

W-SYNC

SWIFT Wireless Synchronization Module

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.

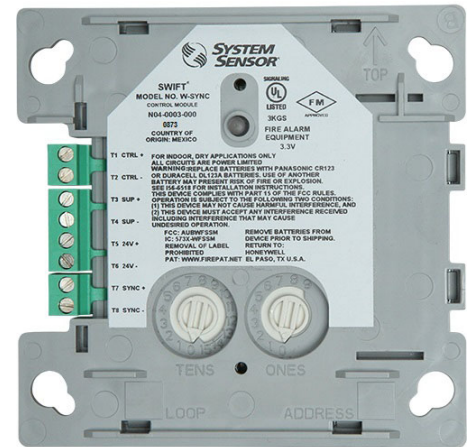
The W-SYNC module only operates with notification appliances that use the System Sensor synchronization protocol. Synchronization of the SWIFT notification appliances within a single mesh network is inherent in the wireless system so a wireless synchronization module is not needed. The W-SYNC also provides 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 with 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 FCC Title 47 Part 15c: 1) The device may not cause harmful interference and 2) The device must accept any interference received including interference that may cause undesired operation.



FEATURES AND BENEFITS

- Class A mesh network
- Addressable code wheels
- Commercial applications
- UL 864 listed
- CAN/ULC S527 listed
- Frequency hopping
- Bi-Directional Communications

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W-SYNC TECHNICAL SPECIFICATIONS

COMPONENTS AND ORDERING INFORMATION

- **W-SYNC:** Wireless sync module
- **XLS-WSG(CDN):** 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. See 74-5175 for other components available for use with the SWIFT Gateway. Order XLS-WSGCDN for ULC applications.
- **SMB500-WH:** White surface mount back box

PHYSICAL SPECIFICATIONS

Dimensions: Height 4.25" (10.8 cm); Width 4.25" (10.8 cm); Depth 1.5" (3.8 cm)

Weight: 8.5 oz. (241 grams) includes 4 batteries

OPERATING SPECIFICATIONS

Temperature Range: 32°F to 120°F (0°C to 49°C)

Humidity: 10% to 93% Non-condensing

ELECTRICAL SPECIFICATIONS

Normal Operating Voltage: 18 to 30 VDC

Maximum Current Draw: 60 mA (in alarm)

Average Operating Current: 910 μ A (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

Battery Type (Supplemental): 4 Panasonic® CR123A or 4 Duracell® DL123A

Battery Life: 2 year minimum

Battery-only Current Draw: 268 μ A (with 3.9k ELR)

Battery Replacement: Upon TROUBLE BATTERY LOW display and/or during annual maintenance

AGENCY LISTINGS AND APPROVALS

The file number(s) below reference the specific listings for the equipment in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult Honeywell for latest listing status.

- **UL/ULC Listed:** S3705, Vol.2
- **FM Approved:** 3062564
- **CSFM:** 7300-1653:0160

STANDARDS

The SWIFT Wireless System complies with the following UL Standards and with NFPA 72 Fire Alarm system requirements.

The W-SYNC SWIFT Wireless Synchronization Module is designed to comply with the following standards:

- UL 864 9th Edition and 10th Edition
- NFPA 72
- CAN/ULC S527

TO DO : CHECK FOR LOST TRADEMARKS THAT NEED TO BE ADDED BACK INTO FH/GWFCl/SK DSS

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This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

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