

- Industrial
- High Ceilings
- Extreme Hazards



## Difficult Applications

# When All Else Fails...

<b>Dirty</b>	<b>Dusty</b>	<b>Humid</b>
<b>Gases</b>	<b>Vapors</b>	<b>Chemicals</b>
<b>High Ceilings</b>	<b>High Airflow</b>	<b>High Temperatures</b>

Industrial and harsh environmental applications are traditionally difficult to protect with conventional detection methods. Exposure to dirt, dust, humidity and corrosive conditions can cause other aspirating fire detectors to fail in offering the reliable and cost effective solution that these "challenging" environments require. Accelerated wear on other systems from harsh conditions increases both maintenance of the installed system and the occurrence of false alarms. This creates a significantly more costly system to maintain, and false alarms caused by inappropriate detectors can disrupt normal business operations.

# PROX4



The ProX4's advanced CCD technology is TRULY immune to dust, dirt, and pollutants that can cause false alarms in other detectors. The ProX4 can also detect at ceiling heights of up to 125', in winds up to 67MPH, protect more area than any other detector on the market, and has the largest aspirating pipe network available. Combined with single point maintenance, the ProX4 offers the greatest versatility and reliability at the lowest cost for your challenging environment.

# PRO Series -Industrial

**The Only TRULY Industrial Air Sampling Detector**  
**For Hostile and Difficult Environments**

Freezers  
Warehouses  
Laboratories  
Textile Plants  
Manufacturing  
Chemical Plants



Factories  
R&D Facilities  
Processing Plant  
Industrial Coolers  
Harsh Environments  
Gaseous Environments



- Early Warning
- Before Smoke
- Cost Effective

## Harsh and Difficult Environments

### The Industrial Solution



- Before Smoke
- No False Alarms
- Unaffected by Stratification
- Lower Maintenance Costs

**PROTECTING  
INDUSTRIAL  
ENVIRONMENTS  
SINCE 1972**

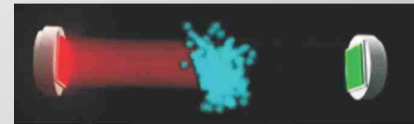


- Single Point Maintenance
- Ceiling Heights up to 125ft.
- 42,300 sq.ft. of Coverage
- Extreme Temperatures

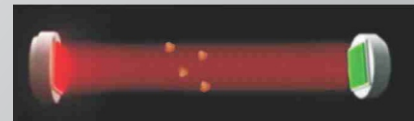


### Behind The Technology

Air samples drawn into a ProSeries detector are passed through a CCD chamber for analysis. The CCD chamber amplifies the invisible .0025µm particles released during the overheating stage of a fire, prior to any smoke. These amplified particulate are directly proportional to the level of the fire event, and are detected via microscopic obscuration using a high output diode.

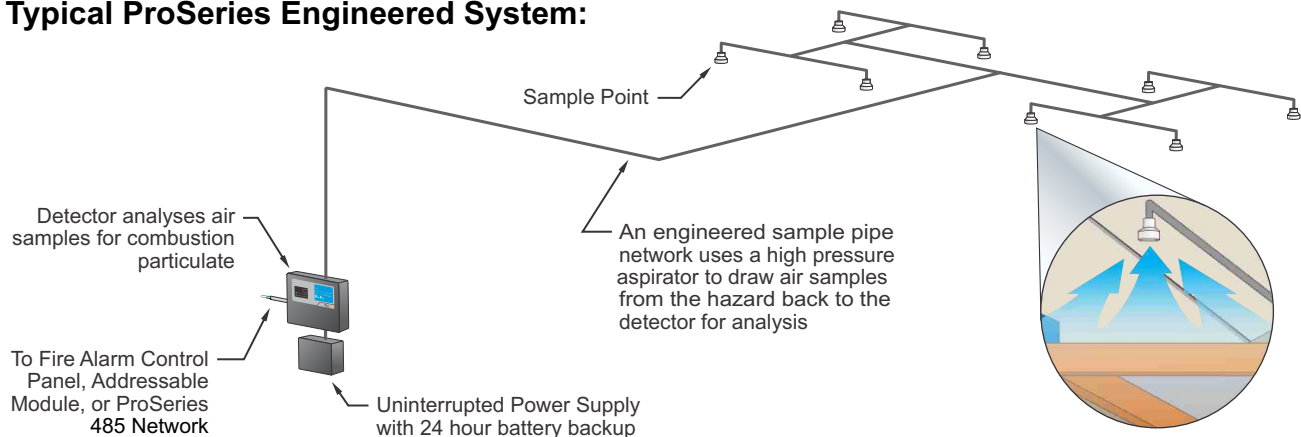


Other foreign airborne objects such as dirt, dust and pollutants are inherently too large and in too few quantity to be detected. These foreign objects do not affect the ability of the CCD to identify the much smaller combustion particles. This in turn eliminates false alarms associated with other detection methods which use other technologies.



For more information, please view the ProSeries technology video on our website, [www.safefiredetection.com](http://www.safefiredetection.com)

### Typical ProSeries Engineered System:





- Standard
- Enhanced
- High Pressure

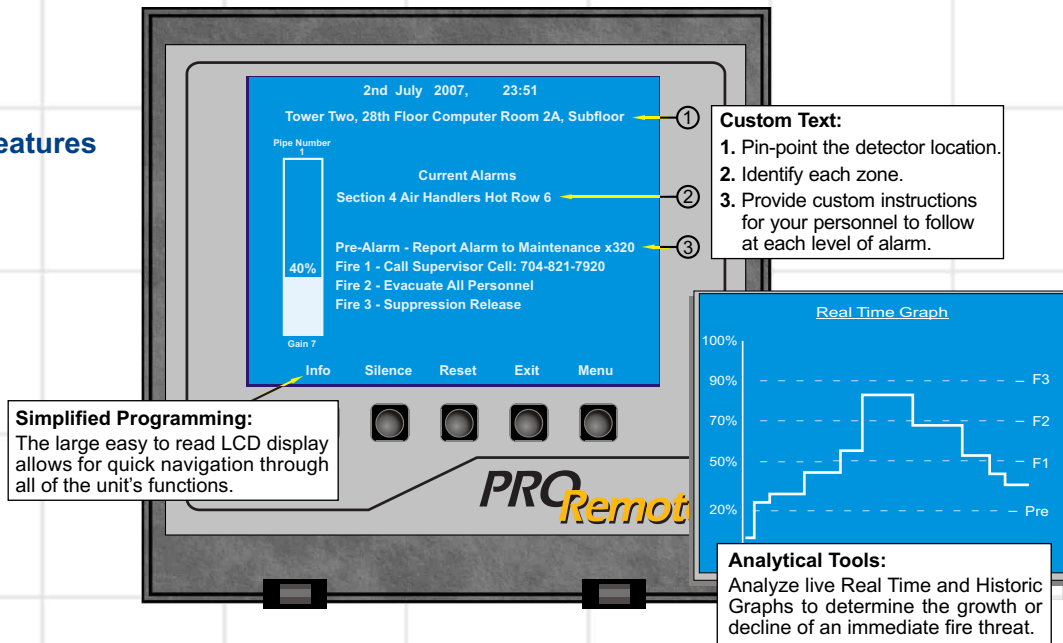
## LCD Display with Custom Text

### USER FRIENDLY DISPLAY

ProSeries detectors may now be equipped with the industry's largest and most versatile LCD display. This new multifunction display allows users to easily identify and respond to an early warning alarm in addition to receiving detailed instructions via the display.

#### LCD Display Features

- Program
- Display
- Troubleshoot
- Network



### REMOTE DISPLAY, PROGRAMMER AND NETWORK HUB

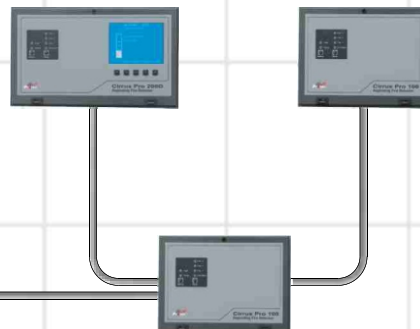
A Remote Display or any unit with a display on a detector network, now allows you too easily Program, View, Display Historic Graph and Event Logs, Troubleshoot, and provide Alarm Notification for any unit on the network. The multifunction LCD display features easy to navigate menus and customizable text for naming detectors, zones, alarm levels and even specific instructions for personnel to follow.

Remote Display



- Program Detectors
- View Historic Graph
- Real Time Graph
- Review Event Logs
- Troubleshoot Detectors
- Review Detector Statistics
- Alarm Notification
- Zone Identification
- Alarm Procedures

Detector Network



- Detector Network
- PC Network
- Internet Network



## Expanded Networking Abilities

# MULTIPLE DETECTOR NETWORKING OPTIONS

ProSeries detectors provide several networking options. From a simple RS485 Peer to Peer network between detectors using a detector LCD display or ProRemote as the network hub, to software driven networks using TCP/IP for access through any LAN, WAN, or internet connection.

## Peer to Peer Detector Networking

### Built-In RS485 Networking

Simply use a shielded Belden 9841 type cable to network the units together via the internal RS485 connections.

### Network Simplicity

Any unit with an LCD display, or a Remote Display, may be used to Program, View, Display Historic Graph and Event Logs, Troubleshoot, and provide Alarm Notification for any unit on the network.



### Remote Display

A Remote Display may be placed in areas which are populated after hours such as guard stations or office areas.



## Complimentary CirrusPro

### Networking Software for PC

Available at no cost, CirrusPro Networking Software will allow you to easily Program, View, Display Historic Graph and Event Logs, or Troubleshoot any detector on the network via a PC. Simply connect a PC running CirrusPro software to any detector on a Peer to Peer network.







- Peer to Peer
- RS232
- TCP/IP

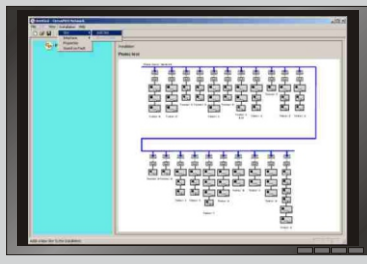
## Networking Solutions

# HLI NETWORKING SOFTWARE

**ProNet**

Remotely monitor a detector network using ProNet High Level Interface software via an internet, LAN, or WAN connection. Detailed graphic maps of an area are used to isolate alarms and display specific zone information. You may also Program, View Detector Status, Display Historic Graphs and Event Logs, as well as Troubleshoot any detector on the network.

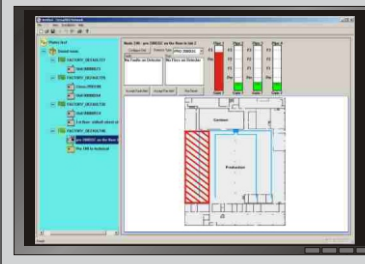
View entire detector network tree remotely via TCP/IP



View status of any detector on network in any hazard



Receive real time notification of any detector zone in alarm

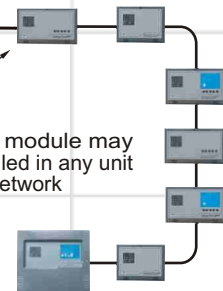


**ProNet** Realtime Remote Network Monitoring Software

TCP/IP Connection



TCP/IP module may be installed in any unit on the network



## ■ Integrated TCP/IP Networking

The ProSeries TCP/IP Interface Module works with ProNet software to access a detector network through any Internet, LAN, or WAN connection. This easy to install module is simply mounted inside a detector and is configured using the CirrusPro software. Any detector on the network, with or without a display, may act as the TCP/IP detector hub.

