guide.

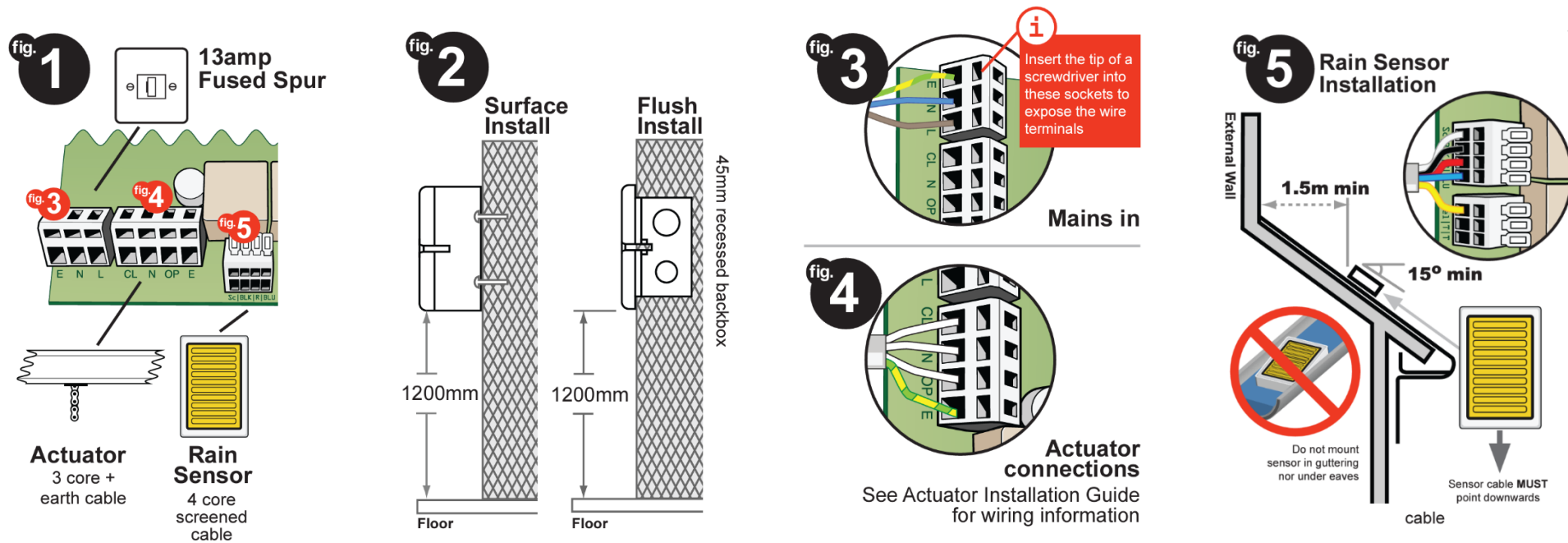
We also recommend you clean your rain sensor quarterly, so it continues to perform as intended. A soft, damp microfibre cloth should be sufficient for this.

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Wiring Guide:

Ventec 100 Series Climate Control Module + Rain Sensor

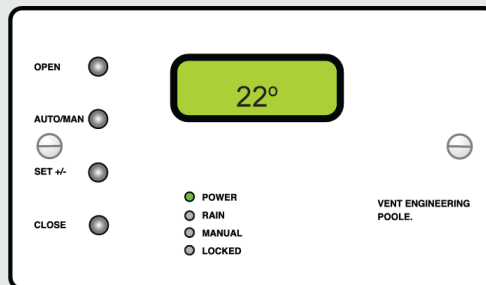


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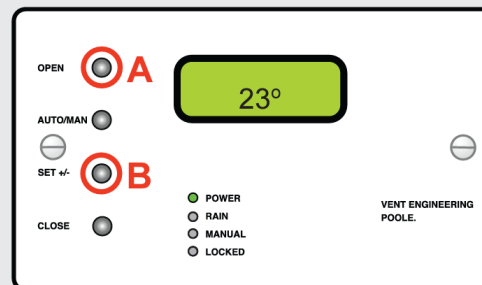
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Additional user settings

Preset Opening Temperature

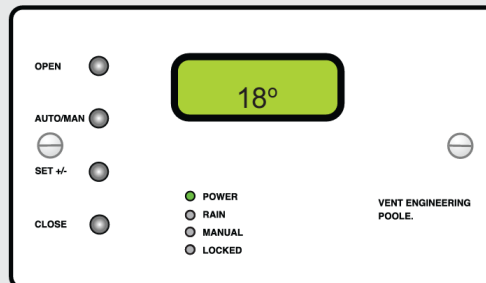


To adjust opening temperature

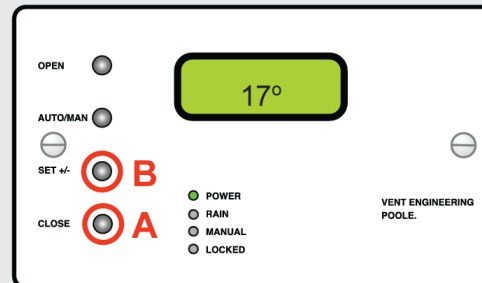


In Auto mode, hold 'A' & repeat press 'B'

Preset Closing Temperature



To adjust closing temperature

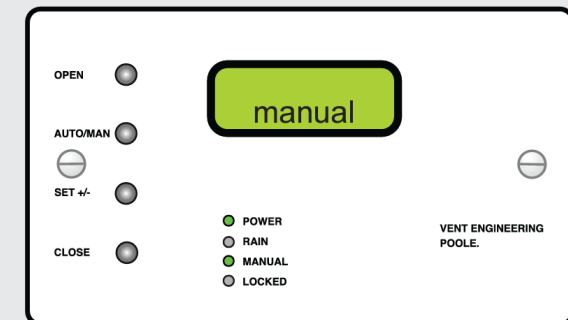


In Auto mode, hold 'A' & repeat press 'B'

We advise a difference of at least 2° between the opening and closing temperature.

To manually open and close

Press and hold **AUTO/MAN** for 2 seconds until **MANUAL** light comes on then use the **OPEN** or **CLOSE** buttons to adjust the window position.



Press and hold **AUTO/MAN** for 2 seconds to return to automatic mode.

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Troubleshooting - Ventec 100 Series Climate Control Module

- It has recently stopped raining, but my windows have not opened again. Why is this?

In Auto mode the 100 series controller has a built-in time delay of 5 minutes between the rain sensor drying and the unit becoming fully operational. This will be indicated by the presence of the Rain LED on the front panel. For the unit to operate, the current temperature will need to be higher than your desired opening temperature. In manual mode you should have full control of the unit.

- Only the set +/- button on my panel does anything?

This means your panel has been locked. To unlock your unit, see the instructions at the end of page 12.

- Can I change the default lock/unlock code?

No. The code has been preset to avoid the need for a complete system reset should the new code be forgotten.

- My rain sensor seems to have become less responsive. Why is this?

Check the unit has not slipped or fallen into an undesired position and try cleaning the metallic sensor plate with a soft damp cloth. We recommend the rain sensor is cleaned on a quarterly basis to ensure it works as intended.

Advanced Operations - Ventec 100 Series Climate Control Module

The default settings of the 100 series control Module are suited to most user applications. However, if you need to make advanced alterations to the thermostat, actuator, and lock calibration, then please use the following guide.

To enter 'advanced' setup, set your unit to "AUTO" mode then press and hold the **AUTO/MAN** plus **SET +/-** buttons simultaneously for 5 seconds.

Your screen should now read -

ADV
SETUP

After a moment the screen will change to display -

To Advance
Press SET +/-

Using **SET +/-** is how you scroll through the available options and saves each stage of any alteration. Now press **SET +/-**. The screen will read -

To + a value
Press Open

The Open button is used to increase any value. Press **SET +/-** again. The screen will read -

To - a value
Press Close

The Close button is used to decrease any value. Press **SET +/-** again. The display will read -

Proceed to
ADV Setup

Now you can proceed to the advanced setup options. Press **SET +/-** again. The display will read -

Room Temp
is now XXc

'XX' being the current temperature in your room.

By using **Open (+)** and **Close (-)**, you can calibrate the display temperature.

Continued on next page....

Advanced Operations - Ventec 100 Series Climate Control Module

Continued....

Press **SET +/-** again. The display will read –

```
Full open  
Cycle 013sec
```

13 seconds is the amount of time for the motor to operate and fully open. In most cases this default setting is adequate. You can of course alter this setting for your actuator, by pressing the **Open (+)** and **Close (-)** buttons.

Press **SET +/-** again. The display will read –

```
Opening  
Temp =22c
```

This relates to the temperature that the room must reach before the actuator will operate. You can alter this setting by pressing the **Open (+)** and **Close (-)** buttons.

Press **SET +/-** again. The display will read –

```
Closing  
Temp =18c
```

This relates to the temperature that the room must fall to before the actuator will operate. You can alter this setting by pressing the **Open (+)** and **Close (-)** buttons.

Press **SET +/-** again. The display will read –

```
AUTO LOCK  
MODE OFF
```

Using auto lock is a security feature that prevents the unit from being used without entering a passcode first. You can turn this on or off by pressing the **Open (+)** and **Close (-)** buttons. Press **SET +/-** again will take you back to 'AUTO' mode.

THE UNLOCK SEQUENCE IS (Press buttons in this order): Button 2 (**AUTO/MAN**)-Button 1 (**OPEN**)-Button 3 (**SET +/-**)-Button 4 (**CLOSE**)