SWIFT™

Smart Wireless Integrated Fire Technology



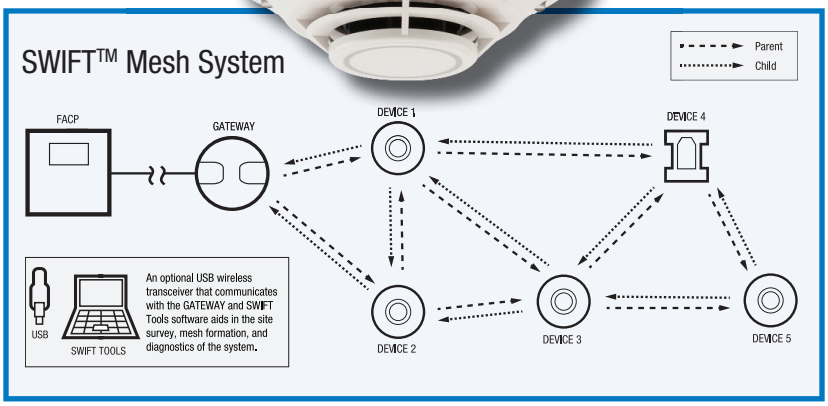
Frequently Asked Questions

What is SWIFT?

SWIFT stands for: Smart Wireless Integrated Fire Technology. It is a Class A, commercial wireless system using a robust mesh network that integrates with existing ONYX® intelligent fire systems.

Why would I use SWIFT?

SWIFT sensors detect fire, just like their wired counterparts, while providing installation flexibility in a wireless format. SWIFT devices provide an opportunity for applications where it is costly (concrete walls/ceilings, buried wires), obtrusive (surface mount conduit), or possibly dangerous (asbestos) to use traditional wired devices.



A SWIFT wireless system can use any combination of monitor modules, smoke and/or heat detectors.In addition, both wired and wireless devices are present on the same FACP providing an integrated wired-wireless solution for increased installation potential.

How robust is the SWIFT system?

- The mesh network within the SWIFT system creates a child-parent relationship between the devices, so that each device has two parents providing a second path for communications on every device. If one device can no longer operate for any reason, then the rest of the devices can still directly communicate with each other or through one or more intermediate devices.
- SWIFT devices act as repeaters (unlike point to point systems) offering the freedom to extend the mesh when needed and providing inherent back-up against system disruption.
- The SWIFT system uses frequency hopping to prevent system interference, whether intentional or accidental.
- The devices comply with part 15 of the FCC rules, meaning that operation is subject to the following two conditions:
  1. The device may not cause harmful interference
  2. The device must accept any interference received, including interference that may cause undesired operation.
- Devices comply with UL268 and UL864 standards, including 200 second polling and system response of devices within 10 seconds.

What type of security does SWIFT have?

The SWIFT system uses an encryption key. Each message is encrypted to prevent miscommunication with other devices. As part of the set-up process, devices are assigned a “profile” which limits communication to a designated gateway.

What is needed for a system?

The SWIFT system is designed to work with current ONYX® fire alarm control panels, a wireless gateway (FWSG), and the wireless devices (detectors and module). The W-USB wireless transmitter dongle is an optional component that may be used with a PC and the SWIFT TOOLS programming and diagnostic utility as a valuable aid for analyzing site survey information, forming a robust mesh network, or performing system diagnostics.

Which panels does this work with?

NFS-320, NFS2-640 and NFS2-3030 panels

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How many devices per gateway?

A system can have up to 49 devices per gateway; in any combination of detectors and modules. However, each device uses one address on the panel, so address capacity cannot exceed the panel limits. In addition, the gateway also uses 1 address.

How many gateways in a system?

Up to 4 gateways can be within range of each other.

What devices are available?

The initial launch includes a photo, Acclimate®, standard heat, rate-of-rise heat, and monitor module. A 6-in base is sold separately.

How are devices spaced?

Device spacing follows NFPA guidelines for the application. If signal strength is low, then an additional module or detector can be installed that will act as a repeater. Modules may be preferred for use as repeaters, since detector locations must conform to requirements.

What kind of batteries does a device use? How many?

The devices are listed to use either 4 Panasonic CR123A or 4 Duracell DL123A.

What is the battery life?

Battery life is currently listed at 2 years.

Will I know if the batteries are low?

Low battery levels on the wireless devices are displayed as a trouble on the panel. When the message “TROUBLE BATTERY LOW” is displayed, replace the battery in the device. This message is an indication that at least one week of battery life remains.

What frequency does the system operate on?

902-928 MHz

Will this work outside of the United States?

International usage depends upon agency requirements and the permitted ISM band frequency range. Check with your local NOTIFIER representative for acceptance in a specific country.

What agency listings?

UL, FM, CSFM, FDNY

How do I know if it will work in my building?

The SWIFT system offers a Site Survey step, which allows an Installer to preview a site for wireless viability before they ever purchase a system using just a few devices that can be re-used from site to site. Site Surveys can be performed with two or more SWIFT detectors or modules.

What are the steps to install a system?

The SWIFT system has two methods for installation:
a quick install using magnets and LED indicators or a more detailed site installation using SWIFT Tools with the W-USB and a laptop.

The basic steps include:

- Set a unique profile in each device for the system
- Insert all 4 batteries
- Install the devices in their locations
- Initiate mesh network formation

How far can a device be from the gateway?

In a typical environment the first device can be approximately 50 feet. Factors such as intervening walls, barriers, or stock must be accounted for, so performing a site survey before installation is recommended. Since devices operate within a mesh network, remote devices communicate with the gateway through multiple links within the network of devices.

How much will a SWIFT device cost?

About 3-4 times as much as a comparable wired device. However, the installed cost may be lower in many applications since there is no need for wiring, especially in a difficult area.

Visit http://www.notifier.com/swift for the latest updates and to learn more!

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