

# New Technology already Used by NSA and Armed Forces

## Kick-off &

## Remote Monitoring Fiber

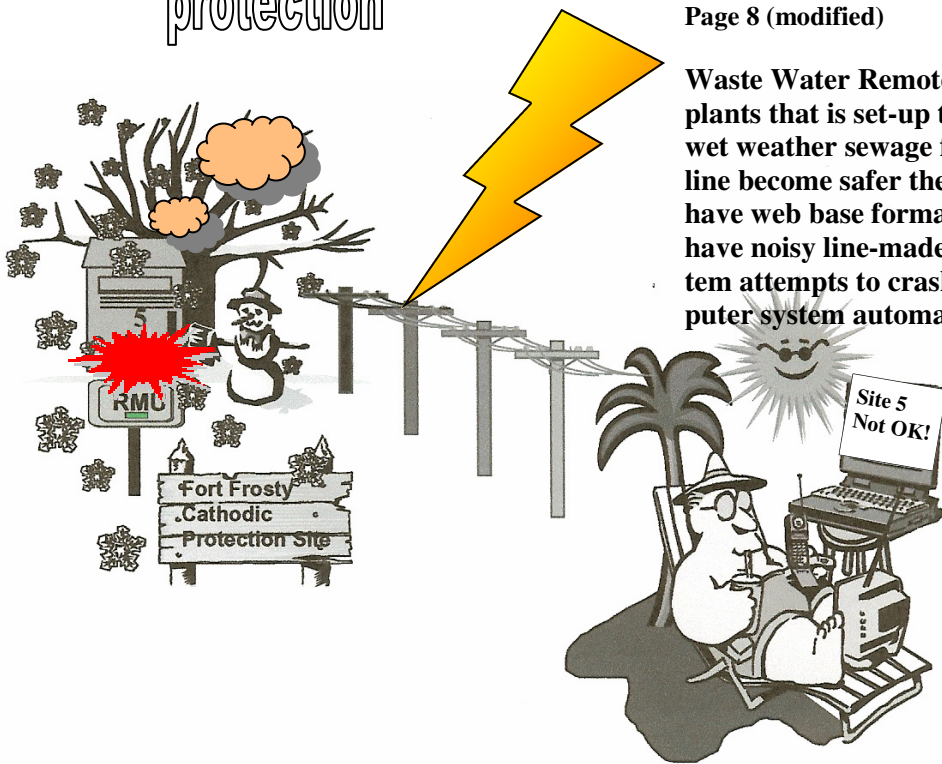
## optic phone line

## protection

# Adequate Protection for Extremely High Lightning Prone areas.

Acquired information from USACERL FEAP UG-97/75  
Page 8 (modified)

Waste Water Remote Monitoring on unmanned satellite plants that is set-up to automatically handle high volume wet weather sewage flow can be monitored over the phone line become safer than any other source of access. If you have web base format you never loose data again. If you have noisy line-made is made clear as a bell.. If your system attempts to crash we offer Kick it to reboot the computer system automatically.



# A Seven Year old Can Install it!

Figure 1. Remote monitoring allows a cathodic protection system to be evaluated from a distant location. At least we thought it was OK!

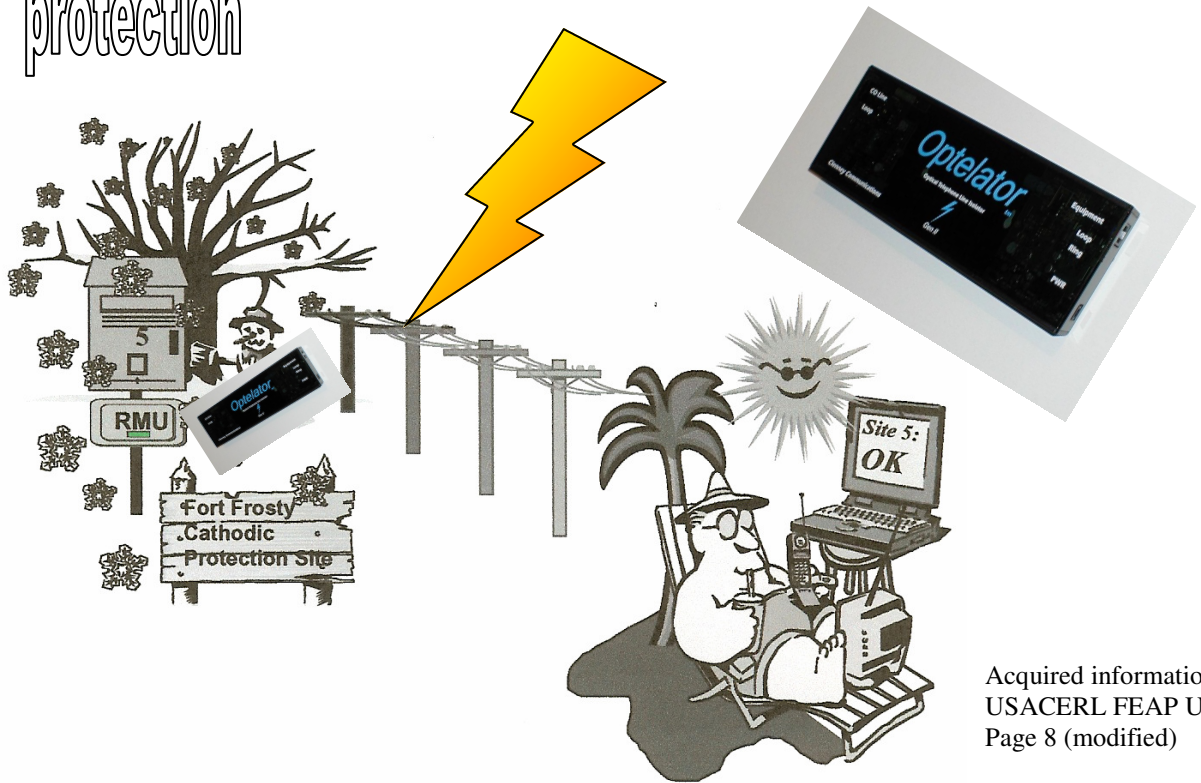
100% effective  
Eliminates the  
Ground differential  
between the Phone line  
and the Equipment ground  
It is impossible  
for Lightning to  
Get through

# New Technology already Used by NSA and Armed Forces

## Remote Monitoring Fiber

optic phone line

protection



Acquired information from  
USACERL FEAP UG-97/75  
Page 8 (modified)

Figure 1. Remote monitoring allows a cathodic protection system to be evaluated from a distant location. AOK!

USACERL FEAP UG-97/75  
Page 8 & 9 Fig. 2

100% effective  
Eliminates the  
Ground differential  
between the Phone line  
and the Equipment ground  
It is impossible  
for Lightning to  
Get through  
Even at both ends.

# Telephone Protection

## Real Fiber Optics

Your phone could vaporize, and your modem will never see it.

[Http://www.opticsshield.com](http://www.opticsshield.com)

### OPTILATOR™



## APPLICATIONS

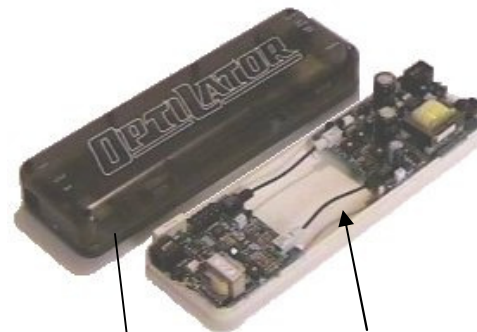
**Full Fiber optic isolation from Telephone lines**

- Access Control Systems
- Burglar Alarm Systems
- Fire Alarm Systems
- Video Services Using Phone Lines
- Computer Modems
- Facsimile Machines
- Communicating Copiers
- Inter-Active Video Games
- Direct TV Phone Lines
- Home & Business Telephone Systems
- Credit Card Readers/Dialers
- ATM Machines
- Point of Sale Terminals
- Operator Consoles
- Cordless Telephones
- Communicating Medical Devices
- Answering Systems
- Monitoring Devices

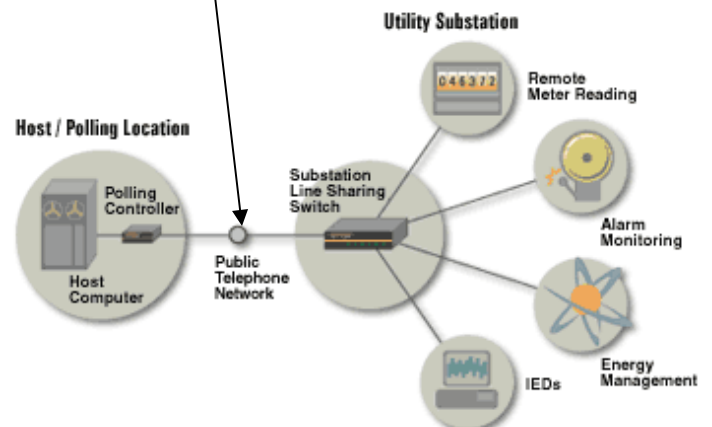
**Remote Monitoring Devices**

**10,000 Volt Differential issues!**

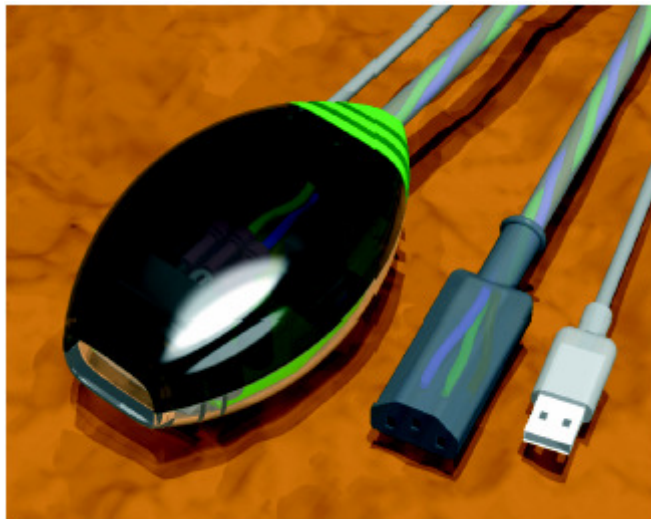
Laptop Computers, and all Computers



**Real Fiber Optics!!!!**



# Kick-off!®



## SYSTEM MONITORING AND CRASH RECOVERY

- System-level crash detection
- Custom application monitoring
- Flexible crash recovery
- Simple installation and configuration

## THE SIMPLE RELIABILITY SOLUTION

Kick-off!® provides comprehensive automatic crash detection and recovery for servers, kiosks, or any unattended computer where 24x7 uptime is critical. Kick-off! is a small USB device that monitors your system and automatically restarts it when it crashes. Kick-off! provides application crash detection, logging and preventative restarting capabilities. You'll sleep better at night, knowing that Kick-off! is there to assure maximum availability of your server.

### SYSTEM CRASH DETECTION

Kick-off! detects system crashes using a patented combination of hardware and software. The hardware connects to your computer's USB port and power cord.

While your system is running normally, the software is in constant communication with the hardware. If the system crashes, this communication fails. The hardware waits for a user-settable period of time to ensure that the system is not simply busy with other tasks. After this delay, Kick-off! restarts the computer by temporarily interrupting the power to the computer. No crash is too hard to keep Kick-off! from doing its job!

### APPLICATION MONITORING

When an application crashes, other tasks can continue without interruption, so *system* crash detection is not enough. But Kick-off! also includes *application* monitoring using our "Rebound!®" technology.

Kick-off!'s application monitoring works by receiving status information from *within* applications themselves. Applications with this support periodically update a "Rebound! Timer" in the Kick-off! software. If the application fails to update this timer, Kick-off! takes action.

# DATA SHEET

## Two Levels of Crash Recover

When an application with Rebound! Supports fails, the Kick-off! Software will perform a “graceful” system restart. If this fails, or the entire system has crashed, the Kick-off! Hardware will resort to “pulling the plug,” giving the system a fresh start.

## Error Logging

Kick-off! Automatically keeps a record of its activity in the computer’s logging system. Administrators can view a detailed log of the date, time, priority, source and nature of activity.

## Other Server Control Features

To round out its list of features, Kick-off! Adds scheduled restarts. You can set up an automatic restart to occur on a daily or weekly schedule. This lets you minimize the effects of problems such as gradual memory leaks and fragmentation. By restarting when the server is not busy, you ensure that your server applications will keep running when you need them most.

## Easy Installation and Configuration

Kick-off! Consists of a small USB device and system software. Simply plug your computer into Kick-off!, connect the USB cable, run the easy software installer and Kick-off! Is on the job!

Kick-off! Comes preconfigured to work on most systems without needing any special setup. The included control panel makes customization a breeze.

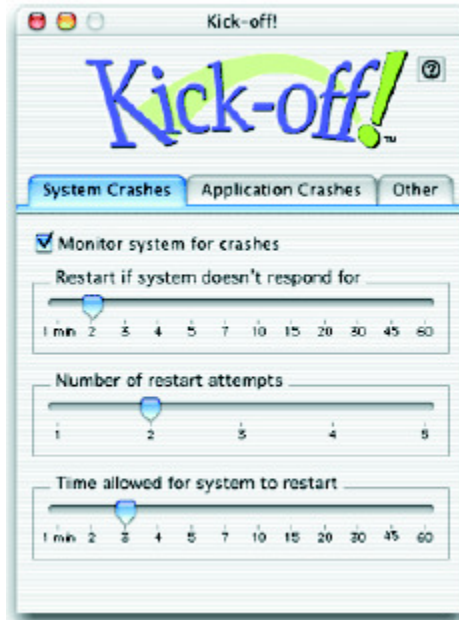
## Mac Version Extra Features

The Macintosh versions of Kick-off! Include powerful extra features, which take advantage of unique abilities of this platform.

Both the Mac OS 9 and OS X versions can be controlled via AppleScript, and can restart many Mac models after a

power failure (see “System Requirements”), even if your UPS shuts down the system.

The Mac OS 9 version of Kick-off! Includes several exclusive features: it can monitor for crashes in any application (not just those with support for Rebound! Timers), and it comes with a monoLog, our powerful logging and notification system. With monoLog, not only can you see a log of activity, but you can be notified by e-mail or pager when problems arise.



## TECHNICAL SPECIFICATIONS

Size (HxWxL).....	1.75" x 2.6" x 4.4" (4.5cm x 6.6cm x 11.2cm)
Interface.....	USB low power (0mA), low speed
Voltage.....	100-240 VAC / 50-60 Hz
Power Draw.....	0.5W
Current Handling.....	1.0A.....
Approvals.....	CE, UL, CUL, FCC
Warranty.....	1 year

## SYSTEM REQUIREMENTS

Macintosh: Macintosh with USB port, Mac OS 8.6–9.x, 10.1 or higher. Power failure restart feature works with G4 models made before September 2002, and iMacs made before September 2000.

Windows: Windows-compatible computer with USB port, Windows 98, ME, 2000 or XP.

Red Hat Linux: X86 computer with USB port, Red Hat Linux 7.1 or later.

All Versions: Compatibility with laptops not guaranteed and may require adapter cables. Rebound! Timer monitoring requires support from application.

## Ordering Information

### Part Numbers

Macintosh: KO-M, Windows: KO-W

Red Hat Linux: KO-L