Life safety solutions

PROTECTING EVERY SINGLE ASSET

Johnson
Controls

Tailored to your specific needs

Johnson Controls has been in the building controls and facility management business for more than 100 years. Building owners trust Johnson Controls to protect their important investments because we know more about building operations than any other company. We recognize the critical role of the life-safety system in your business and its contribution to your continuing operations. And, we understand that uncompromised protection of your employees, customers, and other building occupants is vital. Johnson Controls is committed to protecting people and property, and we set the industry standard for quality, responsiveness and reliability in life-safety systems. As a result, you'll find our life-safety solutions at work in facilities around the world.

Johnson Controls life-safety solutions range from stand-alone panels to networked systems integrated with your building management systems. We incorporate the latest technologies such as centralized control, interactive video, identity credentialing and video-based detection for an added level of protection, compliance with government standards, and to assist first responders. Whether you need systems for a single-story building or a multi-building campus, we can tailor a solution to fit your needs.

Life-safety for the lifecycle of your building

Johnson Controls goal is to provide integrated building systems technologies that deliver value greater than the sum of the individual parts. When your life-safety system works in cooperation with other building systems, you minimize risk and maximize building efficiency and productivity. Best of all, with Johnson Controls, you can add to or update your life-safety system any time throughout your building's lifecycle.

Construction phase: This is the ideal time to integrate a Johnson Controls life-safety system with other building technologies. We know how important it is that your life-safety system is ready when you need it, and we work to meet or improve project schedules and budgets.

Building Expansion/Retrofit: Minimize cost and optimize your system's performance. Our expert knowledge of different systems means you'll get the best technology available to work with your system.

Building lifetime: Throughout the lifecycle of your investment, we offer the widest range of service and support capabilities, including:
· Trained and responsive service personnel
· Routine, preventive and predictive maintenance
· Test and inspection programs
· Hardware and software upgrades
· Operator training
· Spare parts
· UL-listed central monitoring

Intelligent fire control panels for life

Instead of reporting alarms by general location or zones, Johnson Controls Intelligent Fire Controllers (IFC) can zero in on each device and identify its specific location and status, saving time and confusion in an emergency. As your business needs change, the modular design of our controllers lets you network additional panels or add new devices as your facility grows. This flexibility means substantial cost savings in your investment.

Best of all, you can integrate IFC systems into Johnson Controls Metasys® building management system. The result is a single network that seamlessly integrates your life-safety and building controls systems, providing greater visibility and control over the performance of your building.

Choose from a broad range of IFC panels that can be tailored to your needs. Johnson Controls offers intelligent addressable systems ranging from small single panel systems to complete, networkable solutions for large-scale applications.

Superior performance on a smaller scale

The IFC-320 is designed to bring sophistication and superior performance to smaller applications. Auto-programming features allow fire protection to be established in seconds. Additional programming is quick and easy and patented technology makes the IFC-320 exceed worldwide code requirements for response time.

Flexibility to suit your needs

The IFC2-640 is designed with modularity and ease of systems planning in mind. Whether your facility simply requires a stand-alone or medium-to-large system or a large integrated network, the IFC2-640 is flexible enough to suit most applications.

Capacity and performance

The IFC2-3030 adapts to your building's changing needs. Add just a few options for medium-sized buildings, or network several panels for larger applications. Take advantage of the latest in hardware, software and networking technologies to meet a wide range of project specifications.

IFC-320 System

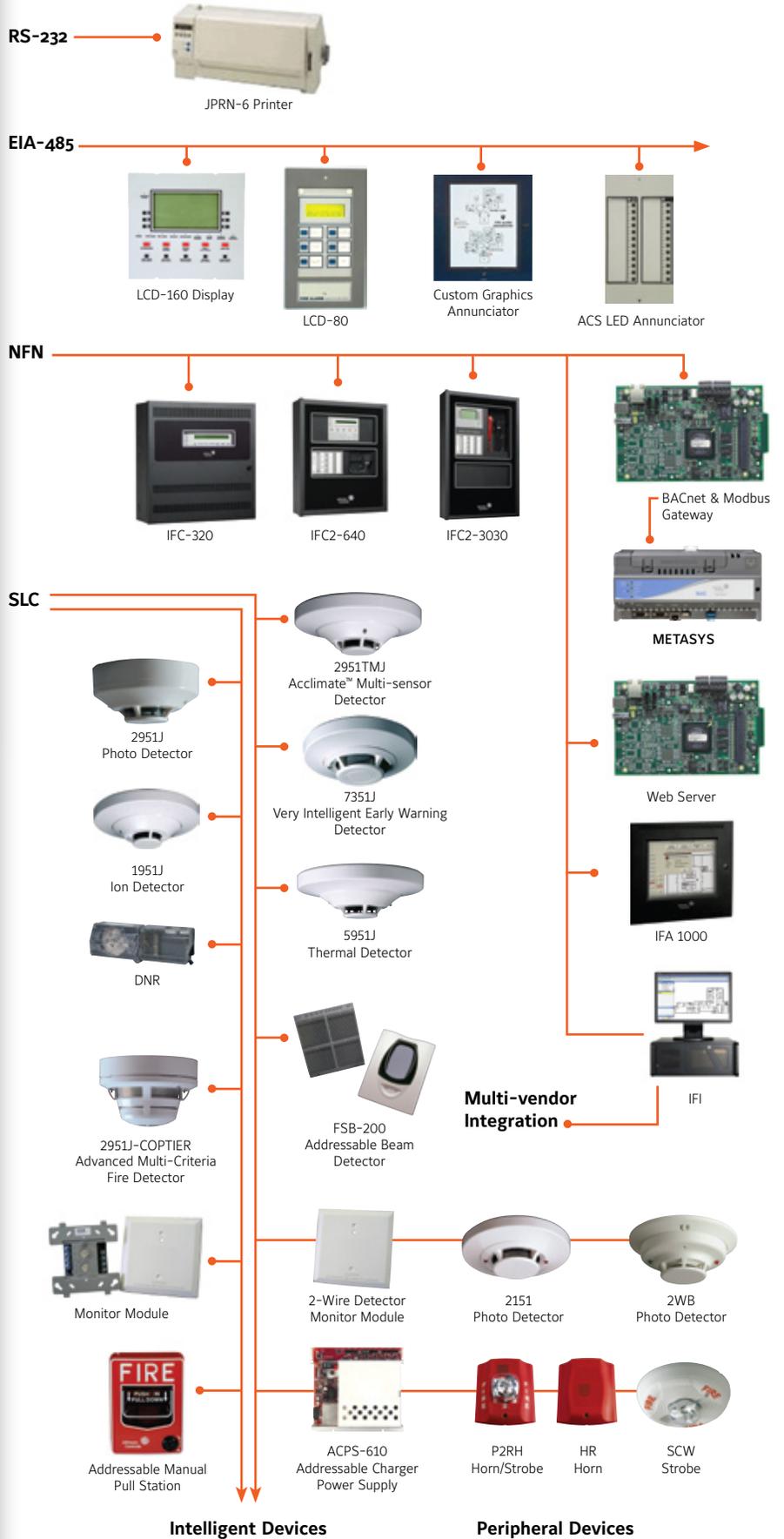**RS-232**
EIA-485
SLC
NFN

IFC2-640 System

RS-232
EIA-485
SLC
NFN

IFC2-3030 System

RS-232
EIA-485
SLC
NFN

RS-232

JPRN-6 Printer

EIA-485

LCD-160 Display

LCD-80

Custom Graphics Annunciator

ACS LED Annunciator

NFN

IFC-320

IFC2-640

IFC2-3030

BACnet & Modbus Gateway

METASYS

Web Server

IFA 1000

IFI

Multi-vendor Integration

SLC

2951TMJ Acclimate™ Multi-sensor Detector

2951J Photo Detector

7351J Very Intelligent Early Warning Detector

1951J Ion Detector

5951J Thermal Detector

DNR

2951J-COPTIER Advanced Multi-Criteria Fire Detector

FSB-200 Addressable Beam Detector

Monitor Module

2-Wire Detector Monitor Module

2151 Photo Detector

2WB Photo Detector

Addressable Manual Pull Station

ACPS-610 Addressable Charger Power Supply

P2RH Horn/Strobe

HR Horn

SCW Strobe

Intelligent Devices

Peripheral Devices

Intelligent fire control panel capabilities

General

- Multiple annunciation options provide the type of information and control you need
- FlashScan® fully digital, high-precision protocol, intelligent detectors improve fire protection and reduce maintenance costs
- Network compatible with existing IFC panel installations
- Autoprogram feature provides immediate fire protection in new installations
- Multiple programming options make on-site or off-site programming and editing fast and easy
- Network option supports IFC-320, IFC-640, IFC2-640, IFC-1010, IFC-2020, IFC-3030, IFC2-3030, JNCA-2 Network Annunciator, and Intelligent Fire Workstation using wire or fiber
- Seamless integration to the Metasys® building management system and others using industry standard BACnet™ and Modbus protocols
- Flash memory eliminates need to change EPROMs
- Built-in Degraded Mode capable of general alarms even if CPU fails
- Automatic detector test
- Detector maintenance alert
- Johnson Controls Web Server (JWS-3): Optional web-based device that acts as an HTML server that allows remote access to the IFC Network via the Internet or an Intranet. User can view the history of a fire alarm control panel (FACP), event status, device properties, and other information based on pre-defined access permissions. All data available is a "snapshot" of the data on the IFC Network at the time the browser requested the information.
- UL 864 9th edition listed

IFC-320

- Supports up to 318 intelligent, addressable devices
- Supports one Signaling Line Circuit (SLC) with up to 159 detectors and 159 modules per loop
- Releasing features: 10 independent hazards, sophisticated cross zone, delay timer and discharge timers, abort (four options), low-pressure CO_2 listed
- 800-event capacity in non-volatile memory, plus 200-event alarm-only file
- Powerful Boolean logic equations

IFC2-640

- Supports up to 636 intelligent, addressable devices
- Supports one to two Signaling Line Circuits (SLC) with up to 159 detectors and 159 modules per loop
- Voice and telephone features available via networked DVC: Eight channels of high quality, digital audio used for emergency paging and simultaneous broadcasting of multiple messages; standard or customizable audio files; five channels of firefighter telephone; 50- or 75-watt amplifiers with four outputs per amplifier
- Releasing features: 10 independent hazards, sophisticated cross zone, delay timer and discharge timers, abort (four options), low-pressure CO_2 listed
- 800-event capacity in non-volatile memory, plus 200-event alarm-only file
- Powerful Boolean logic equations

IFC2-3030

- Supports up to 3,180 intelligent, addressable devices
- Supports one to ten Signaling Line Circuits (SLC) with up to 159 detectors and 159 modules per loop
- Standard 640 character LCD
- Voice and telephone features: Eight channels of high quality, digital audio used for emergency paging and simultaneous broadcasting of multiple messages; standard or customizable audio files; five channels of firefighter telephone; 50- or 75-watt amplifiers with four outputs per amplifier
- Releasing features: 10 independent hazards, sophisticated cross-zone, delay timer and discharge timers, abort (four options)
- 4000-event capacity in non-volatile memory, plus 1000-event alarm-only file
- Advanced history filters allow sorting by event, time, date or address
- 1000 powerful Boolean logic equations

Intelligent fire system solutions

IFI – Intelligent Fire Integrator

The IFI is a single point of control for your fire and life safety systems. This integrated facilities monitoring network links your IFC series fire alarm system to other 3rd party systems. From a single workstation, your facility manager can view and manage diverse systems from different manufacturers using an intuitive graphical user interface.

IFA 1000 – Intelligent Fire Annunciator

The IFA 1000 is an interactive video display system that allows firefighters and other emergency responders to quickly and accurately access potentially lifesaving information from a building lobby. The information is accessed via a wall-mounted touch-screen that displays the entire floor plan with the location of active alarm system devices, potential hazards, additional access and egress routes, as well as standpipe, stairway, and emergency shut-off locations.

IFV 1000 – Intelligent Fire Video

The IFV 1000 is a digital video analytics system that can use your existing CCTV infrastructure. This standalone, secondary monitoring system can detect and verify fires in your facilities earlier than conventional fire control systems. It's ideal for any enterprise that has critical assets, large spaces, or remote sites where early fire and smoke detection are critical.

JWS-3 – Web Server

The JWS-3 is an optional web-based device that acts as an HTML server, which allows remote access to the IFC Network via the Internet or an Intranet. The user can view the history of a fire alarm control panel, event status, device properties, and other information based on pre-defined access permissions. All data available is a "snap-shot" of the data on the IFC Network at the time the browser requested the information.

DVC – Digital Voice Command

The DVC is a multi-channel digital audio evacuation, paging and firefighter's telephone system designed for use with the IFC2-3030 fire control panel. The system can simultaneously broadcast multiple, distinct messages throughout your facility or in selected areas to ensure the right people have the right information during an emergency. The DVC delivers eight channels of quality digital audio for live paging, and up to five channels of firefighter's telephone operation for communication between emergency responders. (The DVC is shown at left with IFC2-3030)

Advanced technologies for increased protection

ExitPoint™ Directional Sounder

**The Audible Exit Sign
with Voice Messaging**

· Uses voice messages and
  broadband noise to pinpoint
  perimeter building exits,
  guiding building occupants
  quickly along escape routes.
· Language independent
· Ideal for people in unfamiliar surroundings or with
  poor visibility
· Works in open areas, corridors or stairs
· Reduces evacuation times by as much as 75 percent
· Triggered by existing fire systems
· Five field-selectable power settings
· Four field-selectable routing evacuation patterns
· Low profile, compact design
· Listed to UL 464, ULC, FM, MEA and CSFM

SpectrAlert® Advance

**Selectable-output speakers,
horns, strobes, and horn/strobes**

· Plug-in design; bases
  wire separately
· Universal mounting mounting
  plate for wall and ceiling units
· Field-selectable candela settings on wall and
  ceiling units:
  – Standard: 15, 15/75, 30, 75, 95, 110, 115
  – High: 135, 150, 177, 185
· Rotary switch simplifies field selection of speaker
  voltage and power settings
· Electrically compatible with existing
  SpectrAlert products
· Captive mounting screw
· Tamper resistance capability
· Automatic selection of 12- or 24-volt operation
  at 15 and 15/75 candela
· Outdoor wall and ceiling products rated
  from −40° to 151°F
· Shorting spring on mounting plate for continuity
  check before installation

2951MJ Acclimate™ Multi-Sensor

Low-Profile Intelligent Detector

The 2951MJ Acclimate™
detector uses a combination
of photoelectric and thermal
sensing technologies that are
designed to increase immunity to false alarms.
A microprocessor in the detector head processes
alarm data and adjusts the detector's sensitivity
to the environment automatically, without needing
operator intervention or control panel programming.
The Acclimate detector is especially useful anywhere
the use of a particular area may change.

7351J Very Intelligent Early Warning (VIEW®)

Laser Smoke Detector

The 7351J VIEW® laser detector
provides a revolutionary
advance in early warning
smoke detection technology.
Its unique design, combined with intelligent
sensing algorithms of the IFC series panels, allows
smoke detection that is up to 50 times higher than
photoelectric technology. Even set at extremely high
sensitivity, the 7351J can reject false signals caused
by dust, lint and small insects. Its performance is
comparable to present aspiration technology, at a
substantially lower installed cost.

2951J-COPTIR – Area Smoke Detector

Multi-Criteria Fire Detector

Advanced Multi-Criteria Fire
Detector combines four detection
methods, (Photoelectric, Carbon
monoxide, Infrared and Heat) and
then uses advanced algorithms
to adjust itself and respond to changing environmental
conditions. It senses fire in all environments and
provides the best immunity to nuisance alarm threats.
The Advanced Multi-Criteria Fire Detector is accurate,
precise and ideal when it's imperative to know when a
fire is a fire.

Intelligent fire control panels at a glance

	IFC-320	IFC2-640	IFC2-3030
SLC Protocol Capability			
Maximum number of SLCs	1	2	10
CLIP Capable	Yes	Yes	Yes
FlashScan™ Capable	Yes	Yes	Yes
SLC Autoprogram	Yes	Yes	Yes
Metasys Networking Compatibility			
NFN Compatible	Yes	Yes	Yes
Audio Capability			
Standalone Digital Audio Capable	No	Yes	Yes
Networked Digital Audio Capable	Yes	Yes	Yes
Programming Options			
Software Zones	99	99	1000
Logic Zones	20	20	1000
Releasing Zones	10	10	10
Main Power Supply Battery Capacity	18-200AH	18-200AH	18-200AH
Display Options			
80 Character	Yes	Yes	No
640 Character	No	Yes	Yes
Displayless	No	Yes	Yes
Remote LCD Annunciator	80 character	80 character	640 character

For more information visit www.johnsoncontrols.com/security

Johnson Controls