

Sensor Hub

Product Specification/Installation Sheet

Description

The Uptime Devices Sensor Hub is a compact device designed to monitor temperature, humidity, airflow, water, voltage, and contact closures and notify personnel when those conditions exceed user-defined limits.

The Sensor Hub, which takes up zero U rack space, is available in three models.

All the models have two sensor ports and ship with either one (SH-2 and SH-2 Plus I) or two sensors (SH-2 Plus). The models shipping with one sensor allow the second sensor port to be used for another sensor: contact closure, water, voltage, airflow, temperature, humidity or combination temperature/humidity.

The three models are:

Sensor Hub Controller - has two sensor ports and ships with either:

- a temperature sensor (SH-2) or
- a temperature sensor and separate humidity sensor (SH-2+) or
- a combination sensor that detects temperature and humidity (SH-2+ I)

Typical applications include:

- Monitoring hot and cold isles
- Cabinets to detect overheating
- Spot detectors to monitor sensitive or trouble areas in a computer room
- Monitor common (summary) alarm of a unit for network notification

For other applications, contact your local Uptime Devices representative or call 512-328-1800.



Features and Benefits

Requires No Software

- Network connectivity
- Web access (HTTP)
 - Supports DHCP
 - SNMP traps
 - E-mail notification of alarm conditions
 - SMS compatible alerts
 - Supports SNMP Polling

Four user-defined thresholds for each sensor

- High critical
- High warning
- Low warning
- Low critical

- Full password protection
- Graphing capability
- 0 U of rack space required
- Automatic sensing

Two sensor ports (optional sensors)

- Temperature Sensor
- Humidity Sensor
- Temperature & humidity combination Sensor
- Contact closure devices
- Temperature/Airflow Sensor
- Water Sensor
- Voltage Sensor

Web Interface

Summary Window

Network & Web Enabling Technologies

Summary
Sensors
Alerts
Security
Sys Info
Help

SH2

Version 3.9D

24.153.141.131

00:08:67:FF:F8:96

Device Status

Sensors

Port	Type	Name	Value	Status
1	Voltage		127 VAC	Warning
2:1	Humidity		16% RH	Warning
2:2	Temperature		76° F	Normal

Graph Window Temperature Sensor

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24.153.141.131

00:08:67:FF:F8:96

Device Status

Voltage 1
Humidity 2
Temperature 2

Temperature Sensor 2

Degrees F

Data ■
 High Critical ■
 High Warning ■
 Low Warning ■
 Low Critical ■

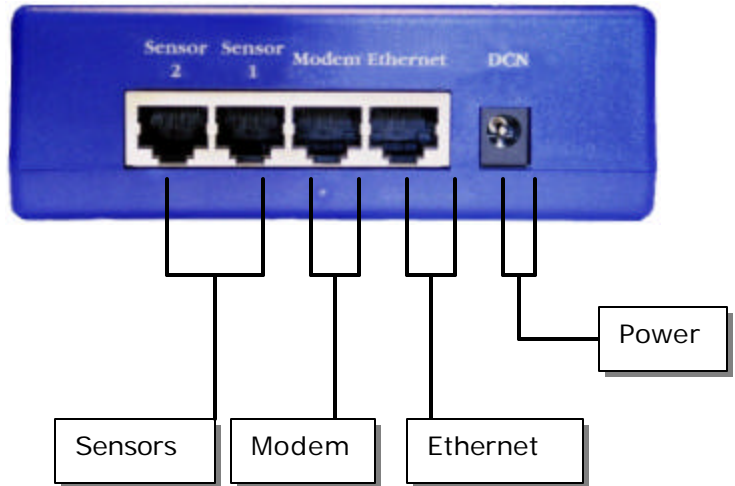
Date and Time

Front and Back Views

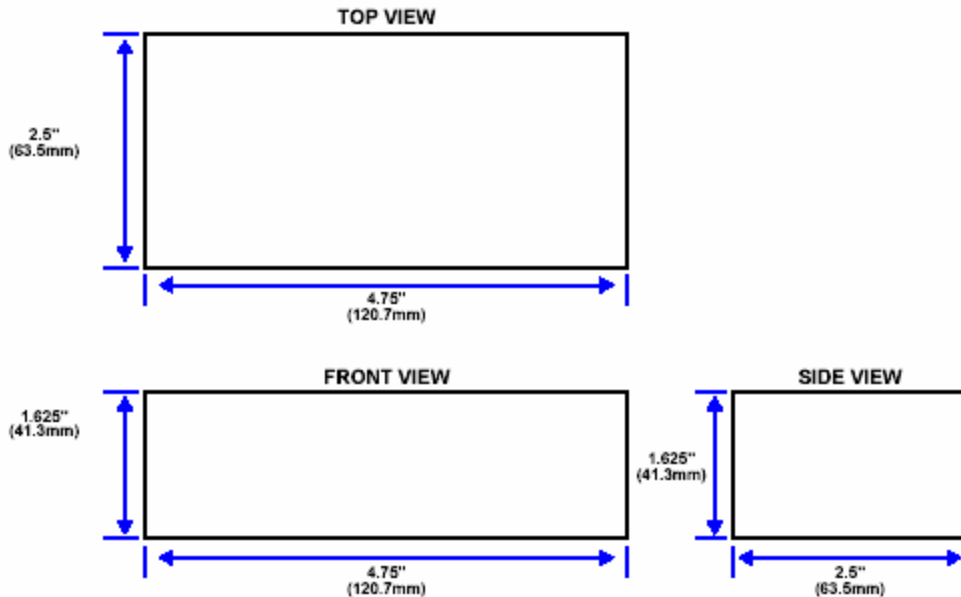
Front View



Back View



Dimensions



Specifications

Power Requirements	
Input	120 VAC, 60 Hz (or per country)
Output	9 VDC, 500 mA, unregulated
Dimensions - W x D x H, in. (mm)	4.75 x 2.5 x 1.625 (120.7 x 63.5 x 41.3)
Weight, oz. (g)	7 (198)
Mounting	O U, Wall Mount or Desk Top
Ambient Operating Environment, °F (°C)	32 to 158 (0 to 70); 10-95% RH non-condensing
Communications	
Network Interface	RJ45 10/100 Base-T connector, HTTP (Web), E-mail, SNMP
Modem	9600 baud Numeric
Agency Listings	FCC Class A, CE,
LEDs	Power, Link, Modem, Sensor
Ports	
2 Sensor Ports	
Temperature, °F (°C), with ranges:	-22 to 248 (-30 to 120)
Humidity with ranges	0 to 100% RH
Contact Closure	Normally Open / Normally Closed
Water Sensor	Normally Open / Normally Closed
Voltage Sensor	115V/230 V

Hardware and Components

Standard Components (Shipped with Kit)	Kit Part Number		
	SH-2	SH-2 Plus	SH-2 Plus I
· Sensor Hub (Two sensor ports)	X	X	X
· CD with user manual and quick start tools	X	X	X
· Power Supply	X	X	X
· Quick Start Guide	X	X	X
· Temperature Sensor, 1ft	X	X	-
· Humidity Sensor, 1ft	-	X	-
· Temperature & Humidity sensor combination sensor, 1ft.	-	-	X