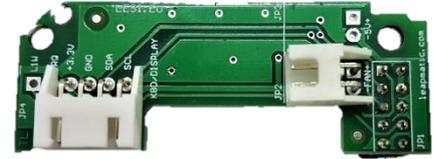# HATL02F

Automatic fan control module for Raspberry Pi with I2C pins.

Do you want to the life of your fan, reduce its noise and control it automatically?
With this MaticControl fan module you can! As a bonus, the second
connector provides access to the I2C pins.

I2C pins along with a 3.3V pin are often used to connect displays
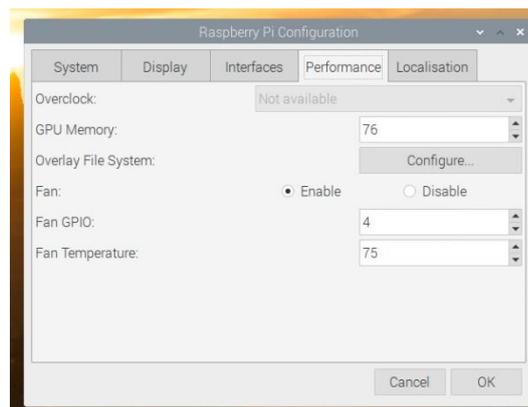or other modules that use an I2C pins

Place it on pins 1-10. And this is all you have to do on the hardware.
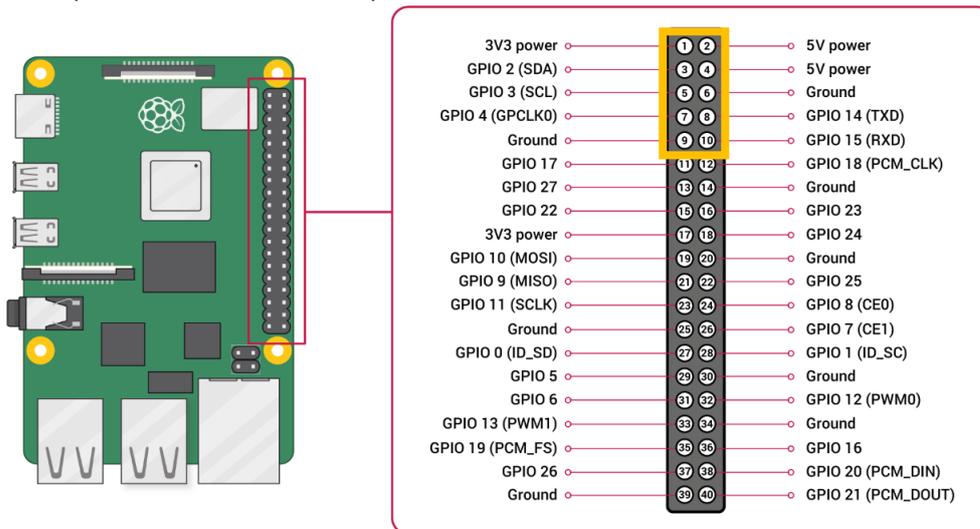
About the software about automated fan control you have two options:
1. Graphical

From Raspberry icon > Preferences> Raspberry Pi Configuration > Performance tab >set fan enable;
Fan GPIO 4; and the temperature at which you want the fan to turn on. Save with OK

Thus, when the processor reaches the temperature you set, the fan will turn on. It will turn on off
only when the processor temperature drops 10 degrees below the set on temperature. (For example,
if you set the On temperature to 75 degrees, the fan will turn off when the processor reaches 65
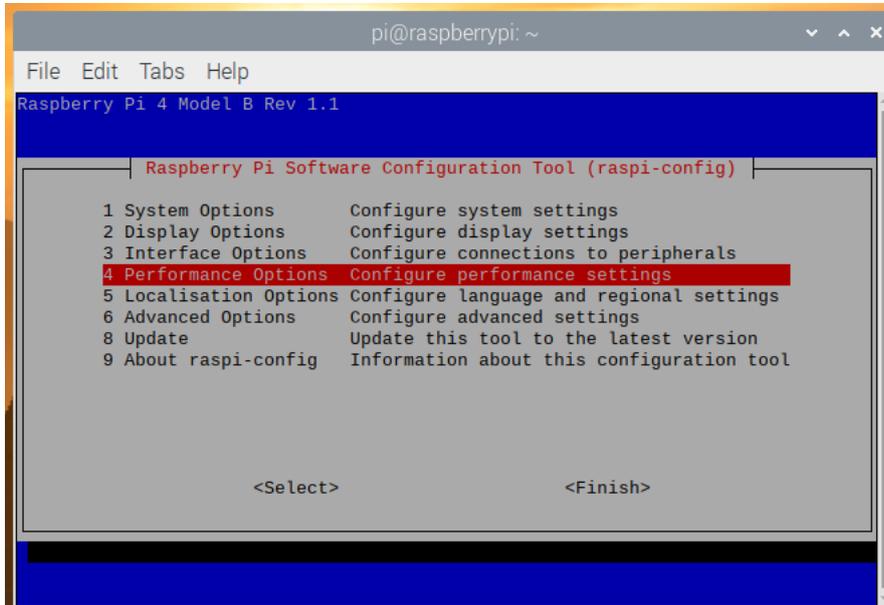degrees).
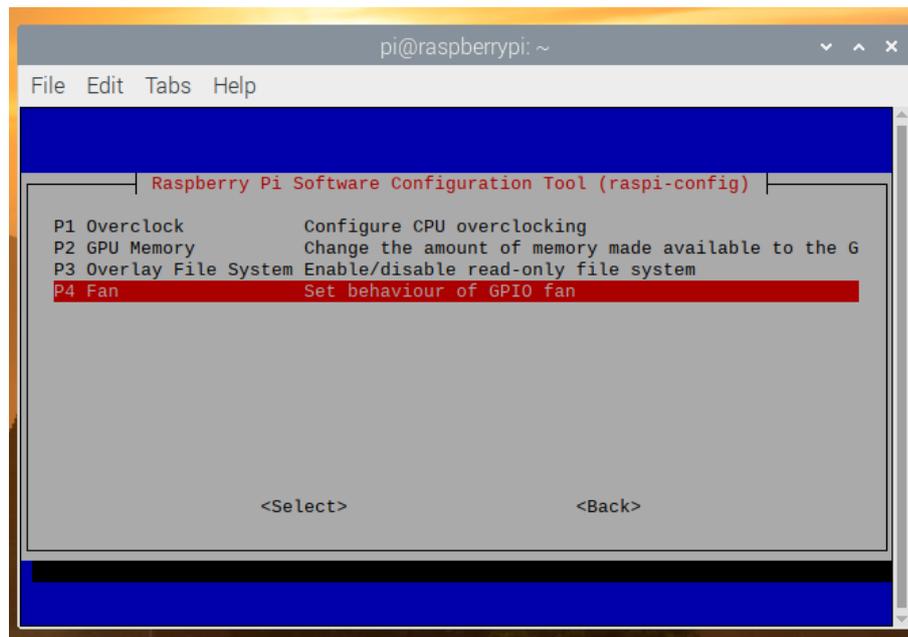With these few easy steps, you now have automatic fan control.

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Open the Console and type
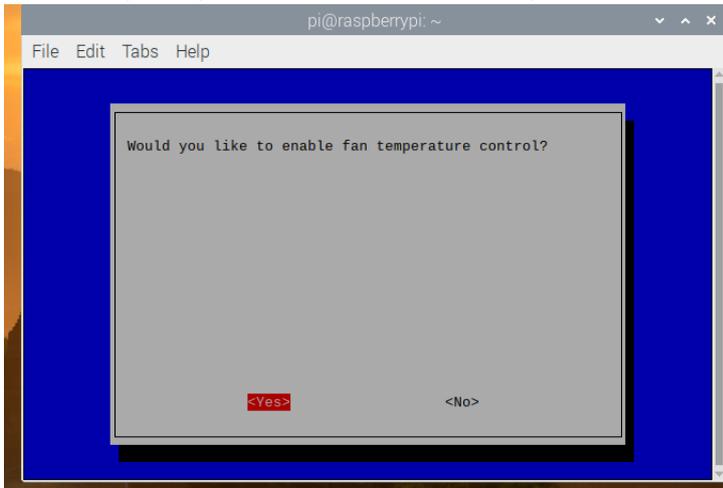"sudo raspi-config "

You will open a graphical interface menu where you need to choose Performance Options:
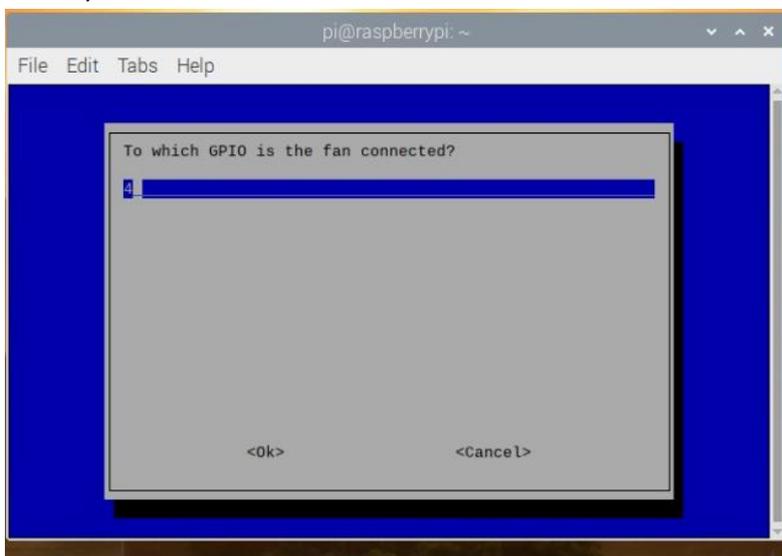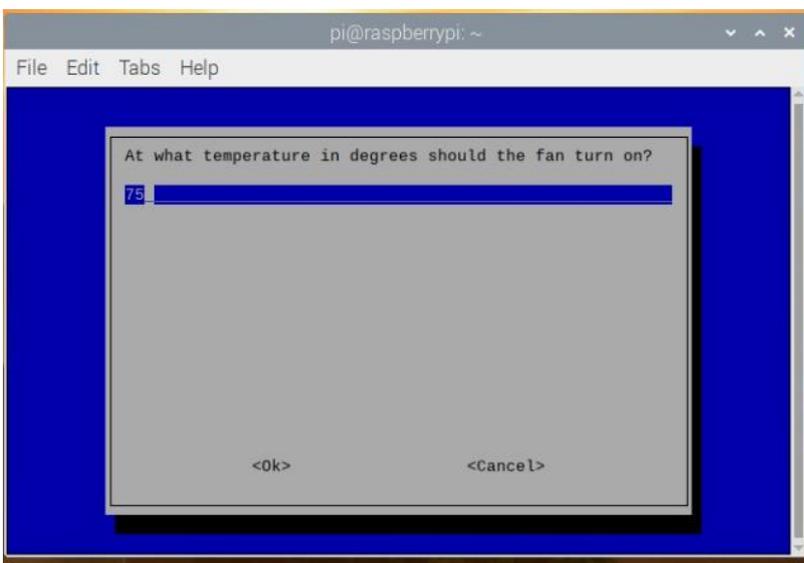

Then Choose "Fan"

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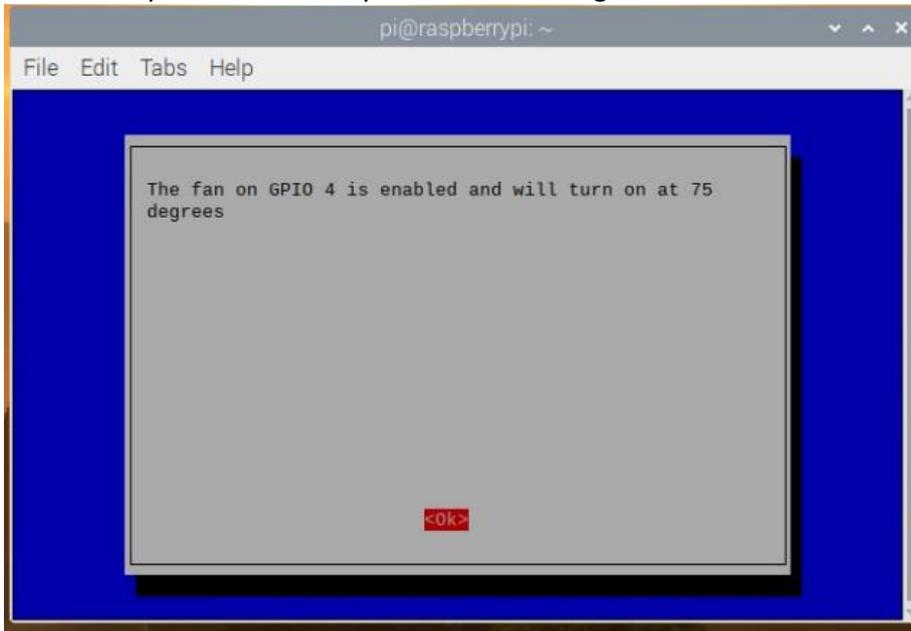It will ask you if you want to enable fan temperature control? – Choose "Yes"

Here you need to set GPIO 4

Then set the temperature on which the fan will turn on

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At last the system will inform you about the changes.

Note: This MaticControl module provide access to I2C pins via separate connector on the top of the board, so you can use them but it covers the pins for: 5V power supply, GPIO14 (TXD), GPIO15 (RXD). If you want to use them we offer modules (HATs) that provide access to these pins via separate connector on the top of the board.

Electrical Scheme of the module:

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