

# The IP Fire Series™ Network Fire Controls

## Building Systems for the 21st Century

- IP Based Ethernet Communications
- Distributed Modules/Distributed Processing
- Integral USB Ports on Every Module
- Quarter VGA Graphical Interface
- Spanning Tree Protocol/Mesh Networking



## *IP for Life*

IP technology for Life-Safety? It's about time. Buildings come in many shapes and sizes but until now, fire alarm systems only came in one.

The **IP Fire Series™** network fire control system from As Built Engineered Systems utilizes breakthrough technologies to provide a distributed, redundant fire protection system that will forever change the way we look at building protection by providing independent control centers throughout a facility.

## *Distributable IP Ethernet Design*

IPF™ systems consist of a core set of distributable IP based modules that connect to an Ethernet backbone. The modules are intelligent so no central processing unit is required. Connect two modules together and the fire alarm system springs to life.

Distributed technology gives system designers the flexibility to 'fit' the fire alarm system to diverse building layouts by distributing the modules out to their point of use. This minimizes wiring requirements, distributes processing power and adds a level of survivability heretofore unknown to the life-safety industry.

Modules connected to the backbone are identified by a private IP address unique to each module. Communication between modules is more robust, reliable and secure than with any other communication methodology. Where permitted by the Authority Having Jurisdiction, IPF™ systems may also tie into existing Ethernet backbones to significantly reduce installation costs.

The reason for this is simple: we use the very same communication technologies that are used each and every day by more than 100 million worldwide users to safely and seamlessly conduct commerce, manage banking activities, buy and sell securities and more. We can't think of a more trusted, tested or reliable medium.

## *Reliable, Secure and Scalable*

IPF™ systems are highly scalable. Since SLC and NAC circuits reside on distributable modules they are self-contained and add no burden to the processing power of the remaining system. This, and other benefits to this technology, add untold value to a life-safety system. High-speed communication, guaranteed message delivery, ease of integration and redundant network paths - to name just a few.

Even modules separated from the system will continue to operate. Upon rejoining the system, a module will automatically synchronize its data with all other modules on the system. No human intervention is required. Most importantly, failure of any module is *isolated* and will *not impact* the performance of the remaining system modules. Communication loss – whether arising from a maintenance situation or as the result of an emergency condition – will not hamper the performance of the remaining system modules in any way.





## *Full Featured*

The IPF™ system is driven by Windows CE™ to minimize the OS footprint and to add enhanced performance features. We included support for Spanning Tree Protocol and Mesh networking to add integrity to redundant network paths. We added USB ports on every module for ease of back up and programming. USB ports upload or download to or from any standard USB Mass Storage Device.

The IPF™ system provides access to a powerful feature set that rivals any found on the most sophisticated fire controls: group/zone programming, walk-test or by-pass by device or group, programmable soft-keys, day/night sensitivity, drift compensation, NAC synchronization, coded signaling and much more. We even made it possible to deploy multiple common control relays in different locations for system redundancy and survivability.



## *Packaging*

AsBuilt™ offers a variety of distributable cabinets to accommodate any requirement. We can locate single or multiple modules, single or dual power supplies, blank cabinet doors for installation in electrical rooms or with remote displays that provide complete system access. We have the cabinets to deploy our system in a manner that best 'fits' the protected building - as built.



## *Detection*

IPF™ systems work with both the XP and Discovery detector lines. These are two advanced technologies with unique feature sets that can be intermingled on any IPF™ analog circuit. Nuances in detector performance features between the two lines allow system design engineers to best satisfy the specific detection requirements of the application. Both detector lines use the same detector bases and the same addressable loop devices to make interchangeability a snap.

Detectors feature five performance settings, drift-compensation, advanced transient protection and heat detectors that are field adjustable in 1° increments. Both XP and Discovery detectors use the patented XPert programming card to securely lock down the detector address in the detector base thereby eliminating location errors that can be brought about through improper system maintenance.



## *Contact*

AsBuilt™ distributes its products through factory trained Authorized distributors. For more information on the IP Fire Series™ network fire control, or to find the closest Authorized distributor, please write us at [Info@AsBuiltES.com](mailto:Info@AsBuiltES.com).

If you're interested in exploring distribution opportunities in your area please write us at [Sales@AsBuiltES.com](mailto:Sales@AsBuiltES.com). But don't wait too long - AsBuilt™ offers *fixed distribution territories* in markets throughout the US and in certain International markets so opportunities will be limited. Please visit us at [www.AsBuiltES.com](http://www.AsBuiltES.com).

The IP Fire Series™ is Listed to  
UL 864 Ninth Edition



**As Built Engineered Systems, Inc.**

1451 Concord Street Framingham, MA 01701 USA

Phone: 508 788-8333

Fax: 508 788-8334

Email: [Info@AsBuiltES.com](mailto:Info@AsBuiltES.com)

Web: [www.AsBuiltES.com](http://www.AsBuiltES.com)

© Copyright 2008 As Built Engineered Systems, Inc.