

Advantis

Remotely Monitor and Control Equipment

PROGRAMMABLE CONTROLLER (PLC) MONITORING SYSTEM

The Advantis System monitors ANY remote system for ANY alarms and ANY data. It collects information and relays it directly to your computer or cell phone via the GSM cellular network and the Internet. The Advantis system requires no programming and simply relays information you direct out of the RS232 port from your Programmable Controller (PLC). Installed in about 1 hour by maintenance personnel the system starts relaying information immediately to a secure web page. Typical information could be:

- Hi/low level alarm
- Daily run times
- Ph
- Loss of AC power
- Equipment alarms monitored by the PLC

Benefits/Features

- No infrastructure required
- No monitor system programming
- Simple and cost effective
- 1 hours install and setup
- Notification of alarms via text message, email, or recorded voice alarms
- One click import to Excel
- 1 year parts warranty

Favorable Lease Options Available



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THE ADVANTIS SYSTEM

The Advantis remote monitoring and control system is made up of three basic parts: secure Internet interface, GSM, and field equipment.

Secure Internet Interface

Signing on to your monitoring system can be done from any computer connected to the Internet. Just click the browser button and type in www.AdvantisUS.com. Click the secure login button and sign in with your unique user name and password. Once in, you have options to set up additional users for your company or go directly to Reports and Graphs and start viewing data from your remote equipment. If you choose, data can easily be moved into an Excel spreadsheet on your local computer.

GSM (Global System for Mobil communication)

AT&T cellular coverage is necessary for communications. GSM is an international standard for digital communications on a cellular network.

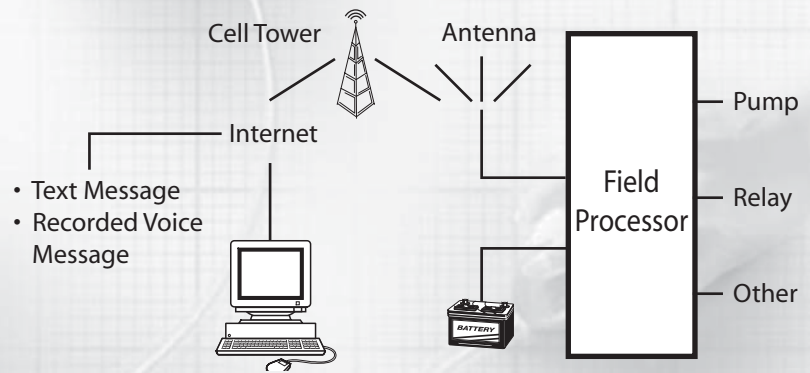
Field Equipment

Basic field equipment is made up of an enclosure with an antenna, battery, and field processor. 110 VAC power is required and one RS232 cable is plugged into the PLC.

*Typical
Installed
Monitor
System*



The Advantis System



Installation Overview

It takes about an hour to mount the enclosure and route two cables. One cable is 110 VAC while the other is an RS232 cable that plugs directly into the PLC's RS232 port. The antenna is part of the enclosure.

How It Works

The PLC Monitoring System is designed let you, the user, relay as little or as much information to the Web host as you desire. Data communication and user presentation is taken care of by the Advantis System.

All PLC's have the ability to transfer information out of the RS232 port. This is configured inside the PLC program and is usually done by the person that maintains the PLC program. Once data is relayed to the Web, it can be viewed on screen real-time. This gives immediate feedback and allows the person doing the configuration to quickly make adjustments.

Many times the data from a PLC is cryptic. The real power in the system is using the Web interface tools to further 'clean-up' the data and put it in a user-friendly format. The user then identifies key pieces of information that may require sending alarms. The Web interface is used to enter a person's email or cell phone to allow notification of alarms.

A Value Added System – reduce costs and bring value to the company

Remotely monitoring reduces costs by avoiding sending personnel to the remote location on a regular basis to check the equipment. Depending on distance, location, and number of pieces of equipment, the payback is almost immediate. The real value to the company is usually meeting regulatory requirements and reduced environmental impact when equipment does fail. Notification is immediate compared to the old method of having a person drive to the location once a day and find a problem that has existed for hours and possibly fouling the environment.

Management now has more timely and accurate information for reporting.