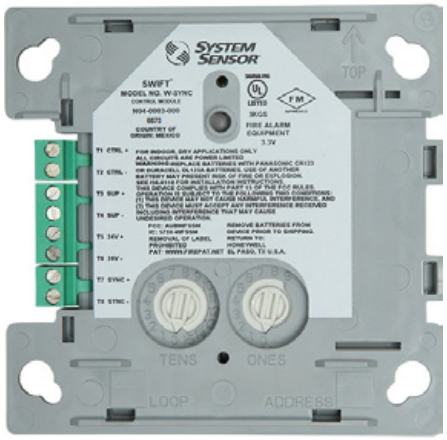
SWIFT W-SYNC Sync Module

The System Sensor SWIFT® Wireless system offers synchronization for wireless installations.



Features

- Class A mesh network
- Addressable code wheels
- Commercial applications
- UL 864 listed
- Frequency hopping
- Bi-Directional Communications

The **SWIFT® synchronization module (W-SYNC)** provides audio and visual synchronization between SWIFT notification appliances and System Sensor wired notification appliances supporting the integrated wired-wireless solution. The module only operates with notification appliances that use the System Sensor synchronization protocol. Synchronization of the SWIFT notification appliances within a single mesh network is inherent in the wireless system so a wireless synchronization module is not needed. The W-SYNC also provides wireless control and monitoring of a Notification Appliance Circuit (NAC) expander or power supply. The wireless synchronization module operates from 24V power with supplemental battery support and communicates through the mesh network to the gateway and FACP.

SWIFT® SYSTEM OVERVIEW

The SWIFT Smart Wireless Integrated Fire Technology wireless system offers intelligent (addressable) devices which provide secure, reliable communication to the Fire Alarm Control Panel (FACP) across a Class A mesh network. Wireless devices 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. It allows fast installation for time-critical situations and provides the flexibility to add wireless onto wired systems for retrofit installations. Both wired and wireless devices can be present on the same FACP for an integrated solution.

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. Once an initial mesh network is formed, mesh restructuring automatically occurs to find the strongest paths possible within the network.

The SWIFT system also engages frequency hopping to prevent system interference whether intentional or accidental. Each device complies with part 15 of the FCC rules: 1) The device may not cause harmful interference and 2) The device must accept any interference received including interference that may cause undesired operation.

Agency Listings

SIGNALING UL LISTED
S3705, Vol. 2

FM APPROVED
3062564

7300-1653:0160

Specifications

Physical/Operating Specifications	
Dimensions	Height 4.25 in. (10.8 cm); Width 4.25 in. (10.8 cm); Depth 1.5 in. (3.8 cm);
Weight	8.5 oz. (241 grams) includes 4 batteries

Electrical Specifications	
Normal Operating Voltage	18 to 30 VDC
Maximum Current Draw	60 mA (in alarm)
Average Operating Current	910 µA (with 3.9k ELR)
Monitor EOL Resistance	3.9K Ohms
Maximum Monitor Wiring Resistance	10 Ohms
Maximum Monitor Voltage	3.2 Volts
Maximum Transmit RF Power	17 dBm
Radio Frequency Range	902-928 MHz
Temperature Range	32°F to 120°F (0°C to 49°C)
Humidity	10% to 93% Non-condensing
Battery Type (Supplemental)	4 Panasonic® CR123A or 4 Duracell® DL123A
Battery Life	2 year minimum
Battery-only Current Draw	268 µA (with 3.9k ELR)
Battery Replacement	Upon TROUBLE BATTERY LOW display and/or during annual maintenance

Ordering Information

Part No.	Description
W-BATCART	WIRELESS BATTERY CARTRIDGE 10-PACK
SMB500-WH	WHITE SURFACE MOUNT BACK BOX
WAV-CRL	WIRELESS AV BASE CEILING RED
WAV-CWL	WIRELESS AV BASE CEILING WHITE
W-SYNC	WIRELESS SYNC MODULE

SYSTEM SENSOR®

3825 Ohio Avenue • St. Charles, IL 60174
Phone: 800-SENSOR2 • Fax: 630-377-6495

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