Fire Alarm Systems

Life Safety Solutions for Commercial & Residential Properties

Flare Communications
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About Flare Communications

Flare Communications has provided professional fire alarm system installation, inspection, and monitoring services since 2000. Our licensed technicians design and install code-compliant fire alarm systems that protect lives and property throughout St. Louis, Metro East Illinois, and Central Illinois.

Our Fire Alarm Services

Fire Alarm System Design

Proper fire alarm design ensures complete coverage while meeting all applicable codes. We design systems that comply with NFPA 72, local fire codes, and insurance requirements. Our designs include device placement calculations, notification appliance coverage analysis, and integration with building systems.

Fire Alarm Installation

Our licensed electricians install fire alarm systems for new construction and existing buildings. We work with all major manufacturers and can design systems to meet any

budget or requirement. Every installation includes complete testing, documentation, and certificate of compliance.

System Types:

- Conventional fire alarm systems

- Addressable fire alarm systems

- Voice evacuation systems

- Mass notification systems

- Wireless fire alarm systems

Fire Alarm Inspection & Testing

Regular inspection and testing ensures your fire alarm system functions properly when needed. We provide annual, semi-annual, and quarterly inspection services that meet NFPA 72 requirements. Our inspections include device testing, battery testing, notification appliance testing, and complete documentation.

Fire Alarm Monitoring

$^{24}\!/_7$ central station monitoring provides immediate notification to fire departments when your system activates. We partner with UL-listed monitoring centers to provide reliable monitoring services with cellular and IP communication paths.

Fire Alarm Repair & Maintenance

When fire alarm systems malfunction, fast response is critical. We provide emergency repair services and preventive maintenance programs to keep your systems operating reliably. Our technicians carry common parts and can diagnose and repair most issues on the first visit.

System Upgrades & Retrofits

Older fire alarm systems may no longer meet current codes or may be difficult to maintain. We can upgrade existing systems with modern addressable technology, replace obsolete equipment, or design complete system replacements that improve reliability while reducing long-term costs.

Service Pricing Guide

Fire Alarm System Installation

Building Type	System Size	Price Range
Small office (under 5,000 sq ft)	5-10 devices	$3,500–$6,000
Medium office (5,000-15,000 sq ft)	10-25 devices	$6,000–$15,000
Large office (15,000-50,000 sq ft)	25-75 devices	$15,000–$45,000
Retail store	15-40 devices	$8,000–$25,000
Restaurant	10-30 devices	$5,000–$18,000
Warehouse	20-100 devices	$12,000–$60,000
Multi-family (per unit)	3-5 devices	$800–$1,500

Fire Alarm Equipment

Device Type	Price Range
Fire alarm control panel (addressable)	$1,200–$3,500
Smoke detector (addressable)	$150–$250
Heat detector (addressable)	$120–$200
Pull station	$80–$150
Horn/strobe (wall mount)	$100–$180
Speaker/strobe (voice evacuation)	$150–$250
Duct smoke detector	$400–$700

Inspection & Monitoring Services

Service	Price
Annual fire alarm inspection	250—800
Semi-annual inspection	400—1,200/year
Quarterly inspection	800—2,400/year
Central station monitoring	35—75/month
Emergency repair service call	150—250 + parts

Note: Prices vary based on system complexity, building size, and local requirements. Contact us for a detailed quote.

Case Studies

Case Study 1: Office Building Fire Alarm Upgrade

Client: Three-story office building, Clayton, MO
Challenge: 30-year-old conventional fire alarm system with frequent false alarms and obsolete parts

Solution:

- Designed new addressable fire alarm system with 45 devices
- Installed Notifier NFS2-640 control panel
- Replaced all smoke detectors with addressable intelligent devices
- Added voice evacuation capability for clearer emergency communication
- Integrated with building HVAC for smoke control
- Provided complete testing and documentation

Results:

- Eliminated false alarms through intelligent smoke detection
- Reduced annual maintenance costs by 60%

- Improved occupant safety with voice evacuation
- Achieved full code compliance for insurance requirements
- System pinpoints exact location of activated devices

Investment: $38,500 (equipment and installation)

Case Study 2: Restaurant Fire Alarm System

Client: Full-service restaurant, Edwardsville, IL
Challenge: New construction requiring complete fire alarm system

Solution:

- Designed system meeting Illinois fire code requirements
- Installed 18-device addressable system
- Included kitchen heat detectors rated for high temperatures
- Added duct smoke detectors in HVAC system
- Configured system for automatic sprinkler monitoring
- Provided central station monitoring with cellular backup

Results:

- Passed final inspection on first attempt
- Kitchen heat detectors prevent false alarms from cooking
- Automatic sprinkler integration meets code requirements
- $24/7$ monitoring provides immediate fire department notification
- System expandable for future building additions

Investment: $12,800 (equipment, installation, and first year monitoring)

Case Study 3: Apartment Complex Fire Alarm

Client: 24-unit apartment building, Ballwin, MO
Challenge: Required fire alarm system upgrade for insurance renewal

Solution:

- Installed common area addressable fire alarm system

- Added smoke detectors in hallways, stairwells, and common areas

- Installed horn/strobes meeting ADA requirements

- Provided individual apartment smoke alarms (battery backup)

- Configured system for central station monitoring

- Documented system for insurance and code compliance

Results:

- Met all fire code requirements for multi-family occupancy

- Insurance company approved renewal with reduced premiums

- Tenants protected with reliable life safety system

- Property manager receives immediate alarm notifications

- System includes 10-year warranty on all equipment

Investment: $28,500 (equipment and installation)

Fire Alarm Code Compliance

Fire alarm systems must comply with multiple codes and standards:

NFPA 72: National Fire Alarm and Signaling Code - Defines installation, testing, and maintenance requirements

Local Fire Codes: St. Louis City, St. Louis County, and Illinois municipalities have specific requirements

Building Codes: IBC and local building codes specify where fire alarm systems are required

ADA Requirements: Notification appliances must meet accessibility standards for hearing-impaired occupants

Insurance Requirements: Many insurance policies require specific fire alarm capabilities

Our team stays current with all applicable codes and works with local fire marshals to ensure your system meets all requirements.

Fire Alarm System Components

Control Panels

The fire alarm control panel is the system brain. Addressable panels provide detailed information about each device, simplifying troubleshooting and reducing false alarms. We install panels from leading manufacturers including Notifier, Fire-Lite, and Honeywell.

Smoke Detectors

Modern addressable smoke detectors use intelligent algorithms to distinguish real fires from nuisance sources. We install photoelectric and ionization detectors appropriate for each location, with proper spacing calculations to ensure complete coverage.

Heat Detectors

Heat detectors activate based on temperature, making them ideal for kitchens, garages, and other areas where smoke detectors would cause false alarms. We install fixed-temperature and rate-of-rise heat detectors as appropriate.

Manual Pull Stations

Pull stations allow building occupants to manually activate the fire alarm. Code requires pull stations at building exits and throughout buildings based on travel distance requirements.

Notification Appliances

Horn/strobes and speaker/strobes alert occupants to evacuate. We design notification appliance layouts that meet sound level and candela requirements throughout the building, including ADA-compliant visual notification.

Monitoring & Communication

Fire alarm systems must communicate with monitoring centers. We install cellular and IP communicators that provide reliable paths to central stations, with automatic backup if the primary path fails.

Why Choose Flare Communications?

Licensed Electricians: Our technicians hold proper electrical licenses required for fire alarm work.

Code Expertise: We stay current with NFPA 72, local fire codes, and ADA requirements.

Quality Equipment: We install reliable systems from leading manufacturers.

Complete Documentation: Every installation includes as-built drawings and test reports.

Fast Service: Local presence means quick response for inspections and repairs.

24/7 Monitoring: Partnership with UL-listed central stations for reliable monitoring.

Service Areas

St. Louis Metro: Ballwin, Chesterfield, Clayton, Creve Coeur, Des Peres, Kirkwood, Ladue, Manchester, Maryland Heights, Olivette, Richmond Heights, St. Louis City, Town and Country, University City, Webster Groves, Wildwood

Metro East Illinois: Belleville, Collinsville, Edwardsville, O'Fallon, Fairview Heights, Swansea, Glen Carbon, Granite City, Alton, Godfrey, Wood River, Highland, Troy, Maryville, Caseyville, Shiloh

Central Illinois: Springfield, Decatur, Champaign, Urbana, Bloomington, Normal, Peoria, Quincy

Get Started Today

Schedule a Free Fire Alarm Consultation

Contact Flare Communications to discuss your fire alarm needs. We'll evaluate your building, review code requirements, and provide a detailed proposal for a system that protects lives and property.

Phone: (636) 391-7530
Email: info@flarecomm.com
Website: flarecomm.com

Business Hours:
Monday - Friday: 8:00 AM - 5:00 PM
$^{24}/_7$ Emergency Service Available

Professional Network Infrastructure, Electrical Services & Fire Alarm Systems since 2000