



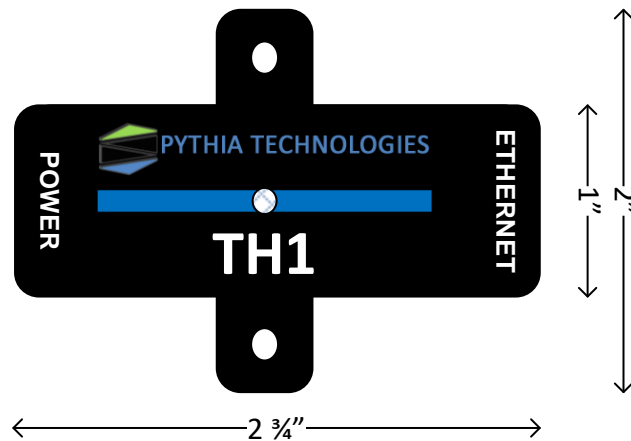
GUIDE

Temperature Humidity 1 TH1 11/22/2024

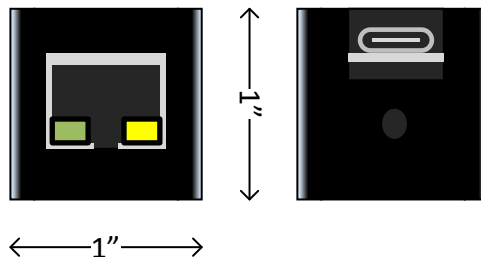
Table of Contents

1. ASSEMBLY	3
1.1 POWER SUPPLIES	3
1.1.1 USB C 20W Charger.....	3
1.1.2 Optional 40W PoE Splitter.....	3
2. LOW VOLTAGE CONNECTIONS	4
2.1 POWER INPUT	4
2.2 ETHERNET INPUT.....	4
2.3 SENSOR CABLE.....	4
3. WEB PAGE	5
3.1 DEFAULT VIEW.....	5
3.2 CONFIG VIEW	6
3.2.1 DHCP/Static IP address	6
3.2.2 HTTP GET/IFTTT	7
3.3 HELP.....	7
4. SOFTWARE INTEGRATION	8
4.1 HTTP	8
4.2 JSON.....	8
4.3 PRTG INTEGRATION	8
4.4 ZABBIX INTEGRATION	8
5. TROUBLESHOOTING	8
6. FACTORY RESET.....	8

1. Assembly



TH1
DHCP Enabled by default
If DHCP fails, IP Address: 192.168.7.123
Reset button on top press for 5s
Default Password: 1234



1.1 Power Supplies

Note: Low power charger or splitter may cause the module to reboot and possibly reset to factory defaults.

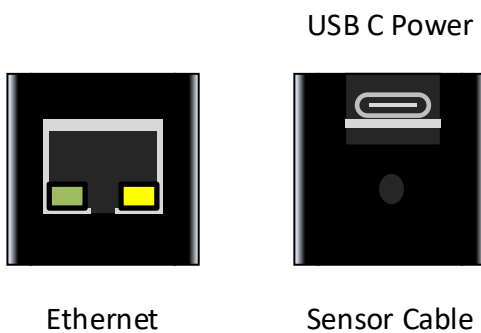
1.1.1 USB C 20W Charger

The TH1 includes a USB C charger and cable.

1.1.2 Optional 40W PoE Splitter

An optional PoE 40W splitter is available.

2. Low Voltage Connections



2.1 Power Input

USB C power input

2.2 Ethernet Input

Standard Ethernet input

2.3 Sensor Cable

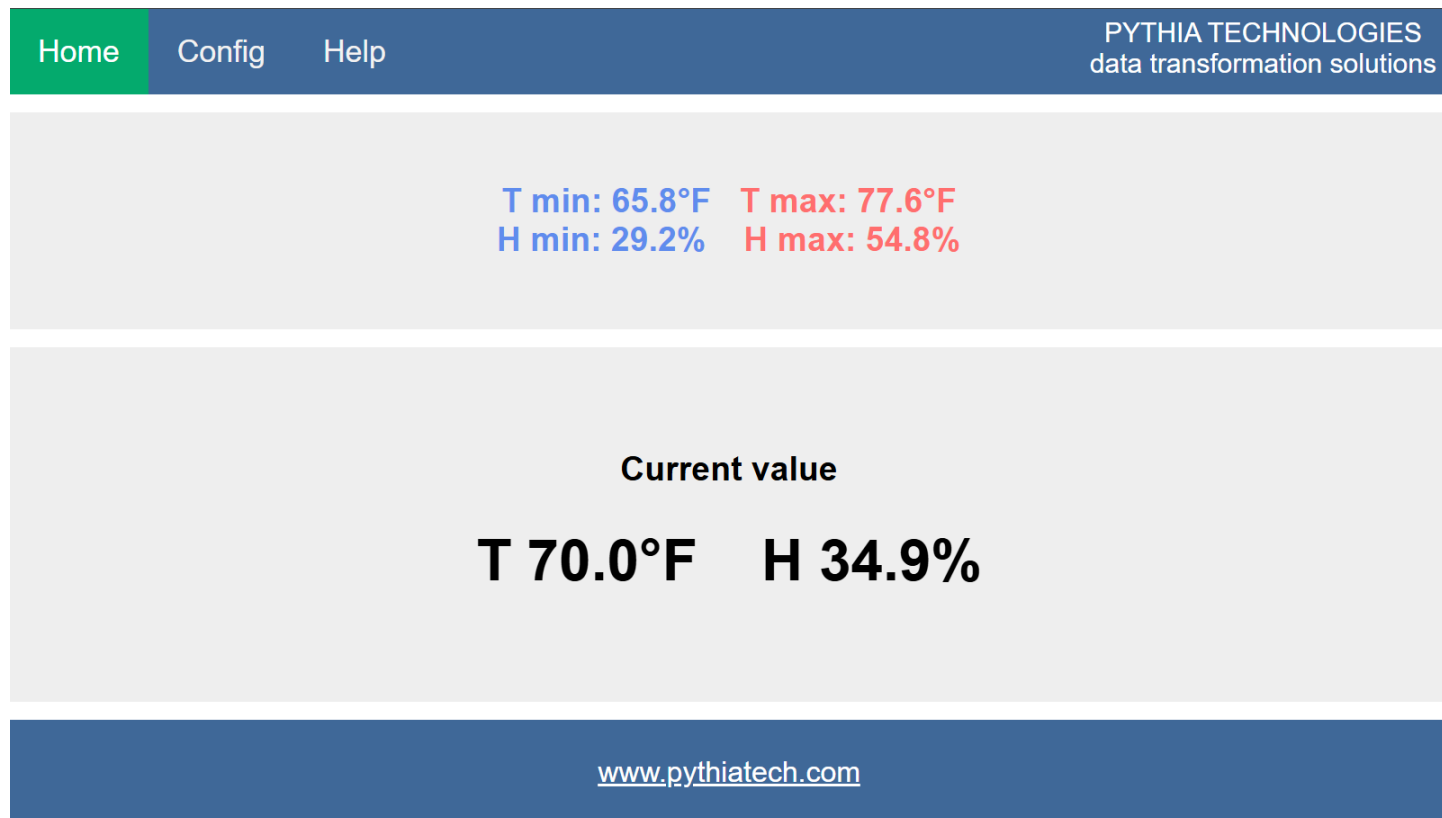
1m SHT30 technology non-detachable sensor cable

3. Web Page

Open your browser and navigate to the DHCP-assigned or default IP address 192.168.7.123.

3.1 Default View

The default view provides the temperature, humidity and Min/Max values.



3.2 Config View

The Config view provides access to configure the module. Default password is 1234.

Home	Config	Help	PYTHIA TECHNOLOGIES data transformation solutions
------	--------	------	--

Device configuration

Enter password

[\[Return to Home\]](#)

www.pythiatech.com

3.2.1 DHCP/Static IP address

DHCP can be enabled/disabled and/or configure a static IP address. Min/Max values can be reset and temperature units selected. Web page refresh rate and password change can be configured.

Home	Config	Help	PYTHIA TECHNOLOGIES data transformation solutions
------	--------	------	--

Sensor config

DHCP:

☐

IP:

MASK:

Gateway:

DNS:

Temp units:

Refresh WEB:

(1..3600s)

Password:

[\[reset min-max\]](#)

[Cancel](#)

3.2.2 HTTP GET/IFTTT

This section allows you to configure how data is transmitted to a remote server or services like IFTTT.

HTTP GET / IFTTT

Send data: disabled v -

Base Url:

Params:

Port: 80

Save
[Cancel](#)

- Send Data: Choose when data should be sent to the server: either at set intervals or when the temperature or humidity exceeds a specified range.
 - If "At Set Interval" is selected, enter the interval in seconds in the provided field.
 - If "When T Out of Range" is selected, you can specify a temperature or humidity range using two fields (from - to). Data will be sent when the values fall outside this range. If the values return to the range and go out again, data will be sent each time.
- Base URL: Enter your server's domain name or IP address without trailing slashes. Note that HTTPS is not supported.
- Params: Input the second part of your server URL containing parameters. The system will automatically replace the placeholders `T` and `H` with the current temperature and humidity values.
- Port: Specify the port number for your server."

3.3 Help

The help screen provides links and example data outputs for selected URLs. The T and H outputs provide data via HTTP. The PRTG output provides the JSON output.



Model: IP TH Sensor
 FW: 1.0
 T output: http://sensor_IP/t
 H output: http://sensor_IP/h
 PRTG output: http://sensor_IP/prtg
 PRTG sensor type: HTTP Data Advanced
 Reset: Press reset button for 5s
 MAC: DE:F8:12:10:CF:20

www.pythiatech.com

4. Software Integration

4.1 HTTP

Temperature URL: <http://192.168.7.123/T>

Humidity URL: <http://192.168.7.123/H>

4.2 JSON

<http://192.168.7.123/PRTG>

4.3 PRTG Integration

To integrate this sensor with PRTG, set the sensor type to "HTTP Data Advanced" and enter the URL as shown in JSON above. Navigate to Add Sensor... -> HTTP Data Advanced, then complete the form.

4.4 ZABBIX Integration

To integrate this sensor with ZABBIX, go to Configuration → Hosts → Items → Create Item, and then complete the form.

5. Troubleshooting

If the device reboots periodically, becomes inaccessible, or restores to factory settings, the issue is typically caused by a poor-quality power source or USB power cable. Please replace both the power supply and USB cable. If the problem continues, feel free to contact us at support@pythiatech.com.

6. Factory Reset

Press and hold the Reset Button for 5 seconds to restore the module to its default settings.

