OmniSite

CELLULAR MONITORING SOLUTIONS

Item Description

The OmniSite Crystal Ball is a stand alone single channel set point controller and web based alarm notification system that provides the capability to monitor and control remotely located equipment of any type without dedicated telephone lines or proprietary radio systems. Your connected equipment and machinery 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

- Immediate alarm reporting, otherwise report machinery operational data every 15 minutes using the Elite Data package

- True SCADA replacement at fraction of cost/complexity

- Perfect solution for monitoring critical or remote applications

- Advanced internet based monitor, analyzer and controller

Application

The OmniSite Crystal Ball provides for a flexible, easy to install and configure, powerful controller/ monitor.

The OmniSite Crystal Ball data may be also fully integrated into existing SCADA databases using OmniSite's SCADA-Bridge™ software package.

Single Integrated controller 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 Crystal Ball includes OmniSite's "plug and play" GuardDog web interface, which eliminates the need for custom programming.

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

Specification Highlights

Power	12 VDC or 120 VAC
Communications	Cellular GSM 850/900/1800/1900 MHZ
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
Certification	UL Pending
Dimensions	8.9"H x 9.4"W x 3.8"D
Memory Stick	32Mb- 1 Gb user selectable
LCD Display	4 X 20 rugged operation
Keypad	(8) universal navigation buttons
Analog Inputs	(4) 4-20mA, isolated, 10 bit resolution
Relay Outputs	(4) 20A @ 120VAC resistive
Digital Inputs	(14) Universal Inputs accept 12 VAC/VDC – 120 VAC/VDC

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Ordering Information

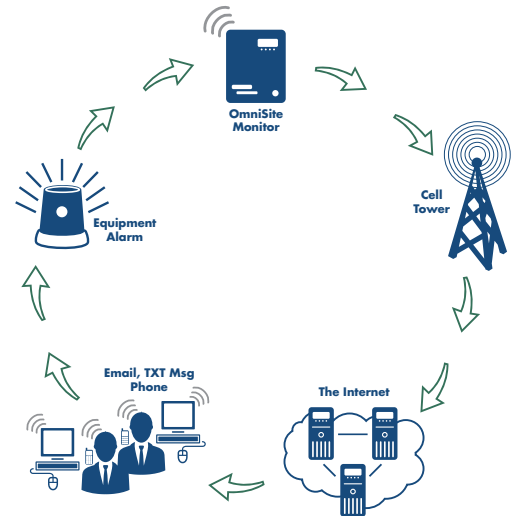| Model	Description		
CB	Crystal Ball Set Point Controller		
	Enclosure Options		
	PM	No Enclosure – NEMA 1 Rated	
	EN	NEMA 4X Enclosure with Solid Opaque Cover	
	ENCV	NEMA 4X Enclosure with Clear See-Through Cover	
		Power Supply	
		12	12 VDC
		120	120 VAC

CB	ENCV	120

Example: **CB-ENCV-120 Crystal Ball Set Point Controller 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 Crystall Ball 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

CRYSTAL BALL
SETPOINT CONTROLLER*

*Refer to user manual for wiring details