WINLAND™ ELECTRONICS, INC.

EnviroAlert®
EA800-ip

IP Critical Condition Monitoring

Always on Duty
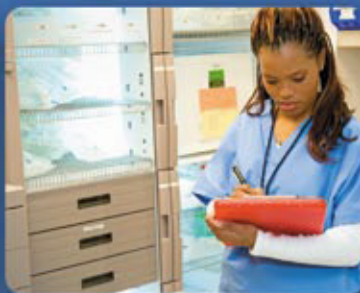
ENVIRO**ALERT**®
EA**800-ip**

Network IP Critical Condition Monitoring Solution for Asset Protection

The EnviroAlert EA800-ip provides two-way access to remotely monitor, collect and view real-time data from up to eight sensors for temperature, humidity, water, gases, pressure and dry contacts. Sensor settings may also be modified via an IP connection eliminating the need for on-site adjustments or a service call. Industries that benefit from 24/7 peace of mind include medical, pharmaceutical, HVAC, food service, high tech and more.

Wireless and hardwired sensor probes detect temperature, humidity, water presence, power failure, gases, pressure, dry contact and more (sensors sold separately).

APPLICATION EXAMPLES

The EA800-ip is designed for use in a variety of applications, including Grocery and Convenience Store Coolers and Freezers; Laboratories, Pharmacies, Hospitals and Clinics; Restaurants, Commercial Kitchens and Institutional Food Storage; Computer and Electronics Rooms, Cell Tower Sites, and HVAC; Factories, Refineries and Warehouses; Greenhouses, Grain Elevators and Livestock Buildings; Residential Basements, Garages, Kitchens, Laundry Areas and Vacation Homes.

The EnviroAlert EA800-ip offers:

- Ethernet connectivity
- Monitoring of multiple sites from any location
- Remote access to:
  - Programming
  - Real-time data viewing
  - Sensor, alarm and event data logs for audit trail
- Compliance with 21 CFR Part 11
- Auto report generation
- Seamless integration with any alarm system
- Sensors for temperature, humidity, water presence, gases, dry contact
- Alarm notification via text message, email, dry contact relay
- Smartphone compatibility
- Dedicated output relays for each sensor

ENVIROALERT.
EA800-ip

◆Freezer1 ◆Freezer2 ◆Freezer3

50
40
30
High Limit: 32°F
20
10
0
Low Limit: 8°F

1:45 AM   2:00 AM   2:15 AM

SPECIFICATIONS *EnviroAlert® EA800-ip*

EA800-ip 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
Ethernet	10/100BASE-TX/FX; fully compliant to IEEE802-3u standard
Piezo Buzzer	88 dBA (min) @ 10 cm Continuous
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

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-UL-S	Stainless Steel Ultra Low Temperature Thermistor Probe -112 to +32° F (-80 to 0° C)
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-P-H	Temp sensor probe housing (water proof probes only)
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 ELECTRONICS, INC.™

MADE IN USA

CE   TUV   RoHS WEEE COMPLIANT   FC