

Environmental Monitor Product Overview

	Wireless		Wired	
	Watchdog Wi	Feature	Watchdog 15	Watchdog 100
On-Board Sensors		Temperature	•	•
		Humidity / Dew point	•	•
External Sensor	0	# Plug-n-Play Sensor Ports	2	2
	250 - 400*	Max Plug-n-Play Sensor Capacity	4	4
	0	# Dry-Contact / 0-5V Sensor Ports	0	4
Hardware Features		Built-in PoE	Optional	Optional
	2 (High power)	Dry-Contact Relay Outputs	0	1
	•	Rackmount 19" 1U		•
	10/100	Ethernet	10/100	10/100
	•	RS 232		
Web Server	•	EIA-485		
	•	USB		
	•	IPv6	•	•
	• (HTTP Only)	HTTP / HTTPS	•	•
	•	DHCP	•	•
Firmware		JSON API	•	•
	•	Real Time Sensor Data Feeds	•	•
	•	Sensor Data Logging & Graphing	•	•
	CSV, XML	Data Logs	CSV, JSON	CSV, JSON
	•	SNMP (v1, v2c, v3)	•	•
	•	Modbus		
	•	BACnet		
	•	Email & Email-to-SMS Alerts	•	•
		Alarm Escalations	•	•
		Alarm Repeat	•	•
	•	Alarm Delay	•	•
		Alarm Valid Hours	•	•
		Periodic Email Status Reports	•	•
		Encryption via TLS	•	•
	8 Admin or View Only	Login Security	3 Admin, Control, View Only	
	•	Radius/LDAP		
		Interface w/ IP Surveillance Cameras	•	•
		Compatible with Device Director	•	•
Benefits	•	FREE Firmware Updates	•	•
	•	FREE Technical Support	•	•
	5 Years	Warranty	5 Years	
Reg	UL, EN, CSA, RoHS, FCC	Regulatory Compliance	UL, FCC, CE, RoHS	
Wireless	900 MHz, 868 MHz, 2.4 GHz*	Frequencies available		
	+100' through multiple walls, 270' through one wall, and 600' direct line of sight. 1200' indoor range with Wireless Range Extender	Range		
	5 Years	Battery life		
	10 to 20 seconds (random)	Transmission		

Plug-n-Play Sensors:

Temperature**
 Temperature/Humidity/Dew Point (GTHD)**
 Temperature/Humidity/Dew Point (GT3HD)**
 Temperature/Humidity/Dew Point/Airflow**
 Analog-to-Digital Converter (A2D)

Analog / Dry Contact Sensors:

Door Position (NO/NC)
 Smoke Detector (NO/NC)
 Flood Sensor (Conductivity)
 Water Sensing Cable Kit (NO/NC)
 Power Failure Sensor (0-5V)
 Current Transducer 30/60/120A (0-5V)
 Isolated Voltage Sensor (0-5V)

Accessories:

5-Port Splitter
 PoE Splitter
 PoE Injector
 In-line Power Meter 15A
 In-line Power Meter 20A
 -48 VDC Power Supply
 PSTN Auto-Dialer (Analog)
 GSM Auto-Dialer (SIM card required)
 Rack Shelves
 Blanking Panels

Wireless Sensors & Accessories:

Temperature Sensor**
 Temperature/Humidity Sensor**
 Range Extender

Configuration Utility:

Device Director

*868 and 2.4 GHz versions coming soon

**Wired sensor temperature range -40F to 185F (-40C to 85C); wireless sensor temperature range -13F to 167F (-25C to 75C).

Data Center



Strategically monitor data center, server room and network closet environments to protect critical infrastructure and prevent system downtime, hardware damage and data loss.

Telecom



Monitor climate and power conditions within base transceiver stations, cell sites, and technical rooms to ensure your equipment is running in optimal conditions.

Health Care

















Monitor and validate temperature among various environments within healthcare facilities including hospitals, blood and tissue banks, laboratories and more. Our sensors are designed to monitor extreme temperatures and allow users to satisfy FDA 21 CFR Part 11 compliant reporting.

Cold Storage







Our environment monitors enable users to strategically monitor cold-storage facilities among restaurants, cafeterias, grocery stores and warehouses across the globe to protect perishable inventory ensuring food quality and safety.



Monitor

-  **Temperature**
-  **Humidity/Dew Point**
-  **Airflow**
-  **Light**
-  **Sound**
-  **Door Position**
-  **Smoke**
-  **Water Leaks**
-  **Power Failure**
-  **Voltage**
-  **Amperage**
-  **Kilowatt-Hour(s)**
-  **Battery**
-  **Video Surveillance**

Prevent

-  **Equipment Failure**
-  **Downtime**
-  **Loss of Revenue**
-  **Loss of Reputation**

Alerts

-  **Alert notifications via Email, SMS,* SNMP Traps and voice call* when user-adjustable thresholds are breached**
-  **Automation and control of external devices**

*Relay-controlled auto dialer required

Variety of Environmental Monitors Available

ITWatchdogs by Geist environment monitors are used for a wide range of other applications including traffic control boxes, climate-controlled storage, wine cellars, air-traffic control communications closets, research laboratories, stability chambers, greenhouses, livestock, poultry farms and museums. Our products are fully scalable to meet various special needs.

 **Free Tech Support**

 **Free Firmware Updates**

 **No Annual Fees**

