



User Interface Elements

- | | |
|-----------------------------|------------------------|
| 1 Humidity sensor output | 6 Options |
| 2 Temperature sensor output | 7 Slider value |
| 3 Light sensor output | 8 Slider range |
| 4 Control Module | 9 Slider value setting |
| 5 Status | |

User Guide

1. Control Module

This user interface section determines whether the user wants to control the modules manually or set it to be automated.

Options:

- 1.1. **Manual** - This option requires for the user to control the three greenhouse environmental modules presented below.
- 1.2. **Auto** - This feature has not yet been implemented.

2. Temperature Module

This module controls the heater toggle on/off.

Options:

- 2.1. **On** -Toggle Heater on.
- 2.2. **Off** - Toggle Heater off.

3. Humidity Module

This module controls the servo motor element that opens the greenhouse enclosure in order to bring down the humidity level.

Options:

- 3.1. **Open** - Opens the greenhouse enclosure.
- 3.2. **Close** - Closes the open greenhouse enclosure.

4. Light Module

This module controls the LED strip intensity in the range of 0 to 100%.

- 4.1. **Slider** - Determines the value of LED light intensity 0-100.
- 4.2. **Set Button** - Sets the chosen value.