

WebAlert® was developed to meet the increasing demands for improved operational efficiencies and enhancements to service programs that can be gained by continuous monitoring of remote equipment and systems.

WebAlert® seamlessly web-enables your installed equipment, providing local and remote access to vital system information, without the need to physically visit remote sites. WebAlert® monitors and datalogs analog and digital inputs from virtually any installed device, and notifies on-site and remote personnel of any system abnormalities.



## WebAlert®

### Web-Based Remote Monitoring and Data Logging

The data handling and communications options in WebAlert® are truly innovative. Ethernet and USB are standard features, therefore local or plant networked PC's can be connected and communicating with WebAlert® in true Plug & Play fashion. Authorized operators and quality control personnel can view LIVE system parameters and historical graphs, as well as receive emailed alarms, reports or datalog files.

#### Summary of benefits:

- Integrates functions of data logger and auto-dialer in one low cost package
- No proprietary software required to view data and program settings - just a web browser
- No subscription service or monthly fees are required
- Access live or stored data remotely within the facility (LAN) or from anywhere in the world
- Instant alarm notification via cell phone text message, email, or local alarm relay
- System status reports and datalog files can be emailed automatically

# WebAlert® Features

## Convenience

WebAlert® has been designed with convenience and ease-of-use in mind. It has extensive built-in datalogging capability so there's no need for a separate datalogging device. The data can be retrieved automatically (email Excel file attachment) or manually, through the convenience of a standard USB flash disk.



Simple data extraction to USB stick

## Simplicity

Unlike PLC's or similar devices, WebAlert® does not require a software programmer for customization to your application. This reduces upfront costs and eliminates recurring expenses for software maintenance. Commissioning is as simple as connecting with a laptop and following the intuitive menus to configure the WebAlert® to meet your needs.



Receive alarms via cell phone text messaging.

A variety of reporting options can be utilized to meet your needs. A system summary report provides a snapshot of current conditions and alarms. A datalog report can be sent on a regular basis for historical trending. In addition, email and cell phone text alarm messages can be sent.



spreadsheets

Receive spreadsheet datalogs as an attachment to an email at user defined time periods.

WebAlert							
		Alarm Status: 1) ORP (AI_2) Low Alarm			Controller Restart		
Thu May 24 08:19:27 2007							
4-20mA Inputs	Measure	Last 24 Hrs			Status	Total	
pH(AI_1)	7.65 pH	7.65	7.65	7.65	Normal	N/A	
ORP(AI_2)	-43.37 ORP	-43.35	-43.37	-40.55	Low Alarm	N/A	
FlowMeter2(AI_4)	84.79 Gal/min	84.72	84.65	84.79	Normal	1323313.00	
Bleach Tank(AI_5)	434.95 gal.	434.63	433.54	434.95	High Alarm	N/A	
Acid Tank(AI_6)	40.55 gal.	40.55	40.55	40.55	Normal	N/A	
Digital Inputs	Input Type	Status	Total	Rate			
Flowmeter2(DI_1)	Contact Flow Meter	Normal	2251.29	gal	N/A	N/A	
Flow Switch(DI_2)	Generic Input	Flow   1 days,15:40:0	N/A	N/A	N/A	N/A	
Switch1(DI_3)	Generic Input	Open1   1 days,15:40	N/A	N/A	N/A	N/A	
FlowMeter1(DI_4)	Paddlewheel Flow Meter	Low Alarm	93903.92	gal	0.00		
Switch2(DI_5)	Generic Input	Open2   1 days,15:40	N/A	N/A	N/A	N/A	
Switch3(DI_6)	Generic Input	Open4   00:15:23	N/A	N/A	N/A	N/A	
Output	Status						
Alarm	Off						

## Remote System Monitoring

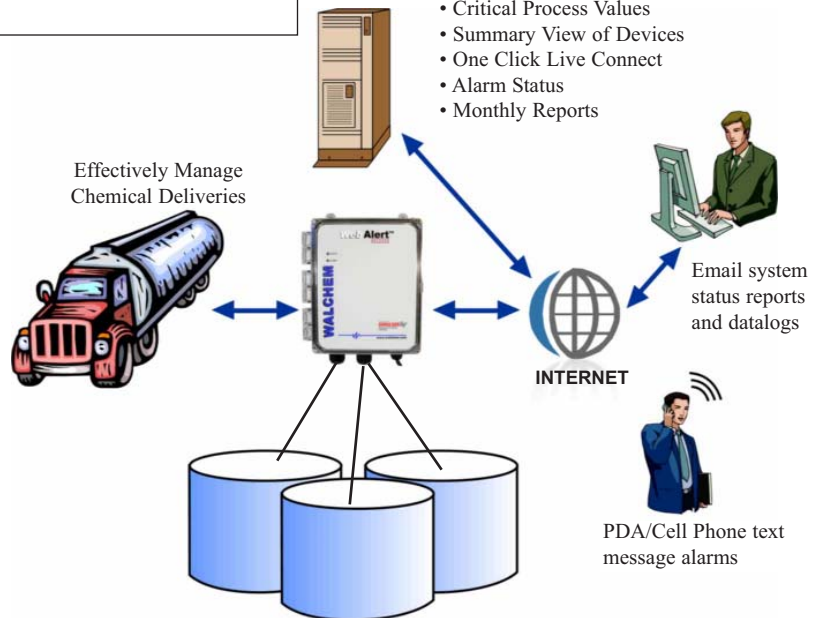
WebAlert® will monitor up to six (6) 4-20mA signals and six (6) discrete inputs, giving you instant access (from anywhere in the world) to vital system parameters, including level, flow, pressure, temperature, or any other device with a standard 4-20mA or discrete output.

Online Device Management Service

- Critical Process Values
- Summary View of Devices
- One Click Live Connect
- Alarm Status
- Monthly Reports

## Remote Chemical Inventory Management

WebAlert® is perfect for remote chemical inventory management. Level sensors and switches from a variety of sensing devices may be connected directly to the WebAlert®, providing live information about chemical inventories, which makes management of chemical deliveries efficient, prevents down-time in critical processes, and provides immediate notification of alarm conditions. An online device management service from Walchem will be available to enable the user to view all of their locations on a single web page.



Effectively Manage Chemical Deliveries

Email system status reports and datalogs

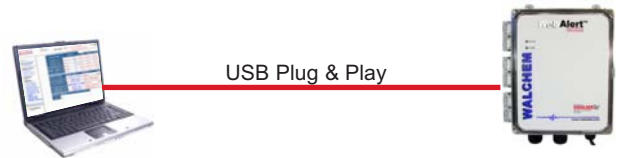
PDA/Cell Phone text message alarms

# Communications Overview

WebAlert's embedded web-server and TCP/IP Internet communications make it possible to establish local or remote communications with a standard web browser from a laptop or PC. USB and Ethernet are standard features, allowing easy on-site access for plant personnel and system operators. Remote communications can be accomplished via the Internet or over a phone line with the PSTN (landline) or Cellular modem option. WebAlert® supports simultaneous multi-user access, which makes it possible for personnel from local and remote locations to view live data, troubleshoot, and configure the system more efficiently than ever before. A graduated password protection system allows users varied degrees of access from "view only" to "full configuration".

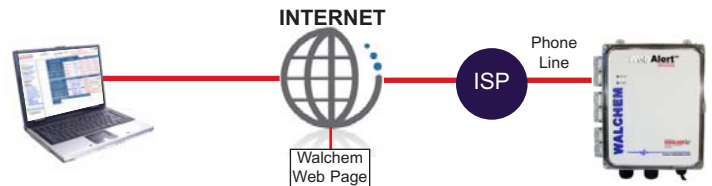
## USB Plug and Play

For local monitoring and reconfiguration of your **WebAlert®** via LapTop or dedicated on-site PC.



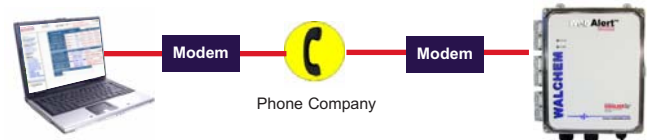
## ShoulderTap® Internet Communications

For monitoring and reconfiguration of your **WebAlert®** remotely via the Internet (requires landline or cellular modem card option).



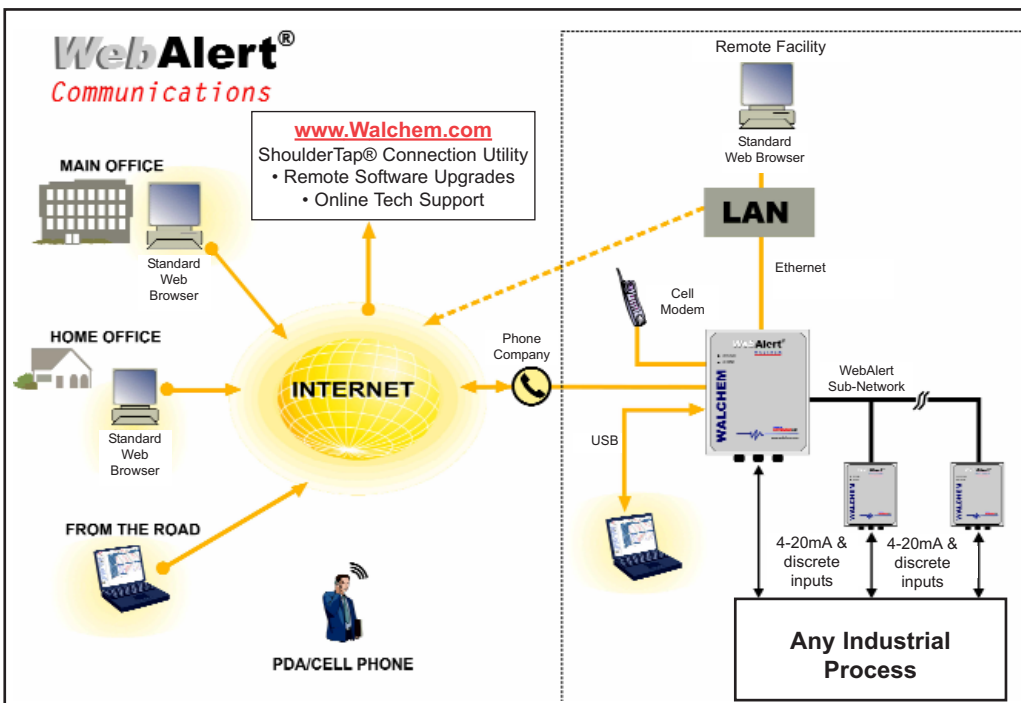
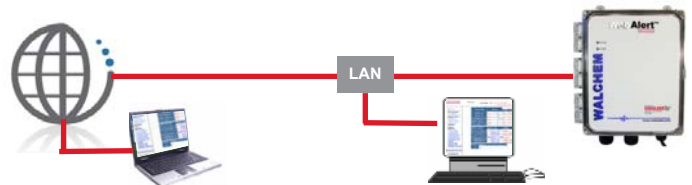
## DirectTap Modem-to-Modem

For remote monitoring and reconfiguration of your **WebAlert®** using traditional modem-to-modem communications (requires landline modem card option).



## Ethernet

For monitoring and reconfiguration of your **WebAlert®** via Local Area Network or remotely via the Internet.



## Ethernet Networking Option

By using the on-site Local Area Network (LAN) or by connecting the WebAlerts® together via Ethernet, you can access all of the WebAlerts® on a network from a single phone line or IP address. The "Master" WebAlert® automatically detects the other WebAlerts® and serves as a window to the "slaves" on the network, greatly reducing the cost and time associated with device configuration and running phone lines to each device. DHCP is supported to enable WebAlert® to automatically obtain an IP address from the LAN.

# Specifications

## Measurement Performance (4-20mA Inputs)

Range: 3.75-20.25 mA  
 Resolution: 0.03 mA  
 Calibration: ±1 mA

## Mechanical (Enclosure)

Material: Polycarbonate  
 NEMA Rating: NEMA 4X (IP65)  
 Dimensions: 32.4 cm x 24.4 cm x 8.3 cm  
 (12.75" x 9.60" x 3.25")  
 Operating Ambient Temp: 0 to 60°C (32 to 140°F)  
 -29 to 80°C (-20 to 176°F)  
 Weight: 2.0 kg (4.5 lbs)

## Electrical

Input Power: 100-240VAC ±10%  
 1.0A, 50/60Hz  
 Fuse 1.0A 5 x 20mm

Analog Input Signals (6): 4-20 mA, 2 or 3-wire  
 Internally powered by 24VDC  
 110 ohm input resistance  
 1000 ohm maximum load

Digital Input Signals (6)  
 Flow meter (D1-4 only): Isolated dry contact (relay, reed switch or Hall effect), 0-400 Hz,  
 1.5 msec minimum width

Switch (D1-6): Isolated dry contact (relay, reed switch or Hall effect), 0-10 Hz,  
 50 msec minimum width

Outputs  
 Solid State Relay: Dry contact 0-40VDC  
 No AC Voltage  
 150 mA maximum load




Digital: USB, Ethernet, 10 Base T

## Agency Certifications

UL ANSI/UL 61010-1:2004, 2nd Edition\*  
 CAN/CSA C22,2 No.61010-1:2004 2nd Edition\*  
 CE Safety EN 61010-1 2nd Edition(2001)\*  
 CE EMC EN 61326 :1998 Annex A\*

Note: For EN61000-4-6,3 the WebAlert® met performance criteria B.

\*Class A equipment: Equipment suitable for use in establishments other than domestic, and those directly connected to a low voltage (100-240 VAC) power supply network which supplies buildings used for domestic purposes.

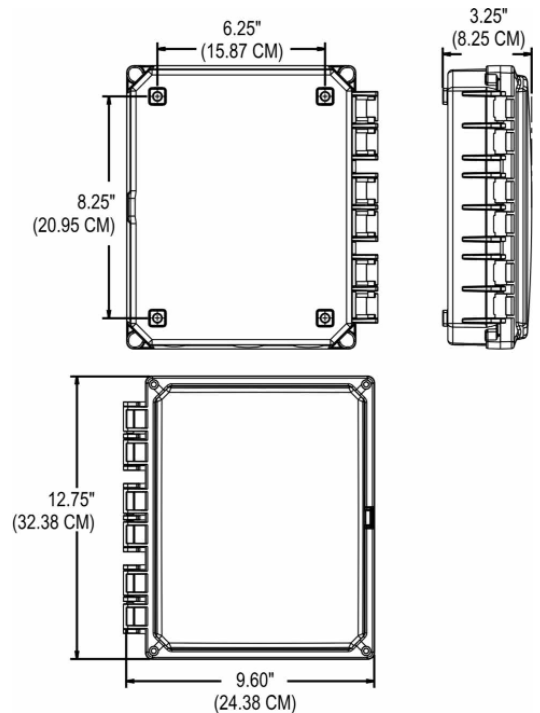
**WA500-**   

Base Model      1      2      3

**1** Wiring Options  
 H Hardware, cable glands  
 P USA power cord w/cable glands

**2** Communications (USB & Ethernet Standard)  
 N No additional communications  
 M Modem card  
 G\* Cellular modem card (GPRS North America)  
 F\* Cellular modem card (GPRS rest of world)  
 C\* Cellular modem card (CDMA)  
 \* Pending

**3** Communications Software  
 N None  
 1 Ethernet Networking Master Capability



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