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New UL 864 & NFPA 72 2010 9th Edition Fire Alarm Control Panel (FACP)

AND

Cellular Communication Regulation Advancements



Legacy POTS Problems



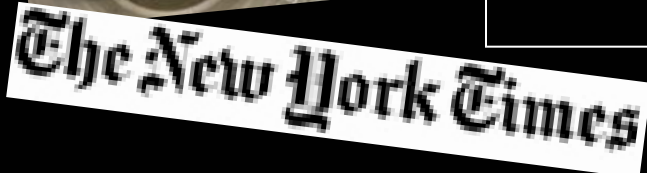
FCC's National Broadband Plan: POTS 'not sustainable' 300-page document says maintaining legacy equipment too costly, inefficient

End of the Digital Dialer?

POTS sunset on the horizon?

FCC issues notice seeking ways to phase out 'relics of a by-gone era'

**IMS Research Projects 20%
POTS Line Decrease**



Verizon Boss Hangs Up on Landline Phone Business

Wireless Alarm Transmission Gathers Steam With Demise of POTS

**The New Generation of Monitoring:
Don't Get Behind The Eight Ball**

Legacy POTS Problems



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- Some providers refuse to install analog lines for FACP monitoring in new commercial when fiber or T1 is installed
- FCC approved AT&T POTS sunset request
- POTS and VoIP Voice Compression
- POTS providers dramatically increase monthly costs of services they wish to discontinue to encourage more rapid change
- Phone line power surges cause false alarms
- Central Station failure to receive all signals

POTS Life Safety Problems



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“When we receive a signal from a fire panel that our receiver cannot properly interpret because of POTS voice compression, we have no choice but to process it as a possible fire alarm. These false alarms are a waste of Fire Department time and resources.”

*Jon Adams, Operations Center Manager
Atlas Security Service, Inc.*

UL Listing



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the standard in safety

Underwriters
Laboratories

Mr. Terry Shelton
Digital Monitoring Products Inc.
2500 N. Partnership Blvd.
Springfield, MO 65803
United States

Our Reference: File S3598 Project 10CA07953
Subject: NOTICE OF COMPLETION: Fire Slave Option for XR500 Panels

Dear Mr. Shelton:

Thank you for your referenced e-mail.

UL's investigation of your product has been completed under the above project number and the subject product was determined to comply with the applicable requirements.

Any information and documentation involving UL Mark services are provided on behalf of Underwriters Laboratories Inc. (UL) or any authorized licensee of UL.

If you have any questions or comments, please do not hesitate to contact the undersigned.

Very truly yours,

Reviewed by:

Seung Kang
Senior Project Engineer
3017CNBK
Tel: 1-847-864-2582
Fax: 1-847-313-2582
Seung.Kang@us.ul.com

Derek Mathews
Sr. Staff Engineer
3017CNBK

Underwriters Laboratories Inc.
333 Pfingsten Road, Northbrook, IL 60062-3038 USA
T: 847.272.1000 F: 847.272.1129 / 3121 ul.com

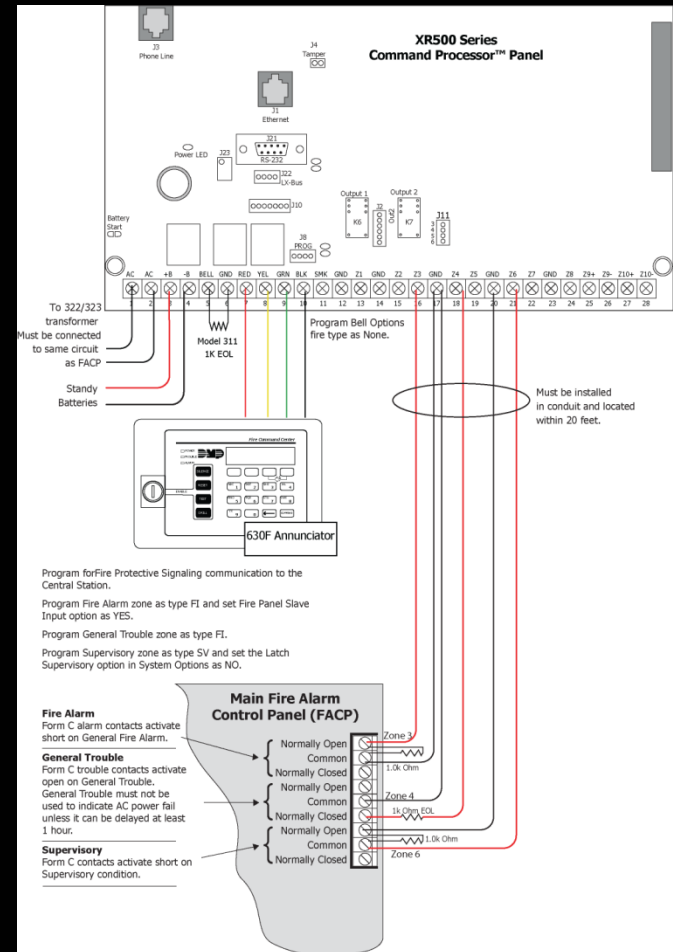
- UL 864 9th Edition
XR500 / 463G Slave
Communicator Listing

Compatibility



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XR500 / 463G Slave Communicator or Network Module compatible with any FACP





26.6.3.1.4.1

Single Communications Technology

Where only one communications technology is used, any failure of the communications path shall be annunciated at the supervising station within 5 minutes of the failure.

How It Works



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Primary Fire Cellular
Communications with no
back-up or no 3rd party
server – UL 864

Protected
Premises



GPRS (General Packet
Radio Service) (2G) Core
Networks



POTS – (Plain Old
Telephone Service)
Legacy Communications



GPRS
Network



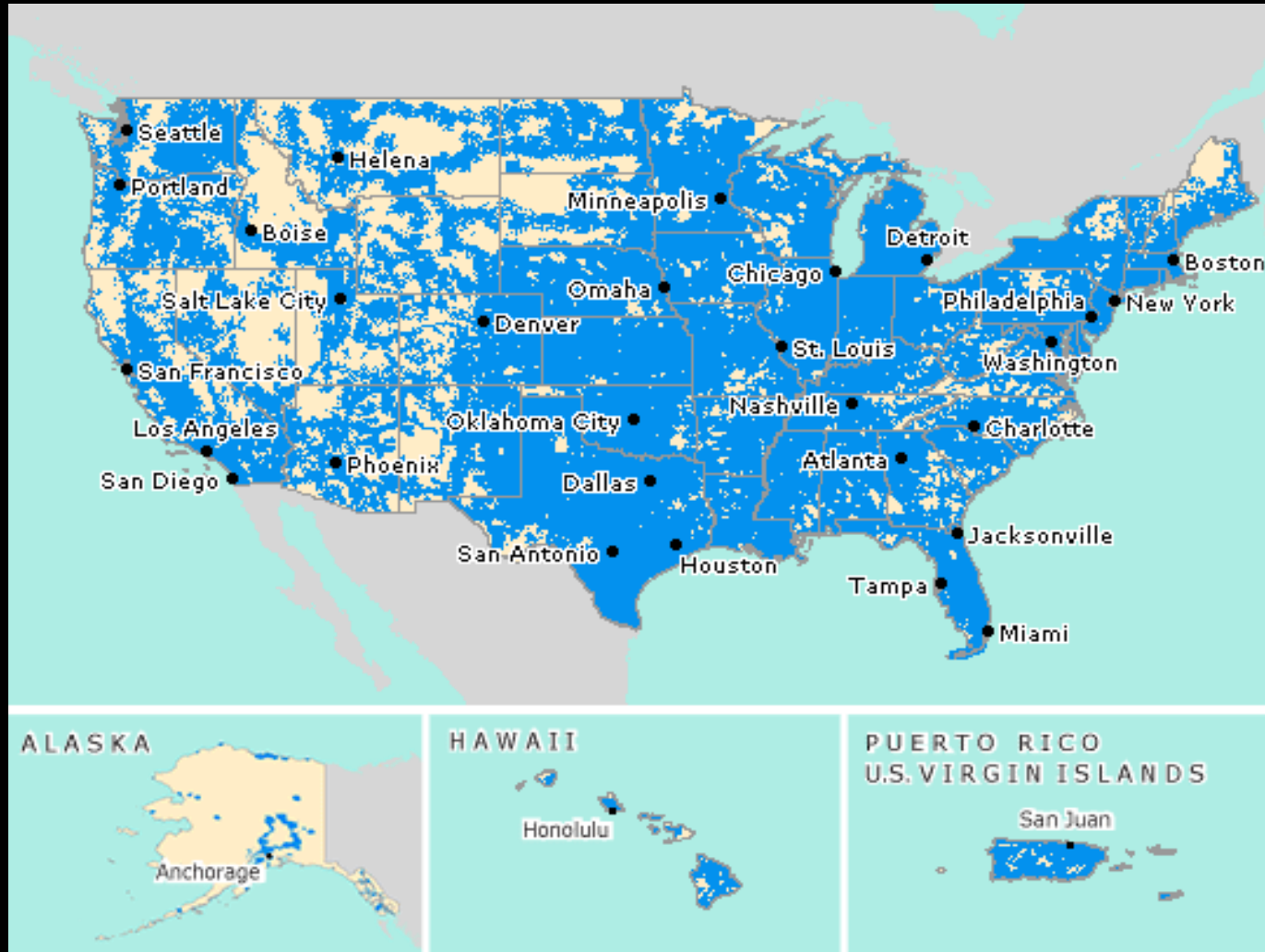
Central
Station



SecureCom Coverage Map



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The Product



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XR500NFC FACP w/463G Cellular



Product Versatility



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XR500FC



- Integrated Burglary, Fire and Access Control
- ANSI/UL 864 for Commercial and Residential Burglary and Fire
- Supports all DMP keypads and expansion devices
- May be expanded with Hardware or Wireless Options

Features & Benefits



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- Direct Communication to Central Station
 - Fast and direct, no middle point of failure
- GSM/GPRS
 - High availability & coverage area
- No additional box or hardware
 - Simpler to install, uses no additional wall space, saves time & money
- Uses System Battery
 - No additional battery to service/replace
- Local or remote SMA antenna
 - Flexibility at install allows for best reception onsite



Features & Benefits



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- Fully Modular
 - Adapts to future technologies
- Upload/Download Over Cell
 - Manage systems remotely, fully functional, not limited
- Low current draw
 - Uses half the current compared to similar product, requires less batteries
- Messaging Features
 - Remote control & messaging for building management or maintenance staff



XR500 - A League of its Own



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- Same DMP technology approved for “high security communication” in Banks, jewelry stores, Homeland Security and DoD locations
- NIST approved AES Encryption over CELL

Fire UL Listed

And

Burglary UL Listed



Complete Wireless Solution for ANSI/UL 864 Commercial Fire Systems



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Advantages of Wireless Fire Devices

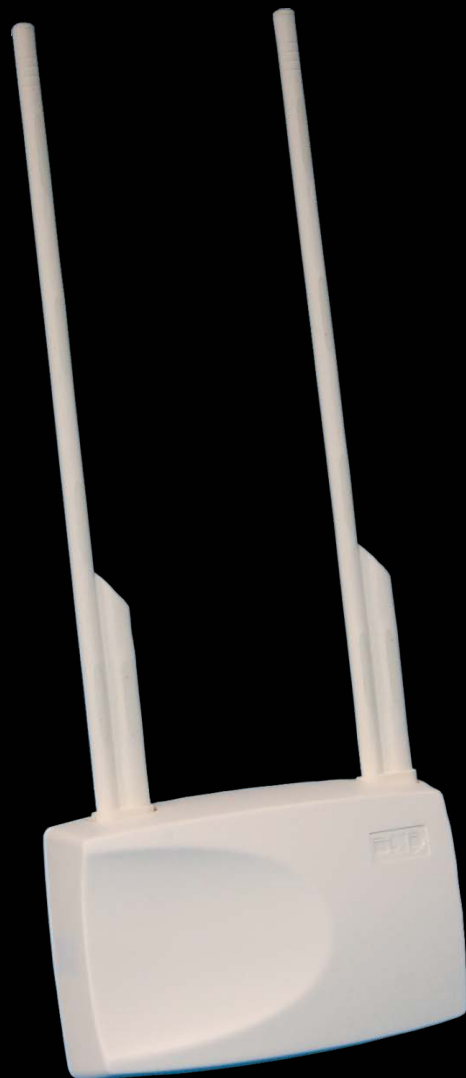
- Allows you to place each device where it belongs, not where you can fit a wire... for maximum security



Complete Wireless Solution for ANSI/UL 864 Commercial Fire Systems



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Receiver: Up to 1.7 miles line-of-sight range with up to 8 wireless repeaters

ANSI/UL 864 Listed for Control Units for Fire-Protective Signaling Systems

Complete Wireless Solution for ANSI/UL 864 Commercial Fire Systems



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ANSI/UL Listed for 864 Fire Protective Signaling Systems

Wireless 1103-W transmitter with supervisory resistor & 3-minute check-in



For fire pull stations

water flow sensors & valve tampers



ANSI/UL 346 Listed for Waterflow Indicators for Fire Protective Signaling Systems

Complete Wireless Solution for ANSI/UL 864 Commercial Fire Systems



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Smoke Detectors
Smoke/Heat Detectors

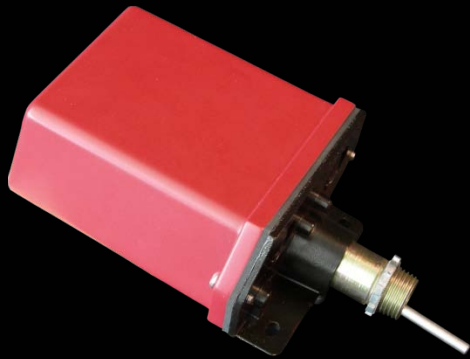
ANSI/UL 268 Listed for Smoke-
Automatic Fire Detectors



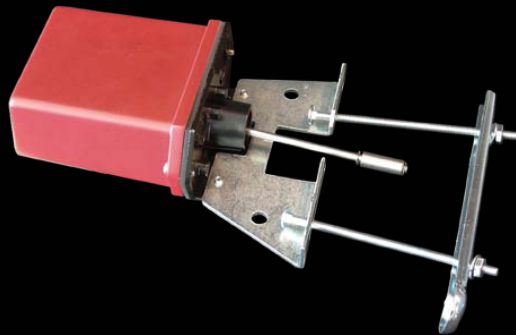
Complete Wireless Solution for ANSI/UL 864 Commercial Fire Systems



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PIV (Post Indicator Valve):
No more trenching



OS & Y (Outside Screw and Yoke)

2-Way Wireless, Internet & Cellular - Better Solutions



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- DMP FACP is fully modular and can be quickly updated to newer technologies inexpensively
- Better direct FACP signal transmissions from point A to point B with 5-minute check-ins instead of 24-hour daily tests
- The POTS average communication speed to the Central Station in the first attempted transmission is 20 seconds vs. Internet or GPRS speed of 7 ms

Network & Cellular Offer a Better Solution



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- Better Redundancy – Metropolitan areas have multiple cell tower coverage for reliable coverage
- Better Coverage – Commercial areas offer the more reliable Tier 2 Internet coverage – When was the last time your PSAP was down?



Our FACP saves money



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- 2-way wireless fire alarm devices can dramatically lower installation costs
- Less service calls & waiting for technicians
- Eliminating two POTS lines that can cost the end-user \$75 to \$125 per month
- Government, School Districts etc. can save tens-of-thousands of dollars annually



- Our NET or CELL system can be configured as:
 - Path 1 NET Primary (5-minute check-in) with no Backup
 - Path 1 CELL Primary (5-minute check-in) with no Backup
- UL 864 as a slave communicator compatible with more recent FACP's

Win- Win for the community and Fire Department



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- Reduced fire alarm false alarm responses due to communications malfunctions
- Quicker responses to real fire alarms
- Better life safety for citizens
- More reliable property protection
- Quicker diagnostics with less down time when FACP experiences trouble conditions



Questions & Answers



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STOP WATCHING
MONEY
GO UP IN
SMOKE

Thank You!

