

FEATURES

- ✓ Wireless installation
- ✓ Redundant communication mesh network
- ✓ Addressable code wheels
- ✓ Commercial applications
- ✓ AS compliant and agency listed
- ✓ Frequency hopping
- ✓ Bi-directional communications



PRODUCT DESCRIPTION

SWIFT Wireless detectors are intelligent (addressable) detectors which provide secure, reliable communication to the AFP-3030 Control Panel across redundant communication 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 AFP-3030 Control panel providing an integrated wired-wireless solution for increased installation potential.

The SWIFT detection line includes photoelectric, Acclimate standard and fixed heat detectors. The photoelectric detectors transmit a digital representation of smoke density through a wireless mesh to a gateway on to the AFP-3030 Panel. The Acclimate detectors combines a photoelectric chamber and a 57°C fixed temperature heat detector. Acclimate can also transmit an alarm signal due to heat.

The fixed heat detector utilise sensors designed for open area protection. All sensors offer addressable code wheels and two LEDs. The LEDs are controlled by the panels. Operation modes include red, green and amber colours with various solid or blink patterns. The mesh network within the SWIFT system created 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.

TECHNICAL SPECIFICATIONS

Height	61mm installed in SWIFT-BASE
Diameter	102mm installed in SWIFT-BASE
Device Weight (Includes 4 Batteries)	261g installed in SWIFT-BASE
Operating Temperature Range	Photo: -10 to 49°C; Acclimate with heat: -10 to 49°C
Air Velocity	Acclimate with heat: 0 to 4000 fpm (0 to 20m/sec)
Operating Humidity Range	10% to 93% non-condensing
Thermal Ratings	Fixed Temperate Set Point: 57°C

ELECTRICAL SPECIFICATIONS

Maximum Operating Voltage	3.3Vdc
Maximum Standby Current	210uA @ 3.3Vdc (1 communication every 23.9 seconds with LED blink enabled)
Maximum Alarm Current (LED on)	5mA @ 3.3Vdc (LED on)
Radio Frequency Range	915-928MHz

BATTERY SPECIFICATIONS

Battery Type	4 Panasonic CR123A or 4 Duracell DL 123A
Battery Life	Approximately 2 years
Battery Replacement	Upon "battery low" or "batt low" display and/or during annual maintenance

AGENCY LISTING AND APPROVALS

These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approvals agencies, or listing may be in process. Consult system consultant for latest listing status.

- ✓ AS ISO 7240.25:2015
- ✓ AS 7240.7-2004
- ✓ AS 7240.5-2004

Compliant with ACMA Radiocommunications Class 2000 and Class 2002 National Rules.

ORDERING INFORMATION

SWIFT-P	Wireless photoelectric smoke detector for use with the SWIFT-GW wireless gateway
SWIFT-Acclimate	Wireless Acclimate detector for use with the SWIFT-GW wireless gateway
SWIFT-H-57C	Wireless fixed-temperature (57 °C) heat detector for use with the SWIFT-GW wireless gateway
SWIFT-GW	FlashScan Wireless Gateway
SWIFT-BASE	4" (102mm) wireless mounting base
SWIFT-USB	Software interface (via USB port) for computers running the SWIFT Tools programming utility