OmniSite
CELLULAR MONITORING SOLUTIONS

Item Description

The OmniSite XR50 alarm monitor provides the capability to monitor remotely located equipment and machinery without dedicated telephone lines or proprietary radio systems. Your connected equipment is completely monitored over the Internet using just a web browser, so there is no software to buy. If an abnormal condition occurs, notifications are sent by e-mail, pager, or voice call to any location.

Features

• Microprocessor based alarm monitor

• Pulse totalization feature

• Daily reports of accumulated equipment run time

• True SCADA replacement at fraction of cost/complexity

• Cellular GSM coverage works where private radio systems cannot reach

Application

The OmniSite XR50 provides for a flexible, easy to install and configure, powerful equipment and machinery alarm monitor.

Single Integrated device eliminates the need for multiple PLCs, radios, software, computers, modems, relays and other accessories. Complete packaged unit can be installed in under two hours, without the need for highly specialized technicians.

The XR50 includes OmniSite's "plug and play" GuardDog web interface which eliminates the need for custom programming.

Specification Highlights

Power	12 VDC or 120 VAC
Communications	Cellular GSM 850/900/1800/1900 MHZ
Inputs	(10) Universal Inputs accept 12 VAC/VDC – 120 VAC/VDC
Access Key	Smart security key to identify personnel on site
Terminal Blocks	Removable style accepts #14-18 AWG solid or stranded wire
Operating Temp.	-20/150 Deg F
Operating Humidity	0-90% RH Non-condensing
Dimensions	8.9"H x 9.4"W x 3.5"D
Memory Stick LCD	32Mb- 1 Gb user selectable
Display Keypad	Backlit 2 X 16 (4) universal navigation buttons

OmniSite products are protected by US Patent #7,228,129 and other patents pending

Ordering Information

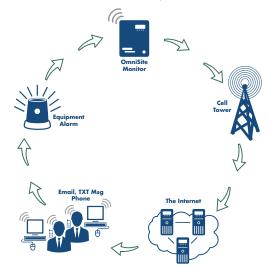| Model	Description		
XR50	XR50 Alarm Monitor		
	Enclosure Options		
	PM	No Enclosure – NEMA 1 Rated	
	EN	NEMA 4X Enclosure with Solid Opaque Cover	
	ENCV	NEMA 4X Enclosure with Clear See-Through Cover	
		Power Supply	
		12	12 VDC
		120	120 VAC

XR50	ENCV	120

Example: XR50-ENCV-120 XR50 Alarm Monitor in NEMA 4X Enclosure w/ clear cover and 120VAC power.

How OmniSite Works

OmniSite relies on a combination of cellular telephone and web based technology. The XR50 is installed at your remote equipment and sends a wireless signal to the local cellular tower.

That signal is bounced to OmniSite's web interface, where you can log on - any day, any time, from any computer - and see how your remote equipment is operating. A "call out" list is set up online, so that when an alarm is triggered, identified operators are contacted immediately.

Because OmniSite engineers recognize today's fast-paced busy world, that notification comes by way of text message, email or call to your cellular or hard-wired phone.

Wiring

NOTE: The XR50 Universal Voltage Inputs cannot directly monitor a dry contact. Example shows them being powered by Onboard 12VDC supply, but could be any source up to 120VAC

EXAMPLE:

Pump 3 Run Contacts
Pump 2 Run Contacts
Pump 1 Run Contacts
Flow Meter Pulse Output (30 HZ Max)
Rain Gauge Pulse Output (Each Pulse = 0.01")

120 VAC Input Power 0.3 mps max