ENVIROALERT® EA800

Wireless Environmental Monitor

Monitor and Automatically Log Enviromental Conditions in Critical Environments

WINNER
of the 2008
Security Industry Association
New Product Showcase
Product Achievement Award –
Intrusion Detection and Prevention

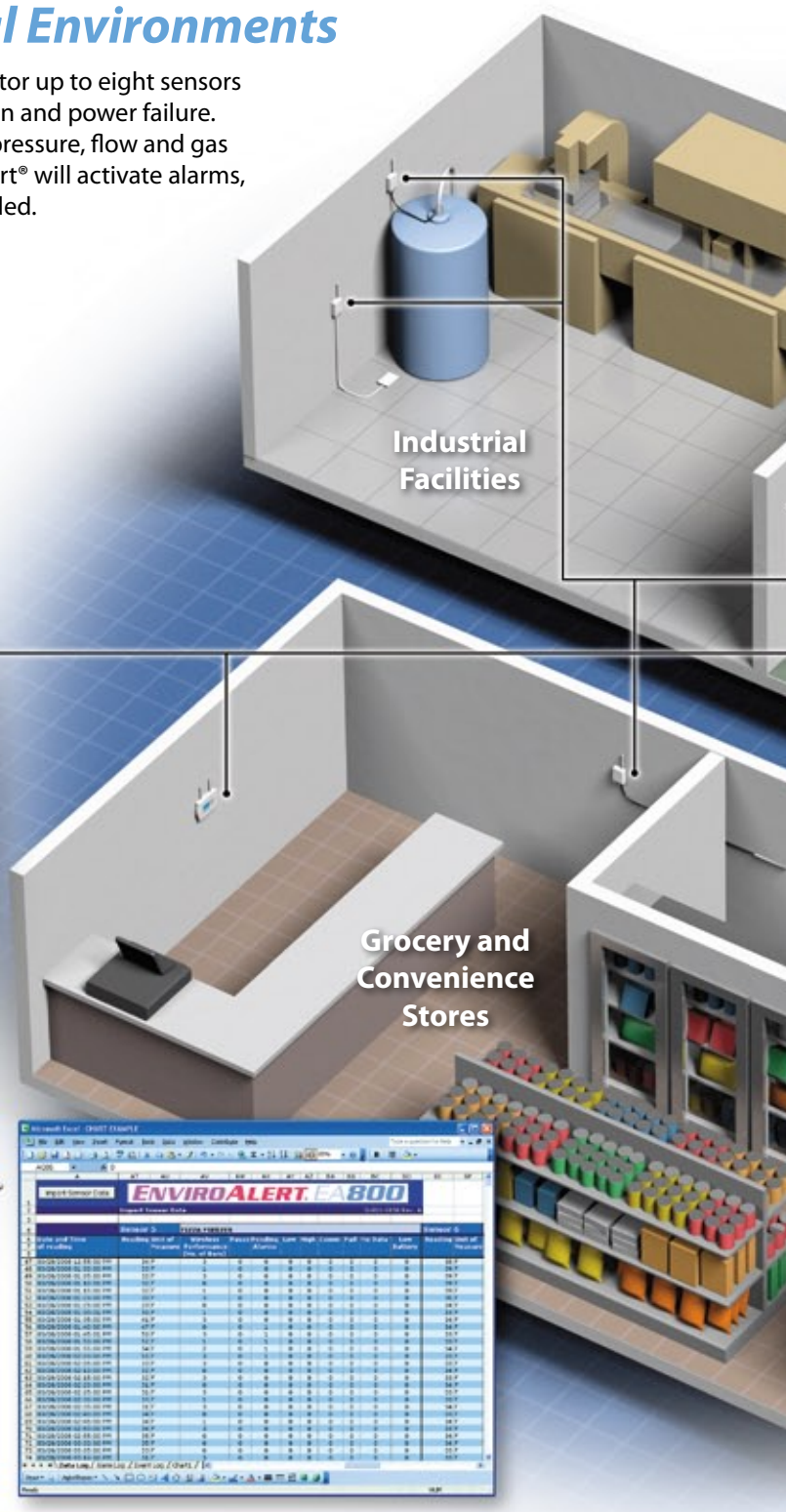
WINLAND™
ENVIRONMENTAL SECURITY®

Advanced Monitoring for Critical Environments

EnviroAlert® EA800 provides the flexibility to simultaneously monitor up to eight sensors (4 wireless, 4 hardwired) for temperature, humidity, water detection and power failure. Adding 4-20 mA sensors allows industrial measurements such as pressure, flow and gas detection. With a designated relay output for each zone, EnviroAlert® will activate alarms, dialers or transmitters when programmed limits have been exceeded.

EA800 Console

Versatile environmental monitoring unit receives data from wireless and hardwired sensors.



- Data logging transferable to a USB memory stick
  - Sensor data
  - Event and alarm history
  - Collection frequency from 30 seconds to 120 minutes
- 8 sensors (4 wireless, 4 hardwired)
- 8 zone-specific relays with 1 auxiliary relay
- Intuitive user interface
- 128 x 64 Graphic LCD display with blue backlight that flashes under alarm condition
- Accommodates 4-20 mA sensors (pressure, air flow, CO_2, etc.)
- Password protected programming lock
- On-board piezo buzzer

Sensor Data Log Sample

APPLICATION EXAMPLES

Water Presence

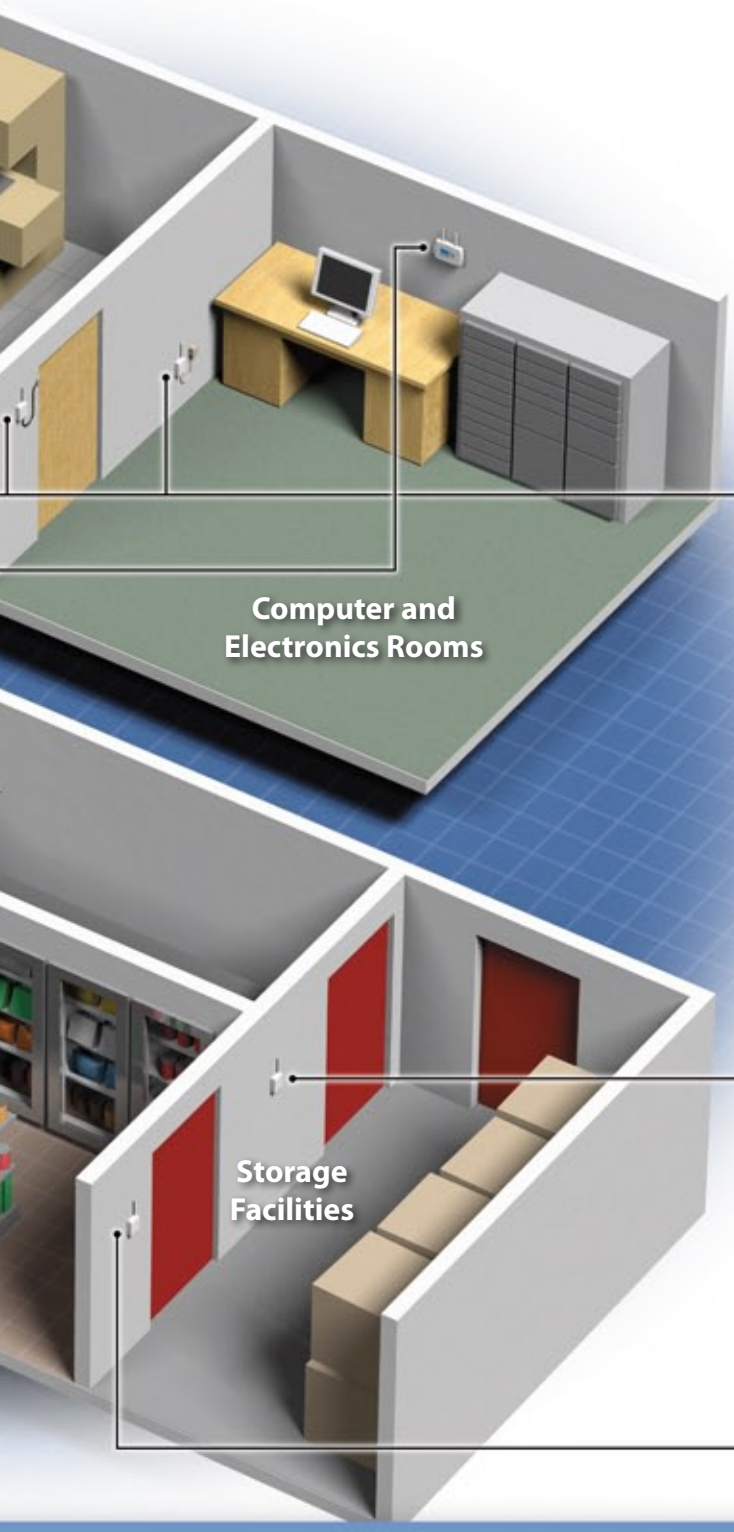
Basements and Garages, Kitchens, Laundry Areas, Vacation Homes, Coolers and Freezers.

Contact Closure

Cell Tower Sites, HVAC/Refrigeration, Outbuildings, Livestock Barns.

Humidity Levels

Computer and Electronics Rooms, Warehouses, Greenhouses, Grain Elevators.



EA-WMFS
Multi-Function Sensor

Requires remote probe attached to EA-WMFS to detect various conditions. Probes sold separately.

- External probes accepted:
  - Supervised WaterBug® sensor
  - Temperature probes
  - Power-Out Alert™
  - N.O./N.C. contact
- 1000′ (305 m) line-of-sight transmission distance
- Up to 4-year battery life

EA-WMFS shown with Temp-H-S Probe (sold separately)

EA-WTS
Temperature Sensor

Monitors ambient room temperature.

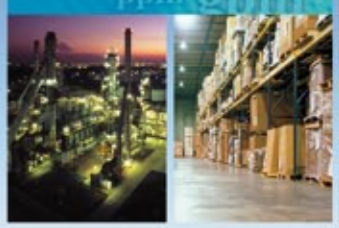
- Temperature sensing range of +32 to +122° F (0 to +50° C)
- 1000′ (305 m) line-of-sight transmission distance
- Up to 4-year battery life
- Not for use in coolers/freezers

EA-WHS
Humidity Sensor

Monitors ambient room humidity.

- Humidity sensing range of 5% to 95%
- 1000′ (305 m) line-of-sight transmission distance
- Up to 4-year battery life

Critical/Toxic Gases



Factories, Refineries, Warehouses and Outbuildings.

High Temperatures

Commercial Kitchens, Restaurants, Electronics Rooms, Livestock Buildings.

Low/Ultra Low Temperatures

Laboratories, Pharmacies, Hospitals and Clinics, Grocery, Convenience Store and Institutional Food Storage.

SPECIFICATIONS EnviroAlert® EA800

EA800 Console	
Low & High Limit Adjust Range	Temperature: -112 to +302° F (-80 to +150° C) ± 2°F Humidity: 5% to 95% Relative Humidity ± 5% Range limitations are sensor-specific based on Winland proprietary sensor types.
Sensor Inputs	8 Total Sensors (4 Wireless Sensors and 4 Hardwired Sensors)
Alarm Outputs	8 – Form C Relays (Configurable) – Max 30 VDC @ 1 Amp resistive
Auxiliary Alarm Output	1 – Form C Relay (Configurable) – Max 30 VDC @ 1 Amp resistive
Wireless Frequency	2.405 GHz – 2.480 GHz, 16 channels See owner's manual for more information.
Data Collection Frequency	30 seconds, 1, 5, 15, 30, 60, 120 minutes
Power Requirements	11 to 26 VDC @ ≤500 mA
Operating Temperature Range	+32 to +122° F (0 to +50° C) Indoor Use Only
Piezo Buzzer Duration	Continuous
Piezo Buzzer Sound Pressure Level	88 dBA (min) @ 10 cm
Mounting	Mounts to 3-gang Electrical Box
Console Size	8.13" x 5.52" x 1.93" (20.6 cm x 14.0 cm x 4.9 cm)
Console Weight	1.0 lbs (0.45 kg)
Case Material	ABS
Warranty	1 Year Limited

EA800 Wireless Sensors	EA-WTS Wireless Temperature Sensor	EA-WHS Wireless Humidity Sensor	EA-WMFS Wireless Multi-Function Sensor
Monitoring Ability **Sensing Range**	Temperature +32 to +122° F (0 to +50° C)	Humidity 5% to 95% Relative Humidity	Requires remote sensor – see list of Hardwired Sensors below
Operating Temperature Range	+32 to +122° F (0 to +50° C) Non-condensing Environment. Not for use in coolers/freezers.		
Power Requirements	Battery Power: 2 – AA Alkaline Batteries Line Power: +12 VDC @ ≤100 mA		
Battery Life	Up to 4 Years		
Wireless Frequency	2.405 GHz – 2.480 GHz, 16 channels See owner's manual for more information.		
Transmission Distance	1000' (305 m) Line-of-sight		
Mounting	Surface Mount		
Sensor Size	3.67" x 2.65" x 1.17" (9.3 cm x 6.7 cm x 2.9 cm)		
Sensor Weight	0.25 lbs (0.11 kg)		
Case Material	ABS		
Warranty	1 Year Limited		

Hardwired Sensors & Accessories	
Temp-H-S	Stainless Steel High Temperature Thermistor Probe +32 to +302° F (0 to +150° C)
Temp-L-S	Stainless Steel Low Temperature Thermistor Probe -58 to +158° F (-50 to +70° C)
Temp-L-W	Waterproof Low Temperature Thermistor Probe -58 to +158° F (-50 to +70° C)
Temp-H-W	Waterproof High Temperature Thermistor Probe +32 to +221° F (0 to +105° C)
Temp-UL-S	Stainless Steel Ultra Low Temperature Thermistor Probe -112 to +32° F (-80 to 0° C)
W-S-S	Supervised WaterBug® Surface Sensor
W-UC-S	Supervised WaterBug® Under Carpet Sensor (Not RoHS compliant)
HA-III+	HA-III+ Electronic Humid-Alert • Sensing Range: 5% to 95% R.H. • Accuracy: ± 5% (10% - 90% RH @ 77° F / 25° C) Response Time: TC<12 min • Input Voltage: 12 VDC @ 10 mA • Operating Temperature Range: 32° F to 152° F (0° C to 50° C)
PS110	PS-110 Power-Out Alert™
Standard Industrial Sensors	4 – 20 mA Sensors (160 Ω load resistance) See owner's manual for more information.
MB-3M	3-Gang Surface Mount Electical Box (Metal)

WINLAND™
ENVIRONMENTAL SECURITY®
1-800-635-4269 (507) 625-7231
1950 Excel Drive, Mankato, MN 56001
www.winlandsecurity.com
sales@winlandsecurity.com

MADE IN USA

D-011-0156 Rev. D (04/10)