

ROOF MAKER

WORLD CLASS ROOFLIGHTS



PREPARATION OF ROOF AND FINISHING GUIDE

TRADITIONAL LANTERNS BEING INSTALLED BY ROOF MAKER

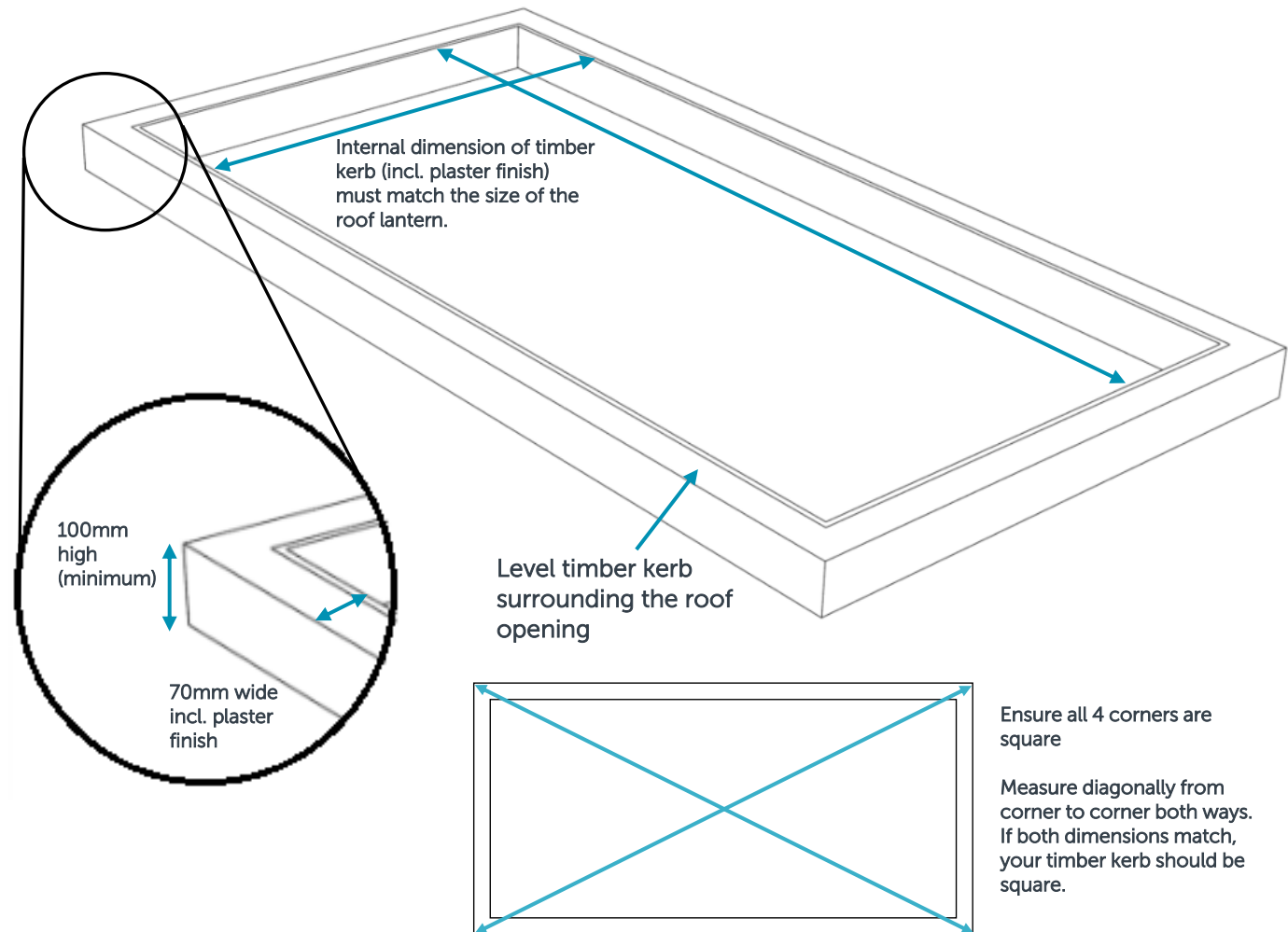
PREPARATION OF ROOF AND FINISHING GUIDE – TRADITIONAL ROOF LANTERNS BEING INSTALLED BY ROOF MAKER

STEP 1 – PREPARING YOUR TIMBER KERB

Create a level timber kerb around the opening you have formed in the roof, measuring a minimum of 70mm in width (including the internal plaster finish), with a minimum height of 100mm from roof level (this can be increased if required).

The internal dimension of your kerb (including plaster finish) should also match the size of the roof lantern ordered.

Check the timber kerb is perfectly square by measuring diagonally from corner to corner, before fully fixing to the roof.

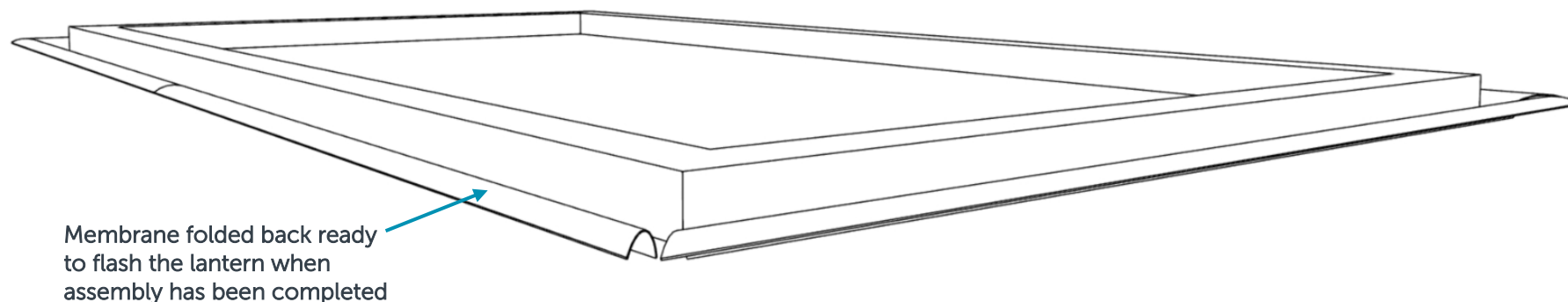


STEP 2 – ROOF MEMBRANE

We recommend you add the roof membrane after the lantern has been installed.

If you are applying the roof membrane in advance, we recommend you leave enough excess membrane around your prepared timber kerb, to be able to flash the roof lantern following the installation.

Ensure the membrane is folded back suitably so our installation team can get to the timber kerb to fix the lantern in place.



The timber kerb is now ready for our installation team to install your roof lantern.

Your Sales representative will have issued you with a Build on Site form as part of the sales process. This outlines the site requirements from a Health and Safety aspect and must be completed and returned before we can book your installation date.

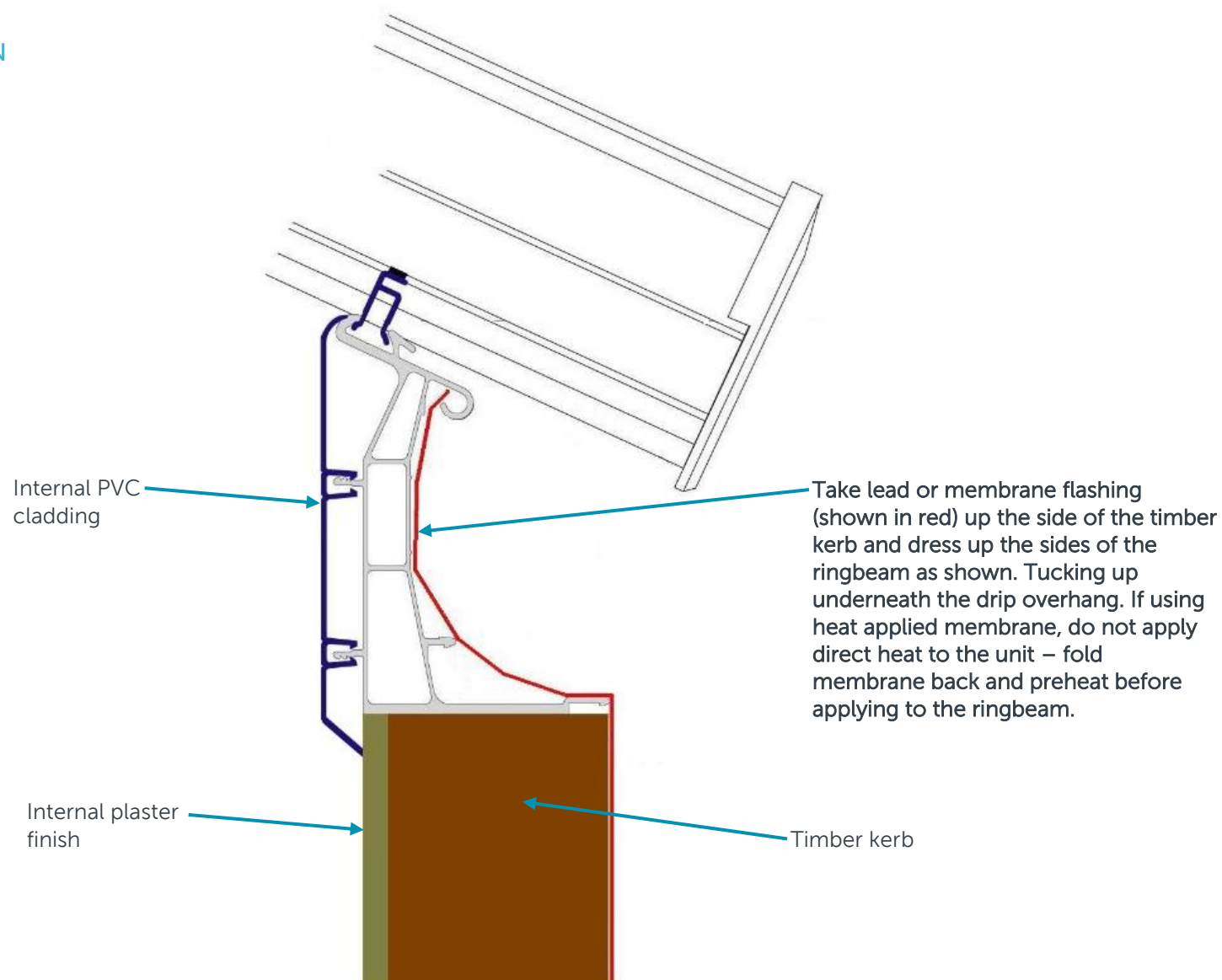
The next section covers the flashing requirements that need to be carried out by your builder/roofing contractor after our team of installers have completed the installation. This is important as it acts as the final stage of weatherproofing the lantern.

STEP 3 – FLASHING THE ROOF LANTERN FOLLOWING INSTALLATION

This section drawing illustrates how the flashing material dresses up the side of your timber kerb and forms around the outside of the lantern's ringbeam.

Once the unit has been flashed on all 4 sides, the installation of your Traditional roof lantern is complete.

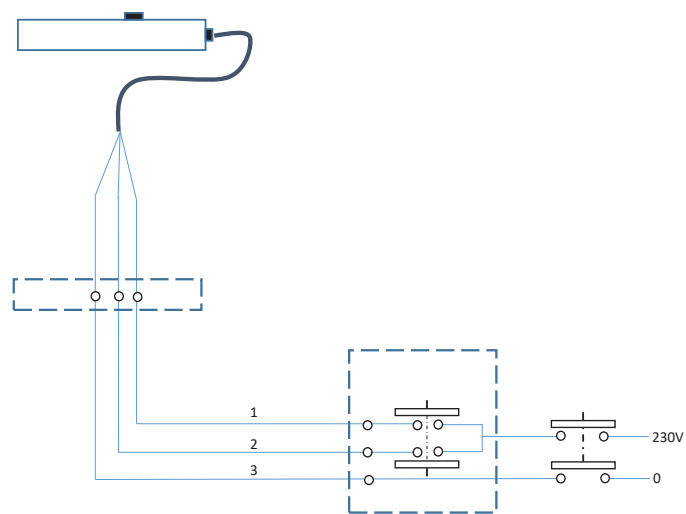
Ensure that a qualified electrician carries out the wiring aspect of the installation if you have electronic opening vents. Wiring guides for both rocker switch controlled and climate controlled (with rain sensor) opening vents, can be found on pages 4-7.



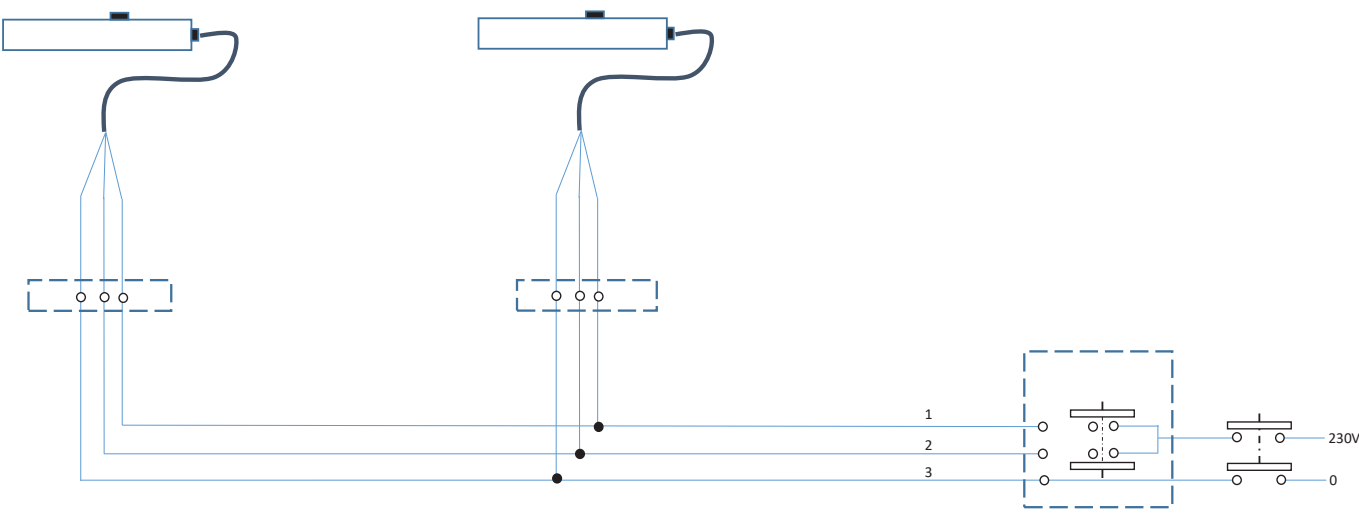
ROCKER SWITCH CONTROLLED OPENING VENT – WIRING DIAGRAM (3 CORE CABLE)

The diagram below illustrates how you need to wire in your opening vent to your switch, giving examples for both a single vent or when 2 vents have been included.

3 CORE - SINGLE MOTOR



3 CORE - MULTIPLE MOTORS



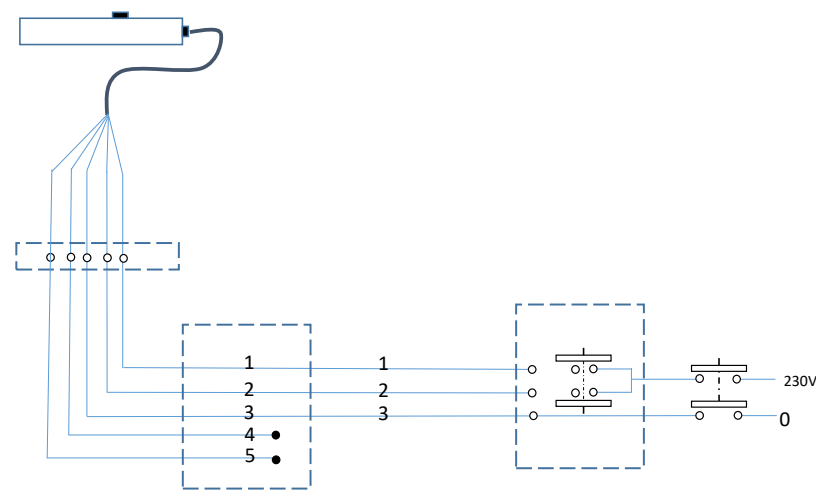
Colour	Number	Signal
Brown	1	Opens
Black	2	Closes
Blue/Grey	3	Common

Refers to both single and multiple motors.

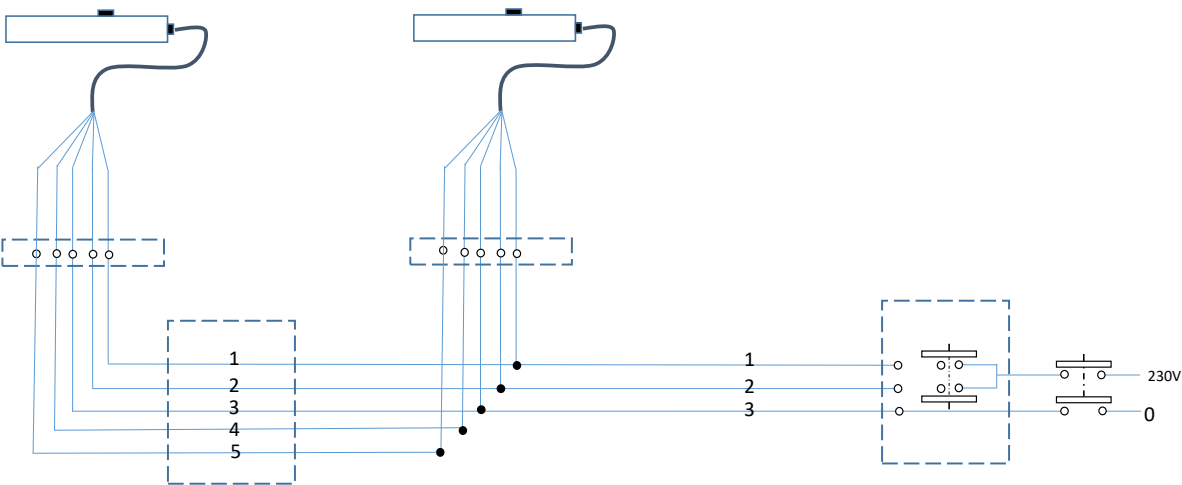
ROCKER SWITCH CONTROLLED OPENING VENT – WIRING DIAGRAM (5 CORE CABLE)

The diagram below illustrates how you need to wire in your opening vent to your switch, giving examples for both a single vent or when 2 vents have been included.

5 CORE - SINGLE MOTOR



5 CORE - MULTIPLE MOTORS



Colour	Number	Signal
Brown	1	Opens
Black	2	Closes
Blue	3	Common
Red	4	Sync
White	5	Sync

Refers to both single and multiple motors.

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THERMOSTATIC AND RAIN CONTROLLER / OPENING VENT

Call us: 0116 269 6297

Mon – Fri 9-5pm

The below diagrams show the wiring in process for when you have chosen a climate-controlled operation with rain sensor.

ADVANCED OPERATIONS GUIDE

The default settings of our 100 series controller are suited to most user applications.

However, if you need to make advanced alterations such as; 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.

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

Full open
Cycle 013sec

013sec 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 autolock 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:

Button 2 [AUTO/MAN]

Button 1 [OPEN]

Button 3 [SET +/-]

Button 4 [CLOSE]

Continued on next page...

FREQUENTLY ASKED QUESTIONS

Q. Where is the temperature sensor?

A. The Ventec 100 Series comes with an internal temperature sensor.

cleaning the metallic head with a soft damp cloth. We recommend the rain sensor is cleaned on a quarterly basis.

Q. Where do I mount my temperature sensor?

A. If you have opted for the external temperature sensor, the location is entirely at your discretion. We would recommend a position that gives a good average reading of the desired location, ideally at least 1300mm from the floor. *You can choose to position the thermostat a maximum of 30m away from the control panel.*

Q. It has recently stopped raining but my windows have not opened again?

A. 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.

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

A. This means your panel has been locked. To unlock your unit see the instructions on the back page.

Q. My display shows 0.0 - Is this correct?

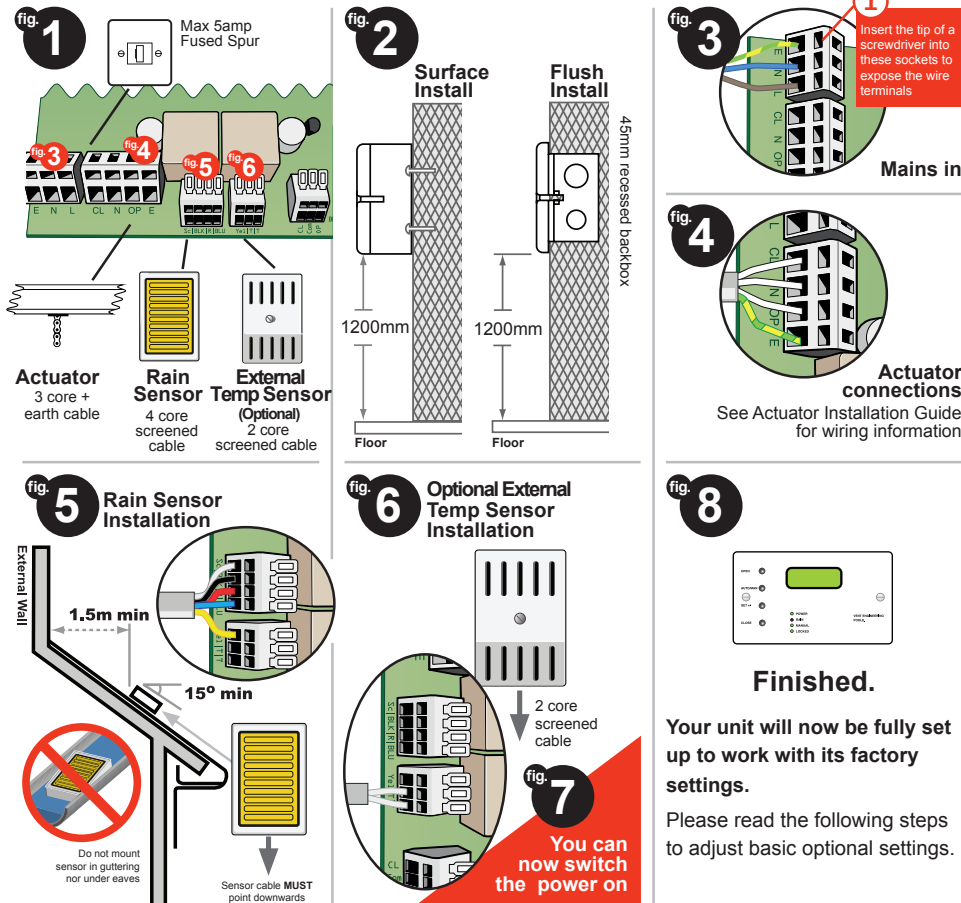
A. This indicates a problem with the thermostat wiring. Check the wiring and that all connections have been correctly made.

Q. Can I change the default lock/unlock code?

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

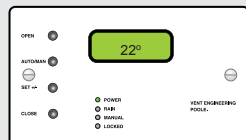
Q. My rain sensor seems to have become less responsive?

A. Check the unit has not slipped or fallen into an undesired position and try



Additional user settings

Preset Opening Temperature

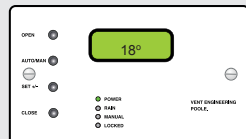


To adjust opening temperature

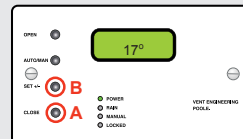


In Auto mode, hold 'A' & repeat press 'B'

Preset Closing Temperature



To adjust closing temperature

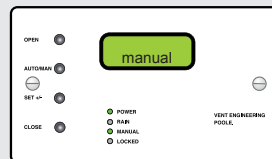


In Auto mode, hold 'A' & repeat press 'B'

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.