

# Pool Temperature Controller Wiring

Thursday, 4 March 2021

5:39 pm

## Relay

Relay Switch	Yellow	Pin 16 (GPIO 23)
Ground	Orange	Pin 6
V <sub>cc</sub> +5V	Green	Pin 2

## Temperature Sensor (DS18B20) x 2

Data	White	Pin 7 (GPIO 4)
Ground	Black	Pin 9
V <sub>cc</sub> +3.3V	Red	Pin 17

## LCD

SDA1	White	Pin 3 (GPIO 2)
SCL1	Green	Pin 5 (GPIO 3)
V <sub>cc</sub> +5V	Red	Pin 4
GND	Black	Transistor Collector
Transistor Emitter	Blue	Pin14 (GND)
Transistor Base	White	Pin 38 (GPIO 20)

## Motion Detector

Data	Yellow	Pin 22 (GPIO 25)
Ground	Purple	Pin 34
V <sub>cc</sub> +3.3V	Red	Pin 1

## AUTO/MANUAL SWITCH

Ground	Orange	Pin 25
V <sub>cc</sub> +3.3V	Brown	Pin 12 (GPIO 18)

V <sub>CC</sub> +3.3V	Brown	Pin 42 (GPIO 10)
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### ON/STANDBY SWITCH

Ground	Green	Pin 39
V <sub>CC</sub> +3.3V	Yellow	Pin 40 (GPIO 21)