PYTHIA TECHNOLOGIES

NETWORK SENSORS · TH1 · TH1C

Temperature and humidity, straight onto your network.

The TH1 plugs into Ethernet and serves temperature and humidity on its own web page, over HTTP and JSON, and pushes readings when they leave a range you set. The TH1C adds one dry-contact input, so a leak detector reports through the same sensor.



±0.3 °C
temperature accuracy from 32 to 149 °F (0 to 65 °C), on a 1 m sensor cable

±3 %RH
humidity accuracy from 10 to 90 %RH

Web · HTTP · JSON
its own web page, plain HTTP values and a JSON output that PRTG reads directly

+1 contact
TH1C: a self-powered dry-contact input for a leak detector or any voltage-free contact

HOW IT CONNECTS



Its own web page
Temperature, humidity and min/max in any browser. Nothing to install.

PRTG and Zabbix
A JSON output for PRTG's HTTP Data Advanced sensor, plain HTTP values for everything else.

Push alerts
Sends an HTTP request on a schedule or when a reading leaves its range.

USB-C or PoE
Powered from USB-C, or over the network cable with the PoE adapter.

Server rooms · Network closets · Racks · Offices and labs

pythiatech.com

WHAT IT DOES

A reading wherever there's a network jack.

Plug it in, find its address, and the reading is ready for a browser, a monitoring tool or your own scripts.

Web page

Live temperature and humidity with minimum and maximum, refreshed every few seconds. Fahrenheit by default, Celsius selectable.

HTTP values

`/t` returns temperature and `/h` humidity as plain numbers. On the TH1C, `/d` returns the contact: 0 open, 1 closed.

JSON for PRTG

`/prtg` returns JSON that PRTG's HTTP Data Advanced sensor reads directly. The TH1C adds the contact. Zabbix uses the HTTP values.

Push to a server

Sends an HTTP GET at an interval or when a reading leaves its range, with the values in the URL. The TH1C can also send when the contact changes.

Network setup

DHCP by default. With no DHCP server it falls back to a fixed address. The settings page is password protected.

Power and reset

USB-C power, or PoE with the PoE-to-USB-C adapter. Hold the reset button for 5 seconds to restore factory settings.

CHOOSE A MODEL



TH1

Temperature and humidity

For a room, closet or rack reading in your monitoring tool.



TH1C

Adds one dry-contact input

For the same spot plus a contact, such as a leak detector under a rack or in a drip pan. Works with the Pythia LD1.

SPECIFICATIONS

SENSING	
Sensor	SHT30 digital sensor on a 1 m cable
Temperature	−40 to 257 °F (−40 to 125 °C); ±0.3 °C from 0 to 65 °C
Humidity	0 to 100 %RH; ±3 %RH from 10 to 90 %RH
Units	°F (default) or °C; minimum and maximum kept

DRY-CONTACT INPUT (TH1C)	
Input	1 voltage-free contact, self-powered, 2-pin screw terminal
Reports	OPEN or CLOSED on the web page; `/d` 0 or 1; in the JSON

NETWORK AND OUTPUTS	
Network	Ethernet, RJ45; DHCP (default) or static IP
Outputs	Web page; HTTP `/t`, `/h`; JSON `/prtg`
Push	HTTP GET at an interval or out of range (HTTP, not HTTPS)
Works with	PRTG, Zabbix, IFTTT webhooks, curl and scripts

POWER	
Power	USB-C; optional PoE-to-USB-C adapter
Reset	Reset button restores factory settings

Specifications are subject to change.

Leak detection

LD1 spot detector: its dry contact wires straight to the TH1C.

For a Smart Panel

TS1: the 10K wall sensor for the SPAC4 and SPDM inputs.

The whole facility

Pythia DM: sensors, alarms and trends in one console.

Put a sensor in every room you care about.

Contact us for pricing or to talk through your application.

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