



# WSK-MONITOR / WSK-RELAY

## SWIFT® Wireless Modules

SWIFT® (Smart Wireless Integrated Fire Technology) wireless modules are intelligent addressable modules which provide secure, reliable communication to the Fire Alarm Control Panel (FACP) across a Class A mesh network.

The SWIFT monitor module is intended for use with a wireless gateway to interface with a device having contacts used to signal status conditions. It is designed to provide an interface to contact devices such as security contacts, waterflow switches, or pull stations. The input to the monitor module is non-latching and does not require a reset. The device has a panel controlled LED indicator. The monitor module must be within 3- feet of the monitored device when using field wiring or 20 feet in non-metallic conduit.

The SWIFT relay module allows a compatible control panel to switch discrete contacts by code command. The relay contains an isolated set of Form-C contacts, which operate as a SPDT switch.

Circuit connections to the relay are not supervised by the module. The SWIFT relay module can be used to activate functions such as a remote power supply (in conjunction with a monitor module), elevator recall, door holders and fan shutdown of wired devices or SWIFT devices within the same mesh network. The module also includes a panel-controlled LED indicator.

SWIFT devices seamlessly integrate with existing or new wired installations and provide a unique level of reliability as a result of its proprietary smart, true mesh technology.

## FEATURES & BENEFITS

- No need for separate dedicated repeaters or antennas as each device acts as a repeater; lowering equipment costs and space requirements
- For enhanced reliability, SWIFT's smart mesh technology establishes redundant and continuous paths of communication. It "self-heals" if a wireless communication path is disrupted
- SWIFT devices integrate with previously installed FACP's 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 for reliable, long lasting battery life. CR-123A batteries have a UL listed life of 2 years.
- All devices ship with batteries
- 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 Silent Knight website at no cost. It is also available on the W-USB



**WIRELESS MODULE**

With redundant paths of communication, SWIFT provides Class A system reliability. If a wireless path is disrupted, the system automatically heals itself. It is ideal for hard-to-wire locations, buildings where new wiring is not allowed, or to provide an easy-install fire system for new construction projects.

### COMPATIBILITY

The SWIFT modules are compatible with the following Honeywell Silent Knight FACP's:

- 6820: Addressable fire alarm control panel with up to 1,110 addressable points
- 6820EVS: Addressable fire alarm control panel with an emergency mass notification system, up to 1,110 addressable points
- 6808: Addressable fire alarm control panel with up to 198 addressable points
- 6700: Addressable fire alarm control panel with up to 100 addressable points

# SWIFT Modules Technical Specifications

## MONITOR MODULE SPECIFICATIONS

**Physical Dimensions:** 4½"H x 4½"W x 1½"D  
**Device Weight (includes 4 batteries):** 7.9oz  
**Operating Temperature Range:** Photo: 32°F to 120°F (0°C to 49°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)

## ELECTRICAL:

**Maximum Operating Voltage:** 3.3VDC  
**Average Operating Current:** 210µA, 3.9 EOL  
**Maximum Current Draw:** 5mA (LED on)  
**EOL Resistance:** 3.9KOhms  
**Maximum IDC Wiring Resistance:** 100Ohms  
**Maximum IDC Voltage:** 3.2Volts  
**Maximum Average IDC Current:** 5.5µA  
**Maximum Transmit RF Power:** 17dBm  
**Radio Frequency Range:** 902-928 MHz Battery Life: 2 years

## RELAY MODULE SPECIFICATIONS

**Physical Dimensions:** 4¼"H x 4¼" W x 1½"D  
**Operating Temperature Range:** 32°F to 120°F (0°C to 49°C)  
**Operating Humidity Range:** 10% to 93% non-condensing

## ELECTRICAL SPECIFICATIONS

**Maximum Operating Voltage:** 3.3VDC  
**Average Operating Current:** 210µA  
**Maximum Current Draw:** 5mA (LED on)  
**Maximum Transmit RF Power:** 17dBm  
**Radio Frequency Range:** 902-928MHz

## RELAY CONTACT RATINGS

Current Rating	Maximum Voltage	Load Description	Application
2A	25 VAC	PF=0.35	Non-coded
3A	30 VDC	Resistive	Non-coded
2A	30 VDC	Resistive	Coded
0.46A	30VDC	L/R=20 ms	Non-coded
0.7A	70.7 VAC	PF=0.35	Non-coded
0.9A	125 VDC	Resistive	Non-coded

Current Rating	Maximum Voltage	Load Description	Application
0.5A	125 VAC	PF=0.75	Non-coded
0.3A	125 VAC	PF = 0.35	Non-coded

## 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

**WSK-MONITOR:** Wireless monitor module for use with the WSK-WGI wireless gateway. Includes 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.

**WSK-RELAY:** Wireless relay module for use with the WSK-WGI wireless gateway. Includes a special cover with a tamper magnet built in. Recommended for installation in an SMB500 box (ordered separately) rather than a metal backbox for best performance. Ships with 4 Panasonic CR123A or 4 Duracell DL123A batteries.

**WSK-WGI:** Wireless Gateway.

**W-USB:** Wireless USB radio/antenna dongle that plugs into the USB port of a PC running SWIFT Tools.

**SMB500:** Optional surface-mount backbox.

## AGENCY LISTINGS AND APPROVALS

Each device complies with part 15 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 detectors. 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 (Monitor Module):** (pending)

**FM:** (pending)

**FDNY:** (pending)

For a complete listing of all compliance approvals and certifications, please visit [www.silentknight.com](http://www.silentknight.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, Please call 800-446-6444.

## For more information

Learn more about Honeywell Silent Knight and other products by visiting [www.silentknight.com](http://www.silentknight.com)

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