Fire-Lite Alarms’ SWIFT® wireless detectors are intelligent (addressable) detectors which provide secure, reliable communication to the Fire Alarm Control Panel (FACP) across a Class A mesh network. Wireless detectors create 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. In addition, both wired and wireless devices can be present on the same FACP providing an integrated wired-wireless solution for increased installation potential.

The SWIFT detection line includes a photoelectric, photo/thermal, standard fixed heat, and rate-of-rise heat detectors. The photoelectric detectors transmit a digital representation of smoke density through a wireless mesh to a gateway and on to a FACP. The photo/thermal detectors combine a photoelectric chamber and a 135°F fixed temperature heat detector. The fixed heat detector and rate-of-rise detectors utilize sensors designed for open area protection with 50 foot spacing capability as approved by UL 521.

All sensors offer addressable code wheels and two LEDs. The LEDs are controlled by the panels. Operation modes include red, green, and amber colors with various solid or blink patterns.

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, the rest of the devices can still communicate with each other, directly or through one or more intermediate devices.

The SWIFT system also engages frequency hopping to prevent system interference whether intentional or accidental.

The devices communicate across the mesh network through a gateway to the FACP. The FACP views the SWIFT wireless device and another addressable device on the system providing similar detection functions and outputs as a wired counterpart. In addition, both wired and wireless devices can be present on the same FACP to meet the needs of a given application. A SWIFT wireless system can use any combination of modules, smoke and heat detectors, pullstations, and A/V bases.

**Features**

- Wireless installation
- Class A mesh network
- Addressable code wheels
- Commercial applications
- UL 268 listed
- Frequency hopping
- Bi-directional communications

**Compatible Control Panels**

- ES-50X
- ES-200X
- MS-9200UDLS
- MS-9600(UD)LS

**Specifications**

**PHYSICAL / OPERATING SPECIFICATIONS**

- **Height:** 2.4 inches (61 mm) installed in B501W base
- **Diameter:** 4.0 inches (102 mm) installed in B501W base
Standards and Codes
The SWIFT Wireless Intelligent Detectors comply with the following UL Standards and with NFPA 72 Fire Alarm System requirements.
UL 864
UL 268

SWIFT Devices and Ordering Information

- **W-SD355**: Intelligent, wireless photo detector. Ships with B501W base included. Requires (4) CR-123A batteries (included).
- **W-GATE**: Fire-Lite Wireless SWIFT Gateway - 1 SWIFT Gateway is required for each wireless mesh, and supports up to 48 SWIFT detectors or modules, and one display driver, if required. Connects to the SLC loop of a compatible panel using LiteSpeed™ protocol. Power may be supplied by the SLC circuit or via an optional 24VDC input.

NOTE: Use of the 24VDC input may be more convenient for service as it allows for powering down a gateway without shutting down an SLC loop.

- **W-DIS-D**: LCD user interface for use with the W-GATE wireless gateway and an ANN-80-W Remote Annunciator. Connects to the FACP via the ANN-BUS. Both W-DIS-D and ANN-80-W are required to display trouble and supervisory conditions that are specific to the W-GATE and its devices. One W-DIS-D is required for each W-GATE in a system using the MS-9200UDLS or MS-9600(UD)LS.
- **ANN-80-W**: White 80 character LCD annunciator used with the W-DIS-D to display wireless-specific events not displayed on the FACP.
- **W-MMF**: Wireless monitor module. Used to monitor devices with mechanical contact actuation. Includes a special cover with a built-in tamper magnet. Recommended for installation in a SMB500-WH box (ordered separately) rather than a metal backbox for best performance. Requires (4) CR-123A batteries (included).
- **W-CRF**: Wireless relay module for use with the W-GATE wireless gateway. Includes a special cover with a built-in tamper magnet. Recommended for installation in an SMB500-WH box (ordered separately) rather than a metal backbox for best performance. Requires (4) CR-123A batteries (included).
- **W-BG12LX**: Wireless addressable pullstation. Requires (4) CR-123A batteries (included).
- **W-BG12LXSP**: Wireless addressable pullstation. Spanish text. Requires (4) CR-123A batteries (included).
- **W-SYNC**: Wireless sync module. Requires (4) CR-123A batteries (included).
- **SMB500-WH**: Optional surface-mount backbox.
- **W-USB**: Wireless USB radio/antenna dongle that plugs into the USB port of a PC running SWIFT Tools. The W-USB provides a communication link with SWIFT Wireless devices.
- **W-BATCART**: Wireless battery cartridge, 10-pack. For use with wireless pullstations and A/V bases.

For more information, contact Fire-Lite Alarms. Phone: (800) 627-3473, FAX: (877) 699-4105. www.firelite.com