NOTIFIER® by Honeywell

W-SYNC SWIFT Sync Module

General

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 with the gateway and FACP.

SWIFT SYSTEM OVERVIEW

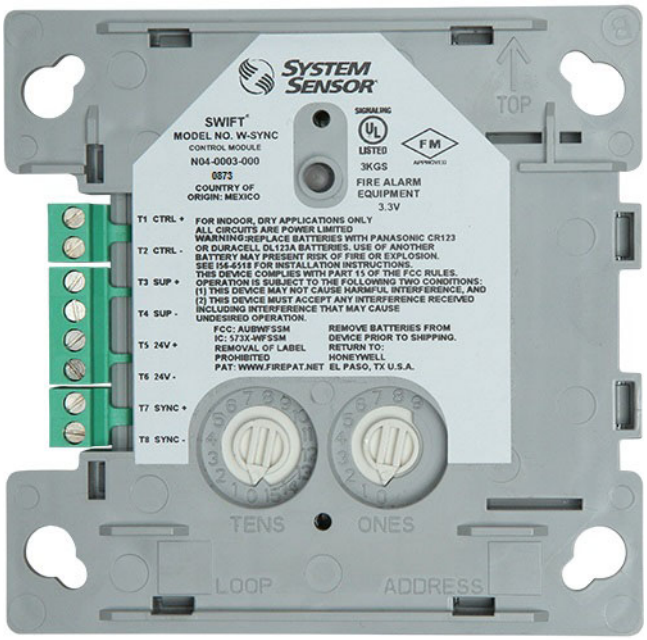
The SWIFT Smart Wireless Integrated Fire Technology wireless system offers intelligent (addressable) devices which provide secure, reliable communication to the Fire Alarm Control Panel (FACP) across a Class A mesh network. Wireless devices create an opportunity for applications where it is costly (concrete 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

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



W-SYNC SWIFT® Synchronization Module

Ordering Information

- **W-SYNC:** Wireless synchronization module
- **FWSG:** FlashScan Wireless SWIFT Gateway - 1 SWIFT Gateway is required for each wireless mesh, and supports up to 49 SWIFT detectors or modules. See *DN-60820* for other components available for use with the SWIFT Gateway.
- **SMB500-WH:** White surface mount back box

Physical/Operating 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
- **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 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
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- **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 µA (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 the factory for the latest listing status.

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

Standards

The W-SYNC SWIFT Sync Module complies with the following standards:

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

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ISO 9001 CERTIFIED
ENGINEERING & MANUFACTURING QUALITY SYSTEMS

Country of Origin: Mexico

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