Instructions for the automated kettle

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1. - Wiring

(see diagram for exact pin locations)

1.1 - From the resistor (Temperature probe)

Yellow wire -> GPIO 4

Red wire -> Pin 1

White wire -> Pin 6

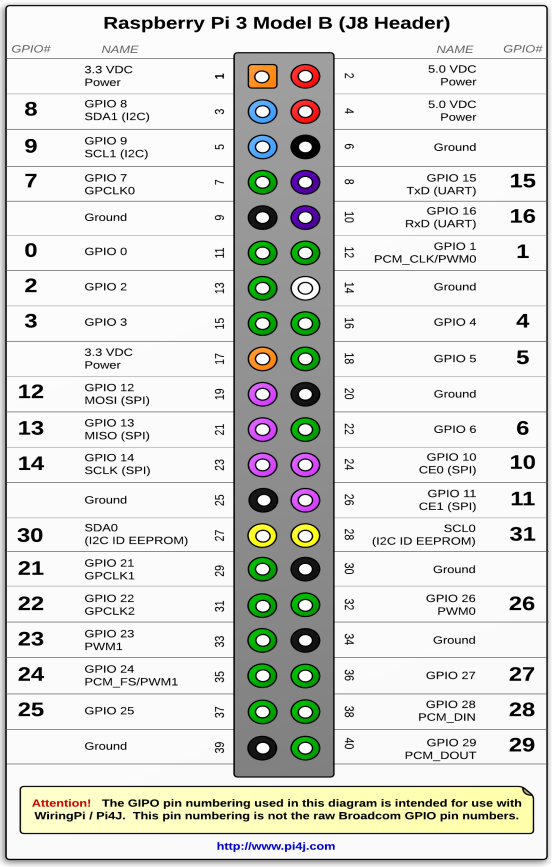
1.2 - On the relay

VCC -> Pin 2

IN1 -> any GPIO pin, it is chosen on the web interface

GND -> Pin 9

1.3 - Raspberry Pi pinout



2. - Run the web server

On the Raspberry Pi (via SSH)

User : pi

Password : p

```
cd ~/autokettle/webapp
```

Update the Github repository

```
git pull
```

Run the web server

```
./run.sh
```

3. - Use the kettle

3.1 - Connect to the web interface

Raspberry Pi IP:5000 or bouilloire.nsi.lan:5000

3.2 - Using the interface

In the sandwich menu, enter the GPIO pin used for the relay and the desired water temperature

Click on 'Submit' to validate this information (normally it is stored)

3.3 - Fire in the hole !

Click on 'Heat up' on the main menu to start the kettle, it will stop when the desired temperature is reached

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4. - Credits

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