Honeywell
THE POWER OF CONNECTED | Farenhyt™ Series

WIDP-MONITOR & WIDP-RELAY

SWIFT Wireless Modules

The SWIFT® wireless 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 wireless relay module allows the control panel to switch 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.

The devices communicate across the mesh network through a gateway to the FACP. The FACP views the SWIFT wireless device and another addressable device on the system providing similar detection functions and outputs as a wired counterpart. In addition, both wired and wireless devices can be present on the same FACP to meet the needs of a given application. A SWIFT wireless system can use any combination of modules, smoke, or heat detectors.

SWIFT wireless modules are intelligent (addressable) modules which provide secure, reliable communication to the Fire Alarm Control Panel (FACP) across a Class A mesh network. Wireless modules 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 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 SWIFT system also engages frequency hopping to prevent system interference whether intentional or accidental.



WIDP-RELAY Wireless Relay Module



WIDP-MONITOR Wireless Monitor Module

FEATURES & BENEFITS

- Wireless installation
- Class A mesh network
- Addressable code wheels
- Commercial applications
- UL 268 listed
- Frequency hopping
- Bi-directional communications

Compatible Control Panels

- IFP-75
- IFP-300
- IFP-300ECS
- IFP-2100
- IFP-2100ECS
- RFP-2100

SWIFT Components and Ordering Information

- **WIDP-MONITOR:** Wireless monitor module. Used to monitor devices with mechanical contact actuation. Includes a special cover with a built- in tamper magnet. Recommended for installation in a SMB500-WH box (ordered separately) rather than a metal backbox for best performance. Requires (4) CR-123A batteries (included).
- **WIDP-RELAY:** Wireless relay module for use with the WIDP-WGI wireless gateway. Includes a special cover with a built-in tamper magnet. Recommended for installation in an SMB500-WH box (ordered separately) rather than a metal backbox for best performance. Requires (4) CR-123A batteries (included).
- **WIDP-WGI:** 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 IDP protocol. Power may be supplied by the SLC circuit or via an optional 24VDC input.

Note: Use of the 24VDC input may be more convenient for service as it allows for powering down a gateway without shutting down an SLC loop.

- **WIDP-PHOTO:** Intelligent, wireless photo detector. Requires one B210W base for installation. Requires (4) CR-123A batteries (included).
- **WIDP-ACCLIMATE:** Intelligent wireless Acclimate® heat and photo detector using combined heat and smoke sensor information and the ability to automatically adjust sensitivity based on ambient changes in the environment. Requires one B210W base for installation. Requires (4) CR-123A batteries (included).
- **WIDP-HEAT-ROR:** Intelligent wireless rate of rise (135°) heat detector. Requires one B210W base for installation. Requires (4) CR-123A batteries (included).
- **WIDP-HEAT**: Intelligent wireless fixed-temperature (135°) heat detector. Requires one B210W base for installation. Requires (4) CR-123A batteries (included).
- **WIDP-PULL-DA:** Wireless addressable pullstation. Requires (4) CR-123A batteries (included).
- **WAV-CRL, WAV-CWL:** SWIFT Wireless Addressable A/V bases. Requires (8) CR-123A batteries (included). Requires a non-compact ceiling System Sensor® L-series notification device (ordered separately).
- **W-SYNC:** Wireless sync module. Requires (4) CR-123A batteries (included).
- **SMB500-WH:** Optional surface-mount backbox.
- **B210W:** Detector base used for wireless detectors. Includes a built-in magnet so that wireless devices can establish installed and tampered states.
- **SWIFT Tools:** Programming and diagnostic utility. Free download from www.farenhyt.com. For installation on a (typically laptop) PC running an approved version of Windows (See Minimum System Requirements for SWIFT Tools). Requires the W-USB radio/antenna dongle for communication with SWIFT Wireless devices.
- **W-USB:** Wireless USB radio/antenna dongle that plugs into the USB port of a PC running SWIFT Tools. The W-USB provides a communication link with SWIFT Wireless devices.
- **W-BATCART:** Wireless battery cartridge, 10-pack. For use with wireless pullstations and A/V bases.

WIDP-MONITOR & WIDP-RELAY Technical Specifications

MONITOR MODULE

Physical / Operating

Dimensions: Height 4-1/2 inches; Width 4-1/2 inches; Depth 1-1/2 inches

Device Weight (includes 4 batteries): 7.9 oz (224 g)

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

Operating Humidity Range: 10% to 93% non-condensing

Electrical

EOL Resistance: 3.9K Ohms

Maximum IDC Wiring Resistance: 10 Ohms

Maximum IDC Voltage: 3.2 Volts

Maximum Average IDC Current: 5.5µA

Maximum Transmit RF Power: 17 dBm

Radio Frequency Range: 902-928 MHz

Battery

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

Battery Life: 2 years

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

RELAY MODULE

Physical / Operating

Dimensions: Height 4-1/4 inches; Width 4-1/4 inches; Depth 1-1/2 inches

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

Operating Humidity Range: 10% to 93% non-condensing

Electrical

Maximum Transmit RF Power: 17 dBm

Radio Frequency Range: 902-928 MHz

Battery

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

Battery Life: 2 years

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

RELAY CONTACT RATINGS

CURRENT RATING	MAXIMUM VOLTAGE	LOAD DESCRIPTION	APPLICATION
2 A	25 VAC	PF = 0.35	Non-coded
3 A	30 VDC	Resistive	Non-coded
2 A	30 VDC	Resistive	Coded
0.46 A	30 VDC	(L/R = 20ms)	Non-coded
0.7 A	70.7 VAC	PF = 0.35	Non-coded
0.9 A	125 VDC	Resistive	Non-coded
0.5 A	125 VAC	PF = 0.75	Non-coded
0.3 A	125 VAC	PF = 0.35	Non-coded

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 and 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: S3511

CSFM: (Monitor Module)**:** 7300-0559:0507; (Relay module): 7300-0559:0508

FM Approved

FDFCC ID: (Monitor Module) AUBWFSMM and (Relay Module) AUBWFSRM

STANDARDS AND CODES

The SWIFT Wireless Intelligent Detectors comply with the following UL Standards and with NFPA 72 Fire Alarm System requirements.

UL 864

UL 268

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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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