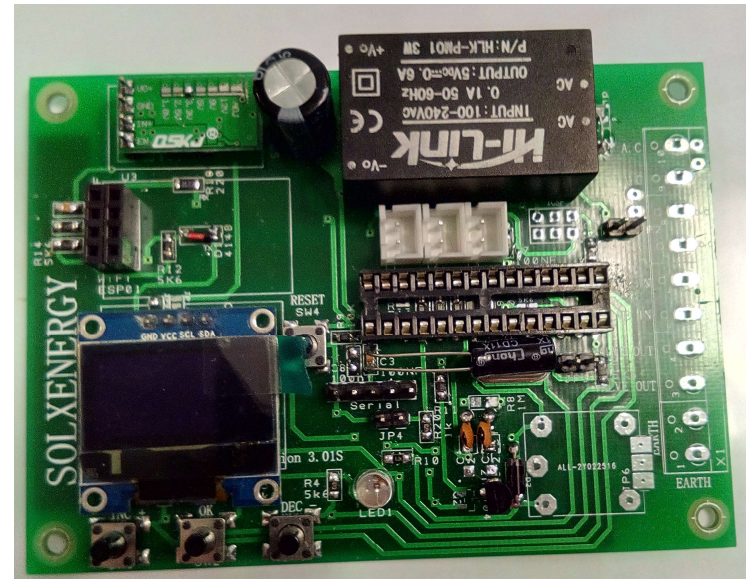


JasonKits

3D Guardian



JASONKITS

3D PRINTER GUARD

Version 1.0 July2018

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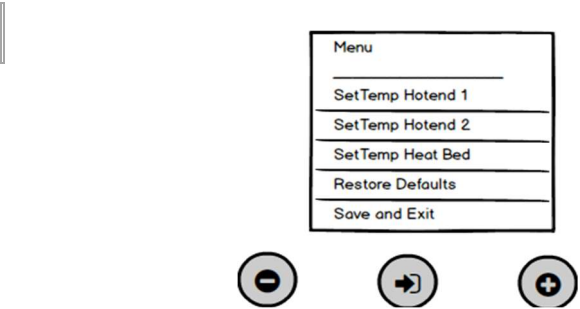
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
Menu Navigation

The controller has three buttons.

Decrement Value / Scroll Down.	OK/Enter	Increment Value/ Scroll up
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Menu 4: Defaults



Menu

SetTemp Hotend 1

SetTemp Hotend 2

SetTemp Heat Bed


Restore Defaults

Save and Exit

Selecting this option will cause the controller to load the preset factory default in memory.

To store it user has to select option 5

Menu 5: Save Settings



Menu

SetTemp Hotend 1

SetTemp Hotend 2

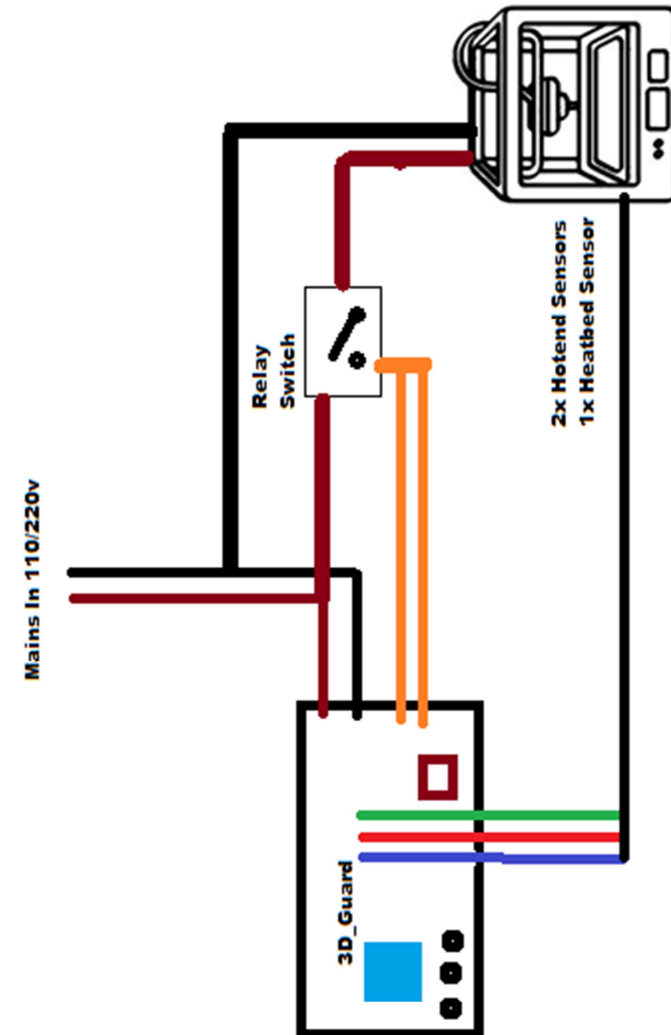
SetTemp Heat Bed

Restore Defaults

Save and Exit

Selecting this option causes the values stored in memory to be stored permanently in the controller. Once stored the new settings will load every time the controller is applied with reset

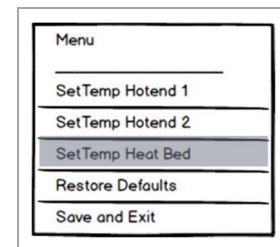
Connection - Wiring Diagram



8



Menu 3: Set Temp Heat bed Option



Set Temp Hot end 1 allows setting the threshold trigger temperature for hot end 1.

The set value is instantly saved in eeprom in case the controller is switch off. .

Set Temp Hot end 2 allows setting the threshold trigger temperature for hot end 2.

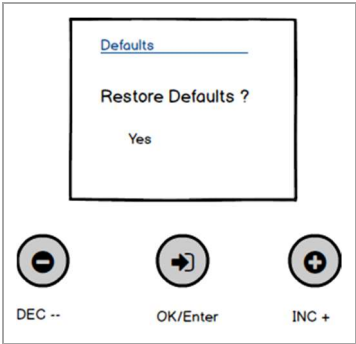
The set value is instantly saved in eeprom in case the controller is switch off.

Set Temp Heat bed allows setting the threshold trigger temperature for heat bed.

The set value is instantly saved in eeprom in case the controller is switch off. .

Menu Options

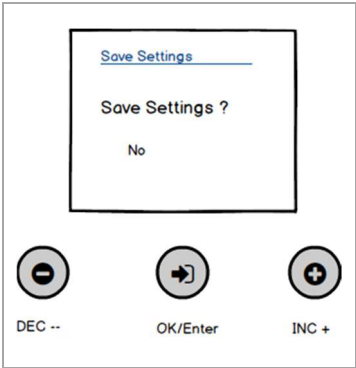
Defaults Option



On the Main menu, selecting the **Defaults option** by using the **INC** or **DEC** buttons and pressing the **OK/Enter** button will cause menu to enter the defaults option.

Pressing the **INC** or **DEC** button will toggle the state from **YES** to **No**. Pressing the **OK** button executes the Restore.

Save Settings Option

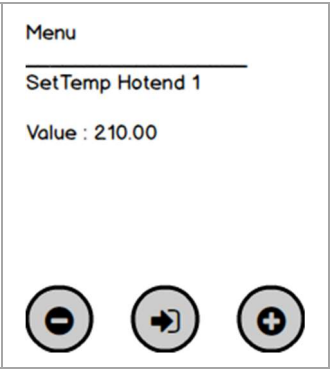


On the Main menu, selecting the **Save Settings** option by using the **INC** or **DEC** buttons and pressing the **OK/Enter** button will cause menu to enter the Save Settings option.

Pressing the **INC** or **DEC** button will toggle the state from **YES** to **No**. Pressing the **OK** button executes the Save option.

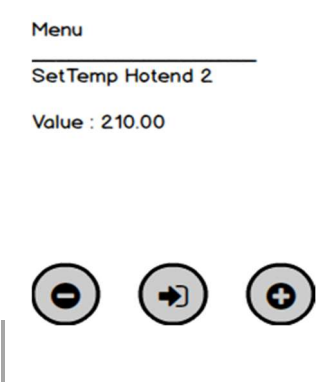
Menu Options

Set Temp Hot end 1 Option



On the Main menu, selecting the Set Temp Hot end 1 option by using the **INC** or **DEC** buttons and pressing the **OK/Enter** button will cause menu to enter this option. By pressing the buttons, **INC** or **DEC** the value changes to the desired temperature. Pressing ok will cause it to be save in eeprom

Set Temp Hot end 2 Option

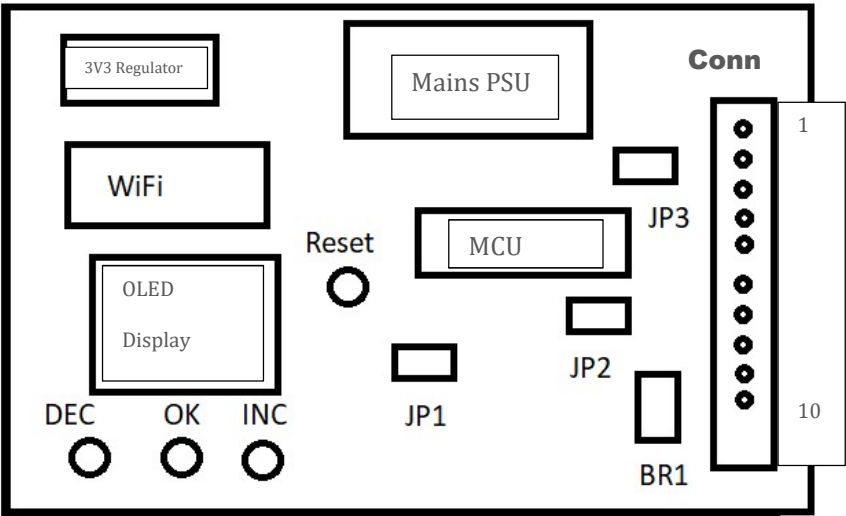


On the Main menu, selecting the Set Temp Hot end 1 option by using the **INC** or **DEC** buttons and pressing the **OK/Enter** button will cause menu to enter this option. By pressing the buttons, **INC** or **DEC** the value changes to the desired temperature. Pressing ok will cause it to be save in eeprom

Values showed are in Degrees

Board Layout and Connections

Board layout



Pin and Jumper Description

Jumper	Description
JP1	Mode Option
JP2	Reset Alarm Switch
JP3	Mode Option
BR1	Output relay NC/NO Solder Jumper

Connector – Pin Number	Description of Pin
1	A.C IN – Live
2	A.C IN -- Neutral
3	Relay – Common wiper
4	N/C
5	N/C
6	N/C
7	Relay Normally Closed
8	Relay Normally Closed
9	COMMON TO PIN 10
10	COMMON TO PIN 9

Button Description

Button	Description
Reset	Reset the controller
Dec -	Decrement/change the value/option
Ok/Enter	Selects the option chosen
Inc +	Increment/change the value/option