SWIFT®

Intelligent Wireless Detectors

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

WIRELESS DETECTOR WITH B501W BASE

FEATURES & BENEFITS

- Wireless Installation
- Class A mesh network
- Complies with UL Standards for UL 864 and UL 268
- Frequency hopping
- Bi-directional communications
- Complies with NFPA 72 Fire Alarm System requirements.

- SWIFT devices integrate with previously installed FACPs through the SWIFT gateway and the FACP's SLC loop, for a seamless, easy and cost-effective system addition

- Wireless devices use (4) CR-123A lithium batteries or reliable, long lasting battery life. CR-123A batteries have a UL listed life of 2 years. All devices ship with batteries.

- Ideal for hard-to-wire buildings and can be combined with hard-wired devices for enhanced design and install options

- Swift Tools provides valuable information for device placement associated with conducting Site Surveys, diagnostics, history, statistics and mesh visualization. Swift Tools can be downloaded from the Farenhyt website at no cost. It is also available on the W-USB.

SWIFT Detectors Technical Specifications

PHYSICAL

Height: 2.4" (61 mm) installed in B501W base

Diameter: 4.0 inches (102 mm) installed in B501W base

Device Weight (includes 4 batteries): 8.1 oz (230 g) installed in B501W base

ENVIRONMENTAL

Operating Temperature Range: Photo: 32°F to 120°F (0°C to 49°C); Photo/thermal with Heat: 32°F to 100°F (0°C to 38°C)

Air Velocity: Photo/thermal with Heat: 0 to 4,000 fpm (0 to 20 m/sec)

Humidity: 10 to 93% relative humidity (non-condensing)

Thermal Ratings: Fixed Temperate Set Point: 135°F (57°C); Rate-of-Rise Detection: 15°F/min (8.3°C/min)

ELECTRICAL

Maximum Operating Voltage: 3.3VDC

Maximum Standby Current: 210µA @ 3.3VDC (one communication every 23.9 seconds with LED blink enabled)

Maximum Alarm Current (LED on): 5 mA @ 3.3VDC (LED on)

Radio Frequency Range: 902-928MHz

BATTERY SPECIFICATIONS

Battery Type: 4 Panasonic CR123A or 4 Duracell DL 123A

Battery Life: 2 years

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

ORDERING INFORMATION

WIDP-PHOTO: Wireless photoelectric smoke detector for use with the WIDP-WGI wireless gateway, B501W included

WIDP-ACCLIMATE: Wireless multi criteria photoelectric smoke detector with thermal (135°) for use with the WIDP-WGI wireless gateway, B501W included

WIDP-HEAT: Wireless fixed-temperature (135° F) heat detector for use with the WIDP-WGI wireless gateway, B501W included

WIDP-HEAT-ROR: Wireless rate-of-rise (135° F) heat detector for use with the WIDP-WGI wireless gateway, B501W included

WIDP-WGI: Wireless Gateway.

B501W: 4" wireless mounting base.

W-USB: Software interface (via USB port) for computers running the SWIFT Tools programming utility.

AGENCY LISTINGS AND APPROVALS

Each device complies with part 1 of the FCC rules meaning operation is subject to two conditions

1) The device may not cause harmful interference
2) The device must accept any interference received including interference that may cause undesired operation.

The listings and approvals below apply to the basic intelligent wireless detector. In some cases, certain modules may not be listed by certain approval agencies or listing may be in process. Consult factory for latest listing status.

UL Listed: S2424

CSFM: 7272-0559:0506; 7254-0559:0509

FM: approved

FDNY: (pending)

For a complete listing of all compliance approvals and certifications, please visit www.farenhyt.com.

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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.

For Technical Support, call 800-446-6444.

For more information

Learn more about Honeywell's Farenhyt Series and other products available by visiting www.farenhyt.com

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