INDUSTRIES

Our revolutionary software will allow you to initiate the fastest-possible response to any arising equipment issues, protect your inventory investment, maintain compliance with governmental regulations, avoid fines and costly lawsuits, and safeguard your reputation.

Healthcare



Winland **INSIGHT*** is an automated, cloud-based critical-condition monitoring service available within the healthcare industry.

It provides early detection of environmental threats to your perishable assets, ensuring that healthcare standards are continuously upheld.

Research Facilities



Winland technology is essential to your research facility, providing early detection of threats to your fragile assets, ensuring that standards are continuously upheld. **INSIGHT** is undaunted by the prospect of monitoring your delicate assets with its automated, cloud-based, critical-condition monitoring service.

Pharmaceutical



There is no compromising when it comes to pharmaceutical standards. Safety is of paramount importance-to your clients and to your reputation.

Protect your perishable assets with **INSIGHT** and position yourself as an industry leader in regulatory compliance.

Agriculture



With the majority of American farmland being industrial agriculture, and the growth of greenhouse facilities, Winland's **INSIGHT** is essential for your maximum yield.

Foodservice



Protect your perishable assets, and your reputation with Winland **INSIGHT.** Winland technology is essential to any comprehensive food-safety program.

Manufacturing



INSIGHT allows you to initiate the fastest-possible resolution to any arising equipment issues, protect you inventory investment, and maintain compliance with governmental regulations.

Fee-based subscription required

Visit www.winland.com, call 800.635.4269 or email techsupport@winland.com to learn more.

424 North Riverfront Drive, Suite 200 • Mankato, MN • 56001 • 800.635.4269 • www.winland.com

WINLAND™
ELECTRONICS, INC.

Critical Environment Monitoring Specialists

Remove the obstacles, disruptions, distractions and concerns that impede a smoother running business. With the Winland Critical Environment Monitoring solution, you'll experience newfound freedom – and ability to focus on the very things that improve results and drive value.

The solution provides complete real-time visibility to temperature, water, gas, humidity and other physical irregularities in critical condition environments.
Curb inventory and labor costs. Ensure compliance with storage regulations. Safeguard your business reputation and market position.





Critical Environmental Monitoring Solution

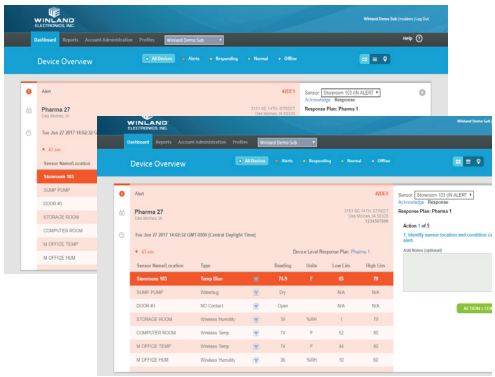
INSIGHT

Newfound freedom comes complete with plenty of options – your options. You can design response plans, receive exception alerts, generate and distribute reports virtually any way you want them. You can monitor critical environment conditions two ways – on-line via any computer or smart device for real-time data access and/or integrate the solution with a trusted security system provider for 24×7 monitoring.

The Right Response

INSIGHT *offers:*

- The ability to log an acknowledgment, or reading of a condition.
- If needed, INSIGHT can present an action step to the respondent.
- The ability to develop customized and step-by-step response plans for any type of incident, type of product - and more- with a few clicks of the system.
- Option for user to leave a comment which can be mandatory.
- The system will automatically generate an incident report that is distributed immediately after the response plan is completed.



Exception Alerts, Six Ways

When a sensor falls outside of its threshold, notifications can be sent to recipients in any of the ways users configure their notification preferences.

- Visual System Notification within the web-based application
- Email Alerts
- Text Messaging
- On-premises Audible and/or Visual Alarm
- Notification of Alert relayed to security provider monitoring station.
- Integrate notification of Alert into third-party or proprietary system.

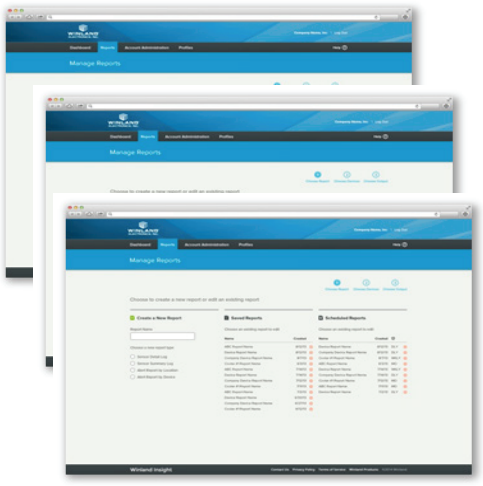


Reporting and Analytics

Robust reporting capabilities with configurable and custom reports that can be accessed on-demand or distributed to individuals and groups at specified intervals with scheduled reporting.

Six of the most common system generated reports include:

- Sensor Detail Log Report
- Sensor Summary Log Report
- Sensor Acknowledgment Report
- Alert by Location Report
- Alert by Device Report
- Alert Response Summary



Safe and simple under the hood.



Flexible Enterprise Management

Its configurable enterprise structure simplifies remote management of devices in multiple locations or within different organizational groups.

Simplified Integration

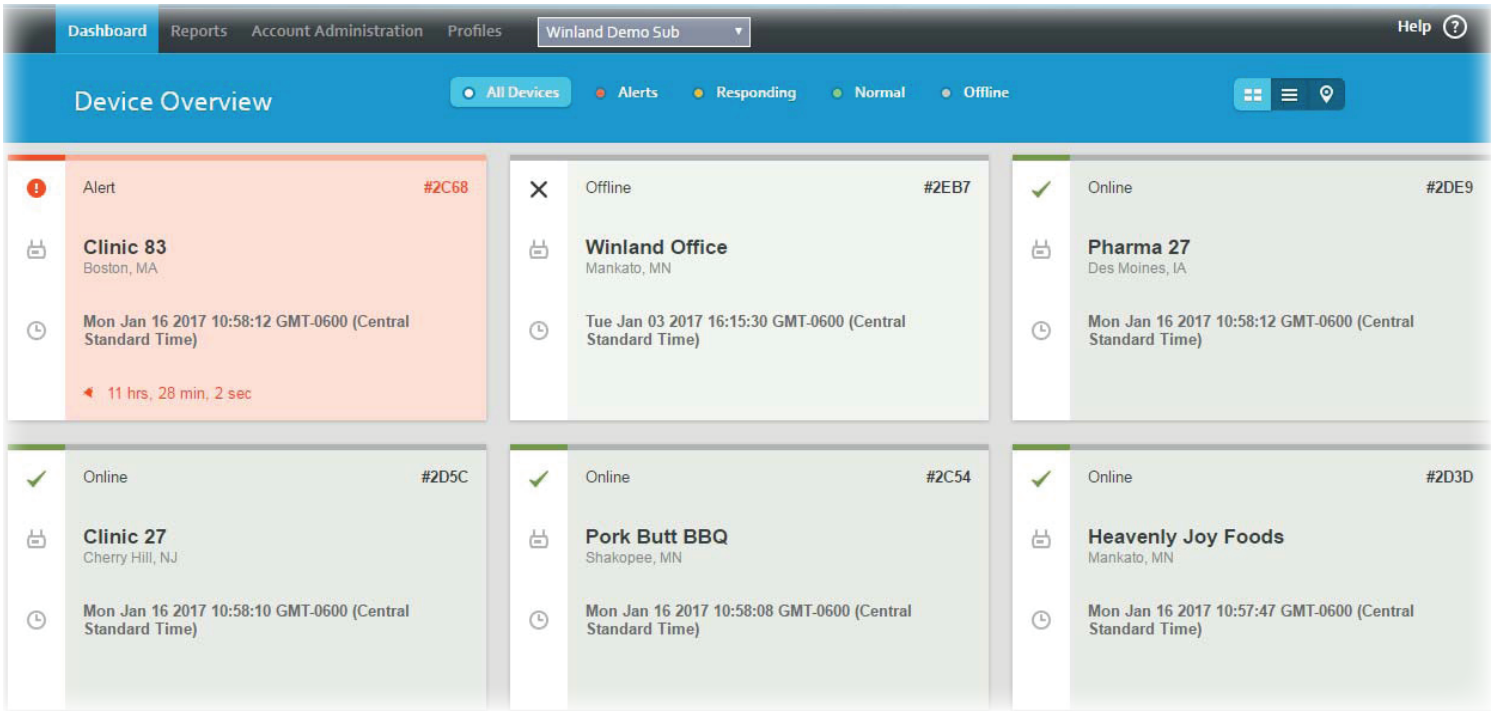
Integrating alert relays into any wired or wireless security system is easy and enables 24×7 monitoring.

Standard APIs* (based on secure web services) facilitate data extraction from INSIGHT and integration with other applications.
* Available Upon Request

Robust System Security

The Winland solution protects stored and transmitted data's security, integrity and privacy.

It's a cloud-based platform with tiered infrastructure, application, encrypted proprietary communication protocol, and SSL data traffic.



Winland Healthcare Installation

This layout example shows many applications that could be monitored individually. The **EA800-ip** cons layout using one console with hardwired and wireless sensors. The console provides electronic data log

Key points:

- Connect up to 12 sensors via the **EA800-ip** (up to 8 wireless, up to 4 hardwired)
- The **TEMP-L-S** stainless steel sensor is used in most cooler/freezer applications
- The **TEMP-L-W** waterproof sensor can be immersed, i.e., heavily washed areas etc.
- The **TEMP-G-B** is our 6oz bottle of Glycerin with a grommet top
- Wireless sensor transmission range is 45' to 100' indoor (results may vary)
- Wireless sensors cannot be placed in coolers/ freezers (use a hardwired sensor connected to an external **EA-WMFS** sensor, see Zone 8 example)

ZONE 1

Hardwired Input
Vaccine Refrigeration





TEMP-L-S



TEMP-G-B

ZONE 2

Hardwired Inp
Blood/Plasma





TEMP-L-S



TEMP-G-B

Monitoring Zone



Auxilary Alarm





Hardwired Zones

Wireless Zones

Wire
Appl
requi
cond

Console to Panel Connection

Eight of the twelve available sensors can be connected via output relay to an alarm panel.

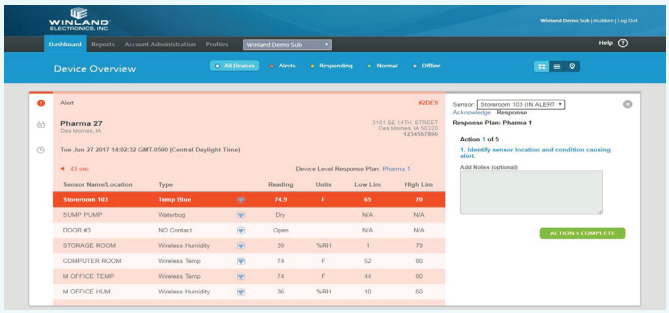
All EnviroAlert consoles have an auxiliary output relay to accommodate remote buzzers and strobes (or as an optional single output to the alarm panel).

Alarm Panel

Data Logging

INSIGHT* maintains device and sensor log data online for 18 months. Beyond 18 months and up to 36 months, log data can be obtained by emailing - insightsupport@winland.com.
*Requires a fee-based subscription.

- Locally, 10,000 data points per sensor are transferable to a USB memory stick.



9 10 11

Additional wirele
available for futu

ole was designed to monitor the entire
gging reducing risk of employee error.

WINLAND ELECTRONICS, INC.

ZONE 3

Hardwired Input
Medical Grade Vaccine Freezer







TEMP-L-S



TEMP-G-B

Cooler/Freezer Monitoring

Coolers/freezers can be monitored using hardwire sensors or wireless sensors. Wireless monitoring requires the **EA-WMFS** with a sensor.

Hardwired Installation:
Select blue sensor **TEMP-L-S or TEMP-L-W**



ZONE 4

Hardwired Input
TEMP-UL-S





ZONE 5

Wireless Input
Freezer Door
EA-WMFS +
Door contact sensor



eless Connections
ications which use an **EA-WMFS** wireless sensor
ire the connection of a sensor for the specific
ition to be monitored.

ZONE 6

Wireless Input
Laboratory





Wireless Installation:
Select **EA-WHS or EA-WTS**

12

ss sensors
re application

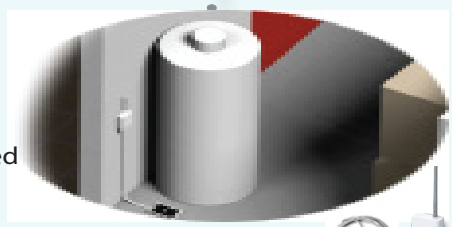
ZONE 8

Wireless Input
Pharmaceutical
Drug Storage



Wireless Installation:
Select **EA-WTS** or **HAiii+**





W-S-S Supervised Water Sensor
Supervised sensors will alarm if wire is severed as well as when water is detected

ZONE 7

Wireless Input
Water Presence
Near Water Heater

Wireless Installation:
Select **EA-WMFS** +
W-S-S

Hardware

EnviroAlert® EA800-ip



12 protection zones (*4 wired and 8 wireless*) with 9 form C relay outputs.

Specifications

Sensor Alarm Outputs	8 – Form C Relays (*Configurable*) – Max 30 VDC @ 1 Amp resistive
Auxiliary Alarm Output	1 – Form C Relay (*Non-Configurable)* – Max 30 VDC @ 1 Amp resistive
Data Collection Frequency	30 seconds, 1, 5, 15, 30, 60, or 120 minutes (*default 5 minutes*)
Power Requirements	11 to 26 VDC @ ≤500mA
Piezo Buzzer	88 dBA (min) @10 cm Continuous (*enable/disable for local audio alarm*)
Operating Temperature Range	32° to 122°F (0° to 50°C) Indoor Use Only
Console Dimensions	8.13 x 5.52 x 1.93" (20.6 x 14.0 x 4.9 cm)
Wireless Frequency	2.405 GHz – 2.480 GHz, 16 channels
Wireless Sensor Transmission Distance	45' to 100' indoor (*results may vary*)
Warranty	1 year



Wireless Sensors

Power Requirements: Battery Power: 2 – AA Alkaline Batteries or Line Power: +12VDC @ ≤100 mA

Wireless Temperature Range Sensor	**EA-WTS**	+32 to +122° F (0 to +50° C)
Wireless Humidity Sensor	**EA-WHS**	5% to 95% Relative Humidity
Wireless Multifunction	**EA-WMFS**	Utilize any of the standard hardwired sensors (*excluding the HAIII+*) in conjunction with the Wireless Sensor Adapter.

Wired Sensors and Accessories

Ultra Low Temperature Thermistor – Stainless Steel	**TEMP-UL-S**	-148 to +32° F (-100 to 0° C) or -112 to +32° F (-80 to 0° C) (*with EA-WMFS Wireless*)
High Temperature Thermistor – Stainless Steel	**TEMP-H-S**	+32 to +302° F (0 to +150° C)
Low Temperature Thermistor – Stainless Steel	**TEMP-L-S**	-58 to +158° F (-50 to +70° C)
Low Temperature Thermistor – Waterproof	**TEMP-L-W**	-58 to +158° F (-50 to +70° C)
High Temperature Thermistor – Waterproof	**TEMP-H-W**	+32 to +221° F (0 to +105° C)
WaterBug® – Supervised Surface Sensor	**W-S-S**	Water Presence Detection
WaterBug® – Supervised Under Carpet Sensor	**W-UC-S**	Water Presence Detection (*for use under carpet)*
Humid-Alert® - Humidity Sensor	**HA-III+**	Humidity Sensing Range: 5-95% RH +- 5% @ 77° F
6 oz Bottle of Glycerin and Grommet Cap	**TEMP-G-B**	
Temp Probe Flat Cable Splice Kit – 5'(1.53 m)	**TEMP-S-K**	

Monitor other critical environments with 4-20mA Sensors
(Gas, Light, Extreme Temps, pH, Pressure, etc.)

Certifications

For additional assistance contact tech support at 800.635.4269 Ext. 1 or email techsupport@winland.com

Critical Condition Monitoring Application Data

Step 1 - Evaluate Job Sites for Critical Condition Monitoring Applications

___ Pharmaceutical Drug Storage
___ Blood/Plasma Storage
___ Clean Rooms
___Other: _____

___ Food Services/Storage
___ Deli Coolers
___ Walk-in Freezers
___Other: _____

___ Computer Room
___ Hot Water Heaters
___ HVAC Monitoring
___Other: _____

___ Heat/Vibration Monitoring
___ Livestock Facility
___ Warehouse

Step 2 - Determine Customer Requirements

Integrate with Existing Alarm System: ___Yes ___No
Local Alarm Required: ___Yes ___No
Emails, Texts and Reporting ___Yes ___ No
Data Logging Required: ___Yes ___No
NIST Calibration Required: ___Yes ___No

Coolers:

___Reach In ___Enclosed Case ___Walk-in
___Other: _____

Cooler Count: _____ Fan Count: _____
Cooler Temp Range: _____
Cooler Contents: _____
Defrost Cycle Length: _____

Humidity:

Number of Locations: _____
High Setting: _____ Low Setting: _____

Water Sensing:

Number of Locations: _____

Freezers:

___Reach In ___Enclosed Case ___Walk-in
___Other: _____

Freezer Count: _____ Fan Count: _____
Freezer Temp Range: _____
Freezer Contents: _____
Defrost Cycle Length: _____

Toxic Gases:

Gas Type: _____
Unit of Measure: _____

Other: _____
_____

Step 3 – Select Product Quantity

_____ EA200 Console (on-board temp/1 hardwire sensor input)
_____ EA400 Console (4 hardwire sensor inputs)
_____ EA800-ip Console (up to 4 wired sensors, up to 8 wireless sensors)
_____ TEMP-L-S Low Temperature Sensor, Stainless Steel
_____ TEMP-L-W Low Temperature Sensor, Waterproof
_____ TEMP-H-S High Temperature Sensor, Stainless Steel
_____ TEMP-H-W High Temperature Sensor, Waterproof
_____ TEMP-UL-S Ultra Low Temperature Sensor, Stainless Steel
_____ TEMP-G-B 6 oz Bottle of Glycerin and Grommet Cap
_____ EA-WTS Temperature Sensor, Wireless
_____ EA-WHS Humidity Sensor, Wireless
_____ EA-WMFS Multi-Function Sensor, Wireless
_____ HA-III+ Humid-Alert® Electronic Humidity Sensor
_____ W-S-S WaterBug® Water Sensor, Supervised
_____ W-UC-S WaterBug® Under Carpet Water Sensor, Supervised
_____ 12VDCT 12-Volt Power Transformer
_____ Sensors with 4-20 mA Connection

Step 4 – Sensor Placement

Create diagram of sensor locations

