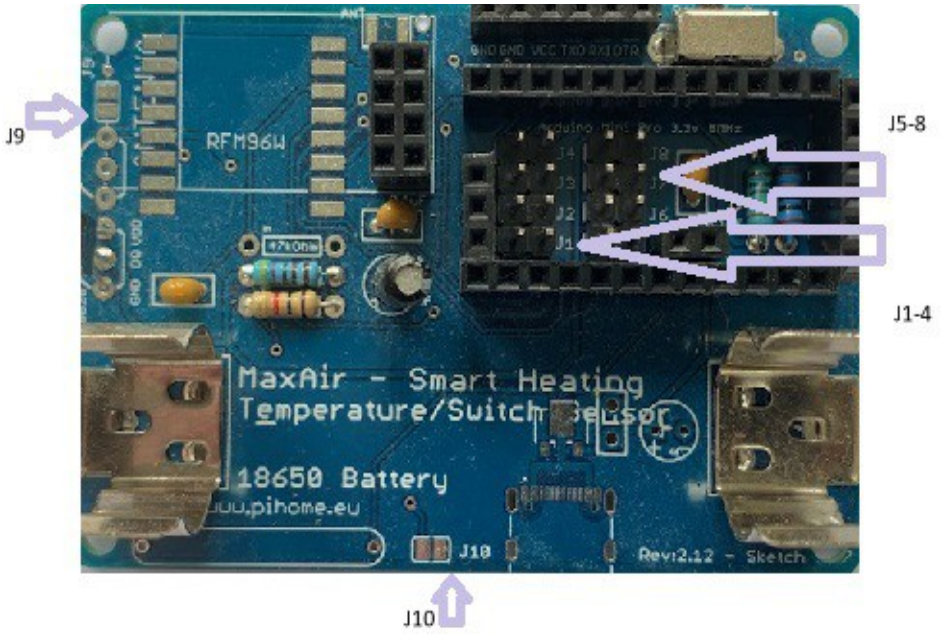
MaxAir Technical – Sensor and Relay Boards with Jumpers

Introduction

MaxAir PCBs are available for both Sensors and Relay Controllers, these PCBs have jumper pins available for configuration of the 'Node ID' and other parameters.

Sensor Ver 2.12

Sensor PCB Ver 2.12 has a total of 10 Jumpers, labelled J1 to J10.



Jumpers J1 to J4 are used to set the Node ID value, where J1 and J2 are used in combination to set the tens part of the Node ID and jumpers J3 and J4 the units part.

Jumpers J1 and J2		**Jumpers J3 and J4**	
Jumpers	**Node ID**	**Jumpers**	**Node ID**
None	2x	None	x0
J1	3x	J3	x1
J2	4x	J4	X2
J1 and J2	5x	J3 and J4	x3

Hence no jumpers installed will result in a Node ID of 20 and all jumpers installed will result in a Node ID of 53.

Jumpers J5 to J8 usage:

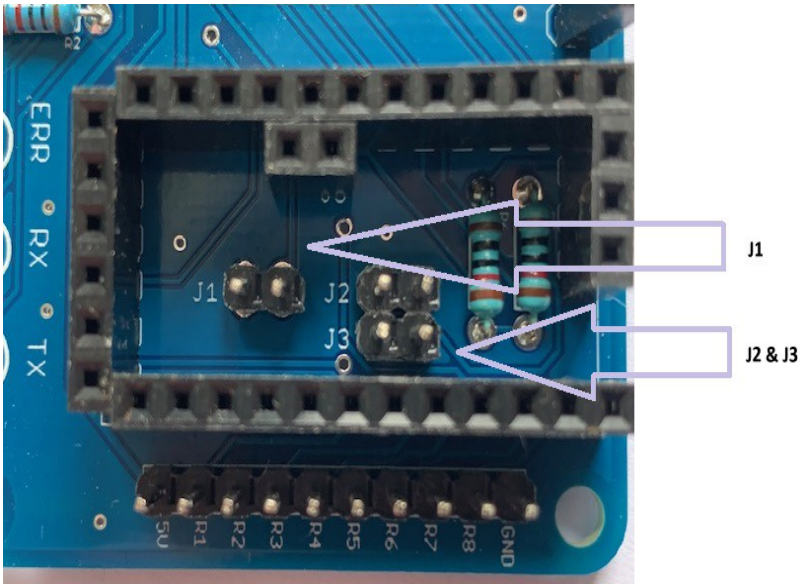
Jumper	Usage
J5	COMPARE_TEMP (No Jumper = 1, Jumper = 0, Jumpers ignored if myCompareTemp not initialised to 0 in sketch).
J6	COMPARE_BVOLT (No Jumper = 0, Jumper = 1, Jumpers ignored if myCompareBvolt not initialised to 0 in sketch)
J7	NOT USED
J8	NOT USEd

There are also two solder jumper pads, J9 and J10, usage is:

Jumper	Usage
J9	MAX_ATTACHED_DS18B20 (No Jumper = 1, Jumper = 2)
J10	ENABLE REED SWITCH (No Jumper = disabled)

Relay Controller Ver 1.0

The relay controller PCB has a total of three jumpers, labelled J1, J2 and J3.



Jumper J1 is used to select the relay ON trigger state, jumpers J2 and J3 are used to select the Node ID, usage is:

Jumpers J1	**Jumpers J2 and J3**	
Used to select the relay trigger level. No Jumper – Negative Trigger Jumper – Positive Trigger	**Jumpers**	**Node ID**
	None	100
	J2	101
	J3	102
	J3 and J4	103