



# **ENVIROALERT** EA800

## **Wireless Environmental Monitor**

**Protect Property From Changes In  
Environmental Conditions**



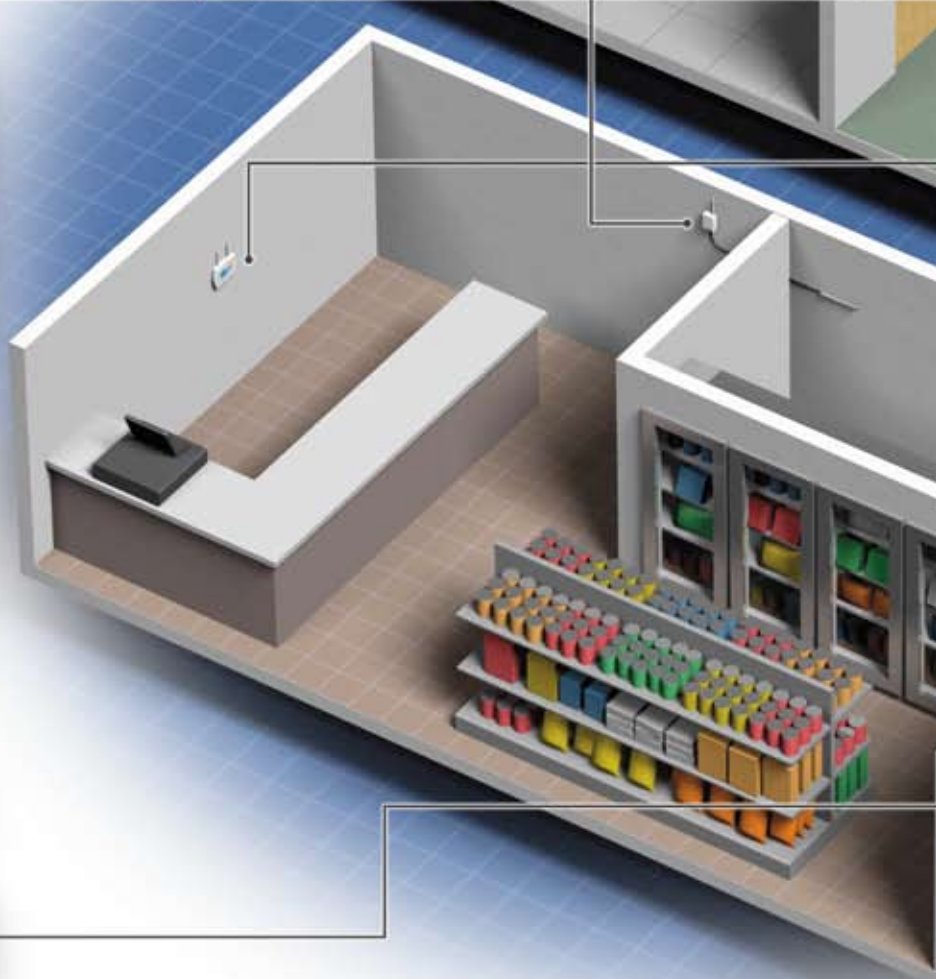
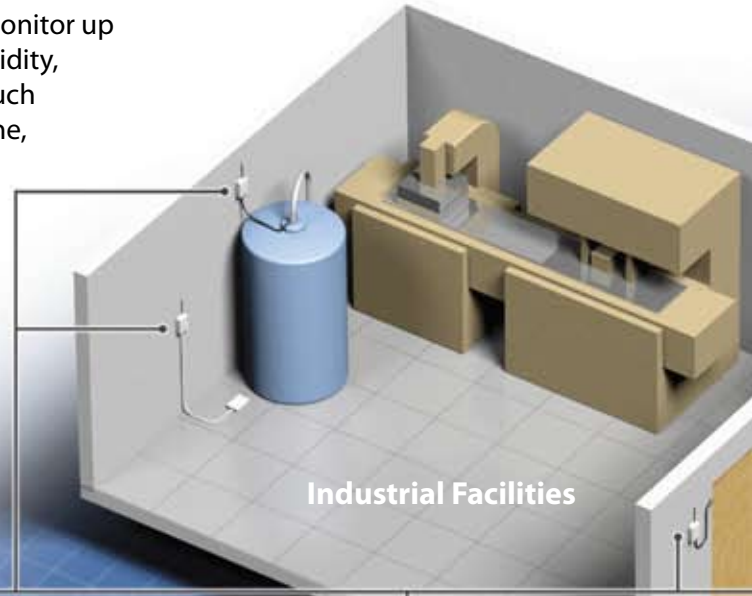
# Advanced Monitoring for Critical Environments

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

## EA-WMFS Multi-Function Sensor

Accepts remote sensors to detect various conditions.

- Temperature sensing range of -112 to +302° F (-80 to +150° C)
- External sensors accepted: Water, Temperature, Power-Out Alert™, Contact
- 1000' (305 m) line-of-sight transmission distance
- Up to 4 year battery life

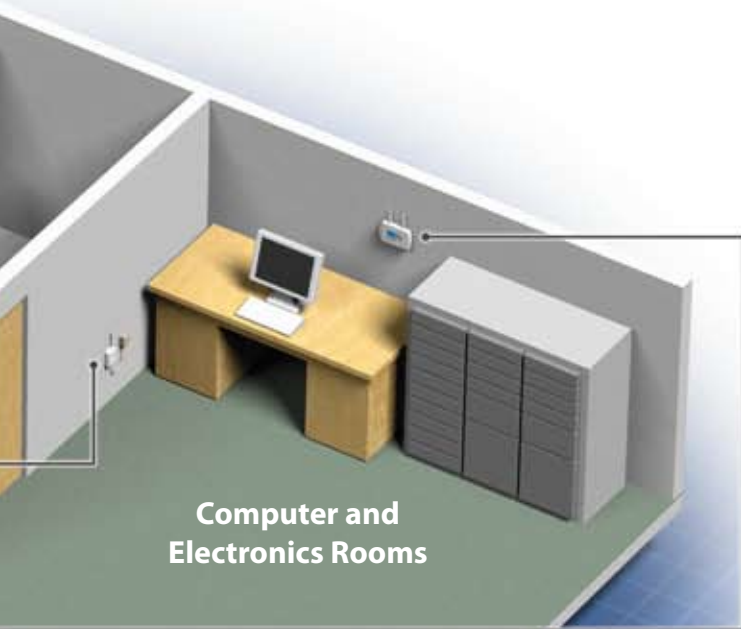


## EA-WTS Temperature Sensor

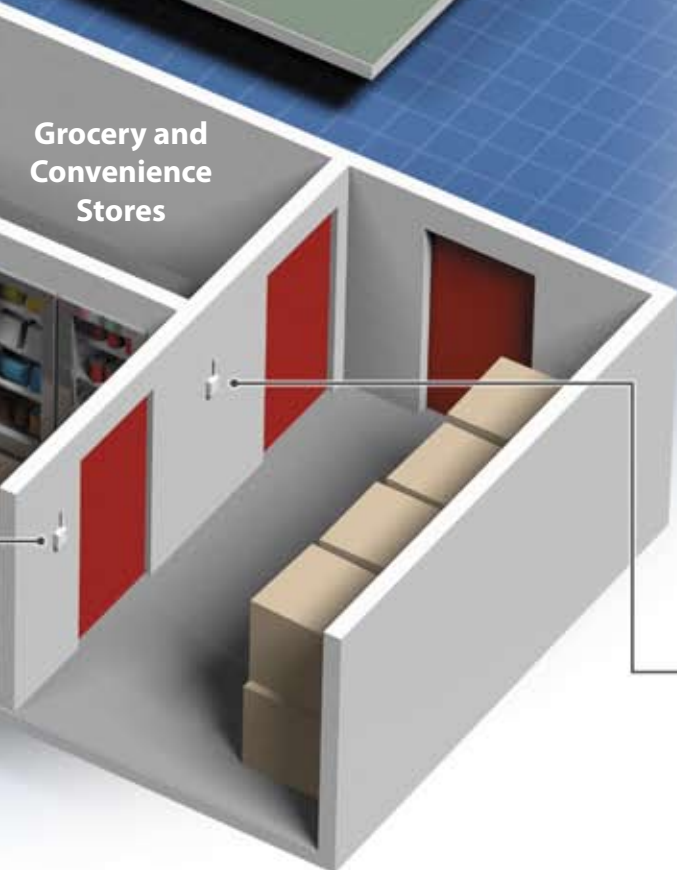
Monitors ambient room temperature.

- 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





**Computer and Electronics Rooms**



**Grocery and Convenience Stores**



### **EA800 Base Unit**

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

- Data logging – including sensor data, event and alarm history (transferable to a USB memory stick)
- 8 sensors (4 hardwired, 4 wireless)
- 8 zone-specific relays, auxiliary relay
- Intuitive user interface
- 128 x 64 Graphics LCD display with blue backlight that flashes under alarm condition
- Accommodates 4-20 mA sensors (pressure, air flow, CO2, etc.)

### **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



# SPECIFICATIONS

## EA800 EnviroAlert®

EA800 Base Unit	
Low & High Limit Adjust Range	Temperature: -112 to +302° F (-80 to +150° C) Humidity: 5% to 95% Relative Humidity Range limitations are sensor-specific based on Winland proprietary sensor types
Sensor Inputs	8 Total Sensors (4 Hardwired Sensors and 4 Wireless 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
Power Requirements	+11 to +26 VDC @ ≤500mA
Unit Operating Range	+32 to +122° F (0 to +50° C)
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	2 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	Temp: -112 to +302° F (-80 to +150° C) dependent on sensor type Water: Presence of water Contact: Normally-Open or Normally-Closed
Unit Operating Range	+32 to +122° F (0 to +50° C) Non-condensing Environment	+32 to +122° F (0 to +50° C) Non-condensing Environment	+32 to +122° F (0 to +50° C) Non-condensing Environment
Power Requirements	Battery Power: 2 – AA Alkaline Batteries Line Power: +12 VDC @ ≤100mA		
Battery Life	Up to 4 Years		
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	2 Year Limited		

Hardwired Sensors	
M-001-0081	SS High Temperature Thermistor Probe +32 to +299° F (0 to +148° C)
M-001-0082	SS Low Temperature Thermistor Probe -58 to +158° F (-50 to +70° C)
M-001-0086	Waterproof Low Temperature Thermistor Probe -58 to +158° F (-50 to +70° C)
M-001-0087	Waterproof High Temperature Thermistor Probe +32 to +299° F (0 to +148° C)
M-001-0111	SS Ultra Low Temperature Thermistor Probe -112 to +32° F (-80 to 0° C)
M-001-0094	Supervised Water Sensor
M-001-0009	Supervised Under-Carpet Water Sensor
HA-III+	HA-III+ Electronic Humid-Alert 5% to 95% R.H. ±5% R.H.
PS110	PS-110 Power-Out Alert™
Standard Industrial Sensors	4 – 20mA Sensors (160 Ω loop resistance)

Made in USA



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