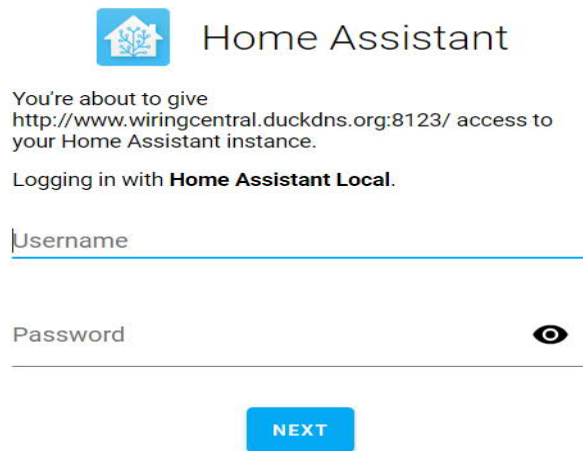



## Hydronic Automation Operation Manual

- 1.) The automation for the controls is on the home automation platform:  
“*Home Assistant*”
- 2.) Open a browser on any device connected to the Local Area Network (LAN) router (Internet Explorer, Google Chrome Etc).
- 3.) Web address for apple products Iphones or Ipads, also Linux’s systems  
<http://rasperrypi.local:8123> (you could try on Windows 10)  
For all others devices you will need to find the IP address and then add  
“:8123” to the end:  
For example <http://10.1.1.4:8123>  
You could go into your router and see connected devices look for  
“Raspberrypi” or  
If your phone is connected to the router you could download this App:  
[https://play.google.com/store/apps/details?id=com.overlook.android.fing&hl=en\\_IN&gl=US](https://play.google.com/store/apps/details?id=com.overlook.android.fing&hl=en_IN&gl=US).
- 4.) You will be prompted with Home Assistant  
Default
  - i. User Name: Vinny
  - ii. Password: 1234567




 Home Assistant

You're about to give  
<http://www.wiringcentral.duckdns.org:8123/> access to  
your Home Assistant instance.

Logging in with **Home Assistant Local**.

Username

Password  

**NEXT**

**Password can be changed once logged in:**

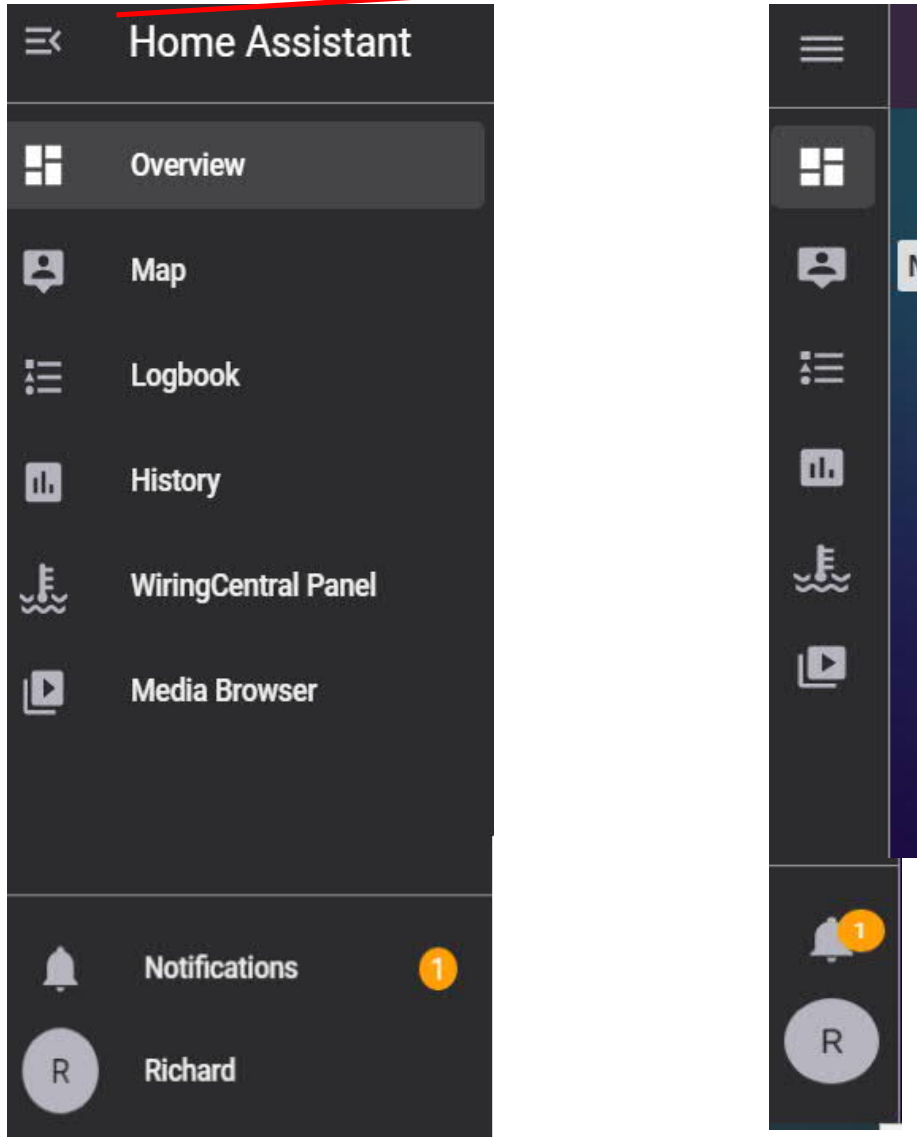
The bottom left will have an Icon as a circle with either an initial of your Username or your Username; for example: “David” or “D” , select this  
On the right side scroll down you will see a section “Change Password”  
If you forget your password you will need to contact us to reset the password

- 4.) Once login you are at the HomePage  
The left sidebar is not important except the first tab “Overview”

If you can read names on icons on the left hand side you can reduce the left margin to just icons

The top left has “Home Assistant” click the less than sign <  
This will increase the view of your thermostats and reduce the sidebar

Select this arrow to reduce column to that below

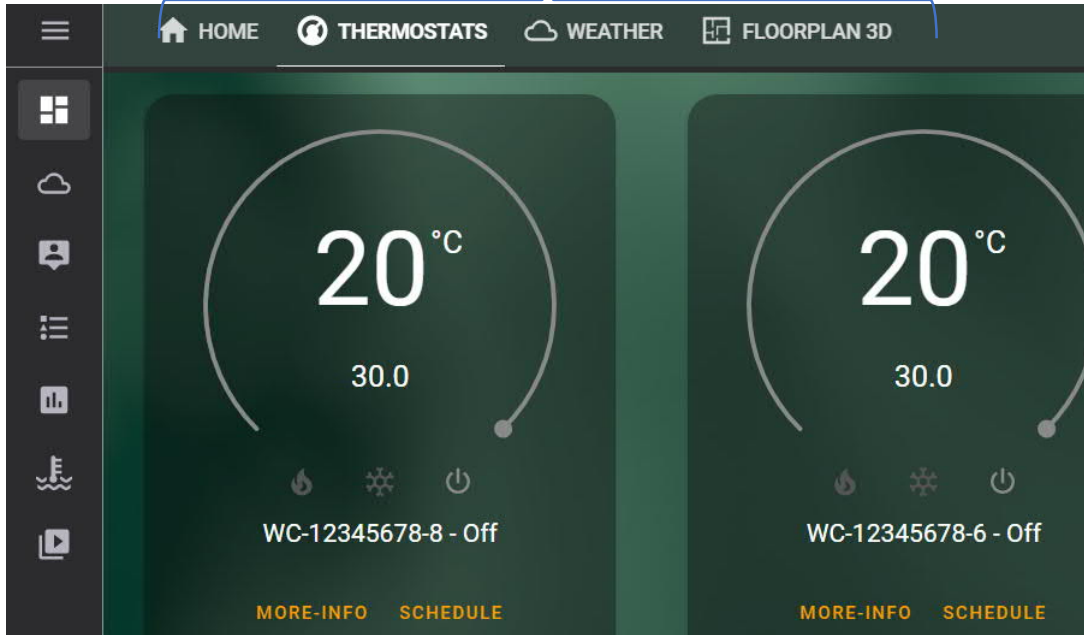


You could also make the sidebar disappear by clicking on the Username, the figure above shows “Richard” or “R”.

There is an option: “Always hide the sidebar” select this option.

5.) The Tabs across the top will vary depending on your set up  
The "Main Control" should show all your thermostats

Tabs across the top



**5.) Operating the thermostat**

Room Temp

Select cool mode

Select Heat mode

Name of Thermostat  
State of thermostat =  
Heat/Cool - On/Off or Off

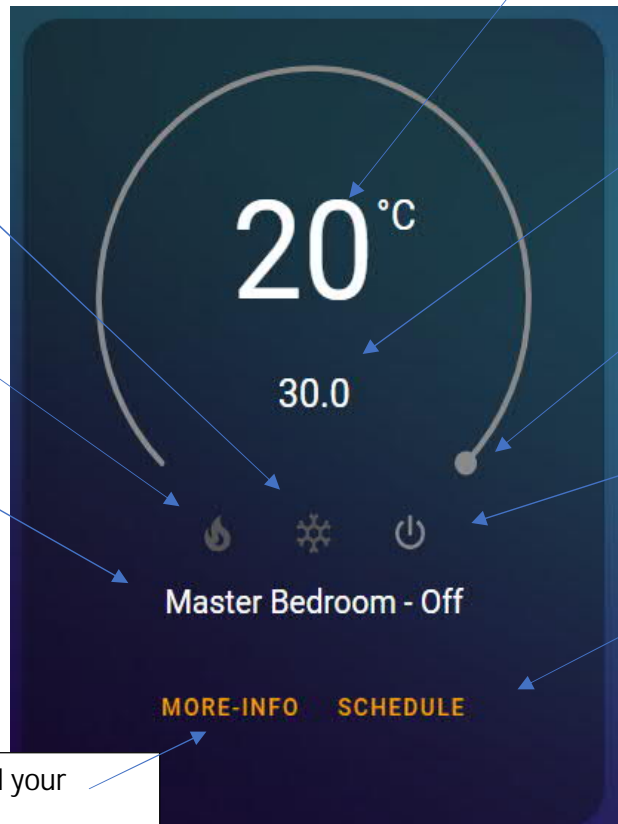
Target or set-

Selecting dot  
moving along the line  
changes target temp

Turns off thermostat

Set On and Off  
Times and dates

This is another way to change all your inputs except the schedule. You also see a history of the temperature



Typical view of the Dashboard page



## 7.) Schedule

Figure B: Schedule

The schedule is broken into sections

- 1.) **Default Settings** (top section) and
- 2.) **Custom Settings** (bottom section)

### Default Settings

Is set into two sections left and right:

- 1.) Monday – Friday (left side) and
- 2.) Saturday – Sunday (Right Side)

To enter a set time select:

- “Start Hour” and
- “Start Min”
- “End Hour”
- “End Min”
- “Target Temp” (Desired Temp for heating or cooling to reach before turning off)
- “Days” (week days or weekend)
- “Status” (mode, Heat, Cool or Off)
- You now must select “**ADD NEW DEFAULT**”
- It should now appear above either Monday – Friday or Saturday – Sunday
- To edit a time just select the line and it will appear in the input line.

- You can edit the times or delete the entry completely.
- Top left next to “Default Settings” must select “ON” for the settings to work
- You must “Save Changes”

Once you have your various Default time schedules over the week for the one thermostat it will appear in all the other thermostat default settings.

No need to retype same settings for each thermostat.

You will have to turn on the default settings for each thermostat to be effective. Top left corner.

### **Custom Settings**

Repeat exactly the same as above except you will input in the line above

“ADD NEW CUSTOM”

Once complete you will select “ADD NEW CUSTOM” and it will appear below.

Once again you need to “Save Changes”

### **Trouble Shooting:**

If nothing is coming on the screen you may need to reboot.

Turn the power off to the main controller (Raspberry Pi) and back on after say 10 seconds.

Figure C: Main Controller

