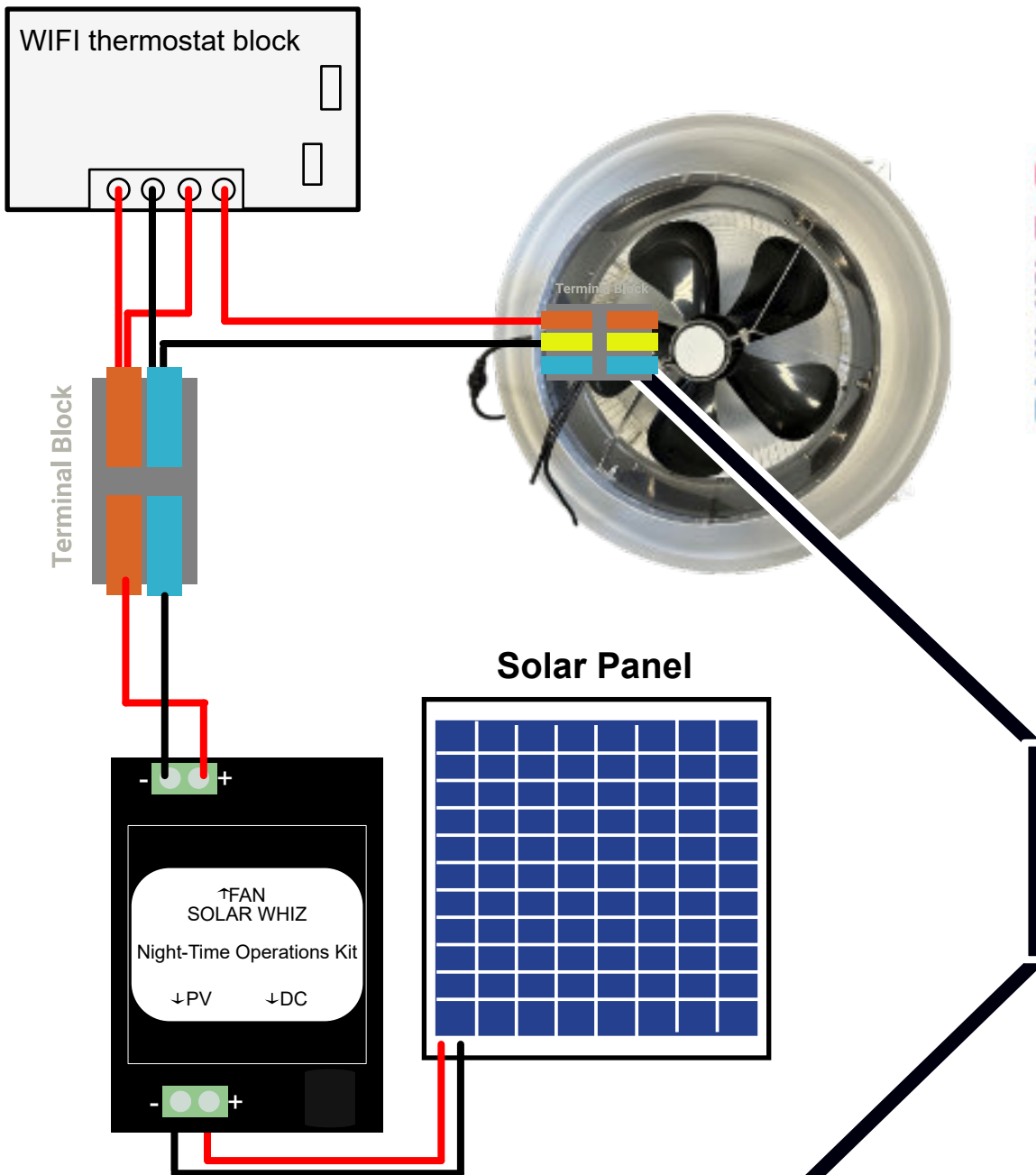
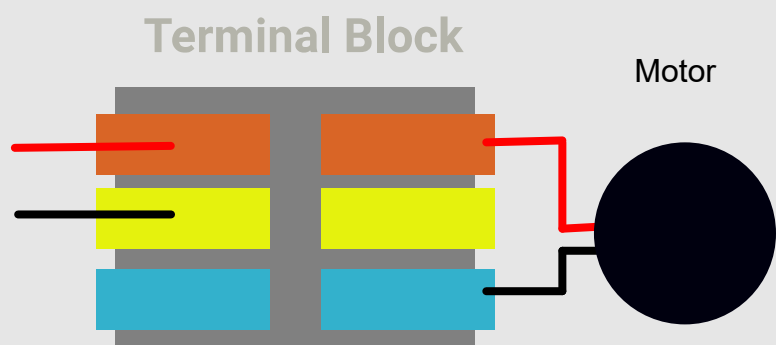


WIFI Thermostat and Night Ops - Wiring Loop Diagram



This terminal block with 3 colours is located on the motor arm. The red and black wires from the wifi thermostat connect to the motor via the 3 colour terminal block as illustrated below



WiFi Thermostat and Night Operations



WIRING OF WIFI THERMOSTAT

Tools needed:

Wire strippers, wire cutters, wire connectors/wago clips

Components needed:

Wifi controller, 2 x 1m lengths two core cable, 3 x short lengths of cable (2 x red/1 x black will help the process – see photo), night operations kit

Step one:

Insert the short lengths of cable to the thermostat as shown in photo below:

Step two:

Grab one of the 1m lengths of two core cable, strip both wires and both ends. Place the positive wire (red) in the 4th open slot on the thermostat (far right).

Then twist to join the two positive (red) cables together, and do the same with the two negative (black) cables. Then connect the two positive and two negative cables into a wire connector (see second picture).

Step three:

You are now ready to connect the thermostat to the Solar Whiz and Night operations kits. Looking inside your Solar Whiz box, remove the cable ties that hold the cabling to the motor arm, including the one holding the wire connector.

On the PV panel side, remove both the positive and negative cable from the existing 3wire connector that comes with the Solar Whiz. These cables need to be joined to a 2wire connector, and then connected to the PV panel input side on the Night Operations Kit.

Step four:

Looking back to the 3wire connector that came with the Solar Whiz, you can now remove the positive and negative wires from this connector. You can discard this 3wire connector.

The positive and negative wires you have removed, now need to be connected to a 2wire connector. Then grab the 1m 2 core cable you connected to the thermostat in Step Two, and grab the other end of this cable. The positive and negative wire need to be connected into the other side of the 2wire connector.

Step five:

You now need to connect the other side of the night operations kit to other side of the 2wire connector you joined with the cables coming out of the thermostat in Step two.

Once this has been done, your Wifi Thermostat should be connected!

Testing:

To check whether the wiring has been completed correctly, we strongly recommend testing prior to installation. To do so, you simply need to plug your transformer into the DC connection port on your night operations kit. Your WiFi Thermostat should by default be set to heat, and have a start temperature of 30 degrees.

That means, if the temperature where you are is less than 30 degrees, your unit should start as soon as you plug the DC connection from your transformer into your night operations.

If the Solar Whiz doesn't start when this is done, you may have made a mistake with the wiring and you'll need to start the process again.

If the Solar Whiz runs, congratulations- you have successfully wired up your WiFi Thermostat!

For instructions on how to set/adjust the Wifi Thermostat, please see our operating instructions.