NOTIFIER® by Honeywell

Product Announcement

SWIFT™: Smart Wireless Integrated Fire Technology

Announcement Date: October 10, 2014 (updated October 23, 2014)

Overview

Notifier® is proud to introduce SWIFT™ wireless fire detection.

When "you can't get there from here," wireless protection can be the answer. SWIFT wireless sensors give you **new options for applications** such as:

- **Difficult or impossible to wire**
- **Visually sensitive or historical integrity**
- **Restricted access – hazardous or secure**
- **Temporary construction**
- **Remodels**
- **Tight deadlines**

SWIFT intelligent wireless devices are **configured with current ONYX panels** *(firmware version 22 or higher)* to create an **integrated hybrid system** comprised of ***intelligent wired and wireless devices***. One or more SWIFT wireless gateways may be connected to the FlashScan SLC loop of the panel to provide individual annunciation and control of each device, as well as all of the features and benefits of ONYX intelligent sensing. The ONYX control panel or primary display provides annunciation and control *functions for all wired and wireless devices* in the system, so that operators **deal with a single interface for the combined system**.

Sensor appearance can be an important factor, and the SWIFT wireless detectors were designed to maintain a **consistent, low-profile appearance** very similar to corresponding wired devices, so that *they fit in where appearance is important*. Four CR-123A lithium batteries are required for each detector or module, providing SWIFT wireless with an expected battery life of 2 years, and a UL listed life of 1 year (2-year UL battery test in process).

Reliability is critical for wireless systems. SWIFT uses a proprietary cascading wave spread spectrum mesh protocol with supervised redundant communication for each device that has been **approved by UL for wireless Class A operation**.

"Cascading Wave" means that wireless devices ***operate cooperatively*** to pass messages progressively through a *network by* ***multiple paths***. All devices are inherently acting as repeaters, so additional devices can be strategically added to a wireless mesh to act as repeaters where necessary, providing a cost-effective means to access remote areas or to insure robust communication in specific areas.

Proper system application and design is fundamental for reliable wireless operation, and SWIFT wireless provides tools to pre-qualify application sites, configure systems with robust communication links, and analyze and adjust system performance.

Two methods of working with SWIFT systems are supported:

- Devices may be used to survey potential sites, and can be configured into working mesh with simple hand tools.
- **SWIFT TOOLS** is a software suite that includes utilities for Site Survey, Mesh Configuration, and Diagnostics. SWIFT TOOLS is available as a download from Notifier.ESD.com, and can be installed on a Window PC. Note that a USB radio/antenna is required to use SWIFT TOOLS: part number W-USB.

Important Notes

The NOTIFIER SWIFT product line operates in the 902-908 MHz frequencies, and complies with US based FCC requirements, and is being launched only in the USA at this time. Other regions/countries have differing requirements for wireless operation that preclude local approval of the version of SWIFT products described in this announcement.

Information

SWIFT Components

- **FWSG** – FlashScan Wireless SWIFT Gateway – 1 SWIFT Gateway is required for each wireless mesh, and supports up to 49 SWIFT detectors or modules. Connects to the SLC loop of a compatible panel using FlashScan protocol. 24VDC power supplied by SLC connection (or optional separate 24VDC input).
- **FWD-200P** – FlashScan Wireless Detector, Photo. Intelligent SWIFT photo detector. Requires one B210 base for installation. Requires (4) CR-123A batteries (included).
- **FWD-200ACCLIMATE** - FlashScan Wireless heat and photo detector, Acclimate. Intelligent SWIFT Acclimate detector provides the Acclimate features: advanced sensing using combined heat and smoke sensor information, and the ability to automatically adjust sensitivity based on ambient changes in the environment. Requires one B210 base for installation. Requires (4) CR-123A batteries (included).
- **FWH-200ROR135** – FlashScan Wireless Rate Of Rise Heat Detector (135º) – FlashScan intelligent wireless ROR heat detector. Requires one B210 base for installation. Requires (4) CR-123A batteries (included).
- **FWH-200FIX135** – FlashScan Wireless Fixed temperature Heat Detector (135º) – FlashScan intelligent wireless ROR heat detector. Requires one B210 base for installation. Requires (4) CR-123A batteries (included).
- **B210W** – Detector base used for wireless detectors. Includes a built-in magnet so that wireless devices can establish installed and tampered states.
- **FW-MM** – FlashScan Wireless Monitor module. Used to monitor devices with mechanical contact actuation. Ships with a special cover with a tamper magnet built in. Recommended for installation in a SMB500 box (ordered

separately) rather than a metal backbox for best performance. Ships with 4 Panasonic CR123A or 4 Duracell DL123A batteries.

- **NOTIFIER SWIFT TOOLS** programming and diagnostic utility. Free download from NOTIFIER.ESD.COM. For installation on a (typically laptop) PC running Windows™. Requires the W-USB radio/antenna for communication with SWIFT Wireless devices.
- **W-USB** – Wireless USB radio/antenna that plugs into the USB port of a PC running SWIFT TOOLS. The W-USB provides a communication link with SWIFT Wireless devices that are within approximately 20 feet and have not formed a mesh. Alternately, when the devices have formed a mesh, bringing the PC/W-USB within range (20 ft.) of the gateway for that mesh will establish communication between SWIFT TOOLS and all devices in the mesh.

Customer information for NOTIFIER SWIFT products is available on the SWIFT micro-site **www.notifier.com/swift.**

For complete information, including technical documents, go to the SWIFT landing page on **ESD.notifier.com/swift.**

For questions on applications using SWIFT systems please contact Notifier Technical Support or Notifier Product Managers.

Ordering and Availability

SWIFT system components are **available for shipping now.** Please contact your NOTIFIER Customer Service Representative.

NOTIFIER SWIFT SKU	Description	List Price
FWSG	FlashScan Wireless System Gateway – connects to SLC Loop of a current ONYX panel running version 22 or higher.	$440.00
FWD-200P	FlashScan Wireless Detector – intelligent wireless photo detector. Four CR-123A batteries included.	$304.00
FWD-200ACCLIMATE	FlashScan Wireless Detector – Acclimate wireless photo-heat detector. Four CR-123A batteries included.	$337.00
FWH-200ROR135	FlashScan Wireless Rate Of Rise Heat Detector, 135 degrees F. Four CR-123A batteries included.	$268.00
FWH-200FIX135	FlashScan Wireless Fixed Temperature Heat Detector, 135 degrees F. Four CR-123A batteries included.	$268.00
B210W	6” base for wireless detectors	$24.00
FW-MM	FlashScan Wireless Monitor Module. Four CR-123A batteries included. Recommended	$299.00

W-USB	USB radio adapter required for use with SWIFT TOOLS and a Windows PC.	$374.00
	NOTIFIER SWIFT TOOLS A software suite that assists with site qualification, system configuration, evaluation, and diagnostics. Runs on a Window PC that has a W-USB radio installed in a USB port. Available for free download on NOTIFIER.ESD.COM.	No Charge