

ENVIROALERT® EA800



ENVIROALERT EA800

Applications:

High Tech - server rooms, cell towers

Food Service (restaurants, c-stores, schools for HACCP requirements) - coolers/freezers, dry storage

Warehouse - wineries, document storage facilities, humidors, marinas

Medical (pharmacies, hospitals, clinics) - blood and serum storage, medicine storage, clean rooms

HVAC - air flow, pressure, critical and toxic gases

Need to know:

Simultaneously monitor up to 8 zones (up to 4 wireless and up to 4 wired).

Monitor for water presence, temperature, humidity, power failure, contact closure and more.

Ability to hard wire 4-20mA sensors - monitor for critical and toxic gases, air flow, pressure, and more.

Data logging downloadable via USB stick - including sensor data as well as event and alarm data.

Data collection frequency range from every 30 seconds to every 120 minutes.

10,000 data points can be collected regardless of frequency selected

8 zone-specific relays plus 1 auxiliary relay.

Wireless signal strength indicator to help with monitor placement.

Password protected programmable lock - Integrated piezo buzzer - Intuitive graphic interface.

Graphics LCD display with blue backlight that flashes under alarm condition.

Accepts same hard wired sensors as EA200 and EA400 as well as:

Ultra-low temperature monitoring (-112° to 32° F) (-80° to 0° C)

NO or NC devices

4-20mA sensors

Awards / Press:

2009 August Security Dealer & Integrator: Vol 31, No. 8

<http://www.securityinfowatch.com/Features/curriculum-calls-environmental-monitoring>

2009 March Source Security

<http://www.sourcesecurity.com/markets/retail-and-eas/application/co-3644-ga.252.html>

2008 Security Industry Association New Product Showcase Product Achievement Award

Intrusion Detection and Prevention (ISC West - Las Vegas)

2008 Top 30 Technology Innovations

Security Sales and Integration Magazine



WINLAND
ELECTRONICS, INC.

Mankato, MN
www.winland.com
800-635-4269



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Console Specifications:

Power requirements:	11 to 26 VDC @ ≤500mA
Remote Sensor Inputs:	8 total (up to 4 wired and up to 4 wireless)
Wireless Frequency:	2.405 GHz, 16 channels - See owners manual for more information.
Transmission Distance:	1,000' (305 m) Line-of-sight
Weight:	1 lb (0.45 kg)
Data Collection:	10,000 point maximum (every 30 seconds to once every 120 minutes)
Dimensions:	8.13 x 5.52 x 1.93" (20.6 x 14.0 x 4.9 cm)
Mounting:	Standard 3-gang box or surface mount

Accepted Probes:

Probe Detection	Model Number	Part Number	Range
Wireless Temp Sensor	EA-WTS	M-001-0125	32° to 122° F
Wireless Humidity Sensor	EA-WHS	M-001-0126	5% to 95% RH
Wireless Multi-Function Sensor	EA-WMFS	M-001-0127	Sensor dependent
Temp Ultra Low (White)	TEMP-UL-S	M-001-0111	-112° to 32° F
Temp High (Red) Stainless Steel	TEMP-H-S	M-001-0081	32° to 299° F
Temp High (Red) Waterproof	TEMP-H-W	M-001-0087	32° to 221° F
Temp Low (Blue) Stainless Steel	TEMP-L-S	M-001-0082	-58° to 158° F
Temp Low (Blue) Waterproof	TEMP-L-W	M-001-0086	-58° to 158° F
Humidity	HA-III+	M-001-0091	5 to 95% RH
Water Surface Sensor (supervised)	W-S-S	M-001-0094	
Water Under Carpet (supervised)	W-UC-S	M-001-0009	
PS-110 Power-Out Alert	PS-110	M-001-0076	
N.O./N.C. devices			

** Hard wire any 4-20mA sensor - see owners manual on-line for more information.



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Import Event Data		
Events		
Date and time of event	Event Description	Sensor #
3/17/2008 17:14	System power on	
3/18/2008 8:15	Alarm log file cleared	
3/18/2008 10:43	RF Sensor Reset	
3/18/2008 10:43	RF Sensor Reset	
3/18/2008 10:43	RF Sensor Reset	
3/18/2008 10:44	RF Sensor Reset	
3/18/2008 11:05	System power on	
3/18/2008 11:07	WRM Reset	
3/18/2008 11:24	System power on	
3/18/2008 11:24	Update Loaded	
3/18/2008 13:41	System power on	
3/18/2008 13:44	System power on	
3/18/2008 15:23	System power on	
3/18/2008 15:51	System power on	
3/18/2008 0:55	System power on	
3/18/2008 0:55	System power on	
3/18/2008 0:57	System power on	
3/18/2008 0:57	System power on	
3/18/2008 16:36	System power on	
3/18/2008 16:36	Update Loaded	
3/20/2008 13:11	Sensor Delay chg	1
3/20/2008 13:11	Sensor Delay chg	1

Import Alarm Data										
Alarms										
Date and Time of reading	Sensor #	Sensor Name	Sensor Reading	Low Limit Value	High Limit Value	Unit of Measure	Sensor Connection	Sensor Type	Alarm Description	
3/18/2008 3:43	7	COMPUTER ROOM	0	-40	257 F	RF Temperature	RF Temp	RF Temp	Wireless Sensor Communication Failure	
3/18/2008 3:43	8	HUMIDOR	0	1	99 %RH	RF Humidity	HA-III+	HA-III+	Wireless Sensor Communication Failure	
3/18/2008 3:45	7	COMPUTER ROOM	76	-40	257 F	RF Temperature	RF Temp	RF Temp	No-Alarm or Alarm Cleared	
3/18/2008 3:47	8	HUMIDOR	24	1	99 %RH	RF Humidity	HA-III+	HA-III+	No-Alarm or Alarm Cleared	
3/24/2008 2:02	8	HUMIDOR	95	1	39 %RH	RF Humidity	HA-III+	HA-III+	High-Limit Exceeded	
3/24/2008 2:03	8	HUMIDOR	94	1	99 %RH	RF Humidity	HA-III+	HA-III+	No-Alarm or Alarm Cleared	
3/28/2008 9:51	9		0	0	0	None	White	White		
3/28/2008 9:51	5	COOLER #1	0	-58	158 F	RF Contact	Blue	Blue	No-Alarm or Alarm Cleared	
3/28/2008 9:51	6	STORAGE ROOM	0	32	302 F	RF Contact	Red	Red	No-Alarm or Alarm Cleared	
3/28/2008 9:51	7	COMPUTER ROOM	0	-40	257 F	RF Temperature	RF Temp	RF Temp	No-Alarm or Alarm Cleared	
3/28/2008 9:51	5	COOLER #1	0	-58	158 F	RF Contact	Blue	Blue	No-Alarm or Alarm Cleared	
3/28/2008 9:51	5	COOLER #1	0	-58	158 F	RF Contact	Blue	Blue	No-Alarm or Alarm Cleared	
3/28/2008 9:51	5	COOLER #1	0	-58	158 F	RF Contact	Blue	Blue	No-Alarm or Alarm Cleared	
3/28/2008 9:51	5	COOLER #1	0	-58	158 F	RF Contact	Blue	Blue	No-Alarm or Alarm Cleared	
3/28/2008 9:51	5	COOLER #1	0	-58	158 F	RF Contact	Blue	Blue	No-Alarm or Alarm Cleared	
3/28/2008 9:51	5	COOLER #1	0	-58	158 F	RF Contact	Blue	Blue	No-Alarm or Alarm Cleared	
3/28/2008 9:51	5	COOLER #1	0	-58	158 F	RF Contact	Blue	Blue	No-Alarm or Alarm Cleared	
3/28/2008 9:51	5	COOLER #1	0	-58	158 F	RF Contact	Blue	Blue	No-Alarm or Alarm Cleared	
3/28/2008 11:05	5	SUMP PUMP	Wet	Dry	Dry	RF Contact	WaterBug	WaterBug	Low-Limit Exceeded	
3/28/2008 11:05	5	SUMP PUMP	Dry	Dry	Dry	RF Contact	WaterBug	WaterBug	No-Alarm or Alarm Cleared	
3/28/2008 11:05	5	SUMP PUMP	Wet	Dry	Dry	RF Contact	WaterBug	WaterBug	Low-Limit Exceeded	
3/28/2008 11:05	5	SUMP PUMP	Dry	Dry	Dry	RF Contact	WaterBug	WaterBug	No-Alarm or Alarm Cleared	
3/28/2008 11:05	5	SUMP PUMP	Wet	Dry	Dry	RF Contact	WaterBug	WaterBug	Low-Limit Exceeded	
3/28/2008 11:05	5	SUMP PUMP	Dry	Dry	Dry	RF Contact	WaterBug	WaterBug	No-Alarm or Alarm Cleared	
3/28/2008 11:05	5	SUMP PUMP	Wet	Dry	Dry	RF Contact	WaterBug	WaterBug	Low-Limit Exceeded	
3/28/2008 11:05	5	SUMP PUMP	Dry	Dry	Dry	RF Contact	WaterBug	WaterBug	No-Alarm or Alarm Cleared	
3/28/2008 11:06	5	SUMP PUMP	Cut	Dry	Dry	RF Contact	WaterBug	WaterBug	Low-Limit Exceeded	
3/28/2008 11:06	5	SUMP PUMP	Dry	Dry	Dry	RF Contact	WaterBug	WaterBug	No-Alarm or Alarm Cleared	
3/28/2008 11:06	5	SUMP PUMP	Cut	Dry	Dry	RF Contact	WaterBug	WaterBug	Low-Limit Exceeded	
3/28/2008 11:06	5	SUMP PUMP	Dry	Dry	Dry	RF Contact	WaterBug	WaterBug	No-Alarm or Alarm Cleared	
3/28/2008 11:06	5	SUMP PUMP	Wet	Dry	Dry	RF Contact	WaterBug	WaterBug	Low-Limit Exceeded	

Import Sensor Data											
Sensor 1 FREEZER #1											
Date and Time of reading	Reading	Unit of Measure	Wireless Performance (No. of Bars)	Pause Pending	Alarms	Low	High	Comm	Fail	No Data	Low Battery
04/03/2008 03:17:00 PM	73	F		0	0	0	0	0	0	0	0
04/03/2008 03:17:31 PM	73	F		0	0	0	0	0	0	0	0
04/03/2008 03:18:00 PM	73	F		0	0	0	0	0	0	0	0
04/03/2008 03:18:30 PM	73	F		0	0	0	0	0	0	0	0
04/03/2008 03:19:00 PM	72	F		0	0	0	0	0	0	0	0
04/03/2008 03:19:31 PM	72	F		0	0	0	0	0	0	0	0
04/03/2008 03:20:00 PM	72	F		0	0	0	0	0	0	0	0
04/03/2008 03:20:30 PM	72	F		0	0	0	0	0	0	0	0
04/03/2008 03:21:00 PM	72	F		0	0	0	0	0	0	0	0
04/03/2008 03:21:30 PM	72	F		0	0	0	0	0	0	0	0
04/03/2008 03:22:01 PM	72	F		0	0	0	0	0	0	0	0
04/03/2008 03:22:30 PM	72	F		0	0	0	0	0	0	0	0
04/03/2008 03:23:01 PM	72	F		0	0	0	0	0	0	0	0
04/03/2008 03:23:30 PM	72	F		0	0	0	0	0	0	0	0
04/03/2008 03:24:00 PM	72	F		0	0	0	0	0	0	0	0
04/03/2008 03:24:31 PM	72	F		0	0	0	0	0	0	0	0
04/03/2008 03:25:00 PM	72	F		0	0	0	0	0	0	0	0
04/03/2008 03:25:31 PM	72	F		0	0	0	0	0	0	0	0
04/03/2008 03:26:00 PM	72	F		0	0	0	0	0	0	0	0
04/03/2008 03:26:30 PM	72	F		0	0	0	0	0	0	0	0

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10,000 data point collection:

Event Data

- Power on / off - system updates
- Sensor and log modifications

Alarm Data

- Sensor number / custom name
- Alarm reading and description
- Alarm limit settings with unit of measure
- Sensor connection and type

Sensor Data - once every 30 seconds to once every 120 minutes

- Sensor reading with unit of measure
- Wireless performance if applicable
- Alarm information if applicable

Download custom Excel Spreadsheet Template at www.EA800.net - click on literature

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