WSK-WGI

SWIFT® Wireless Gateway

SWIFT® (**S**mart **W**ireless **I**ntegrated **F**ire **T**echnology) devices seamlessly integrate with existing or new wired installations providing a unique level of reliability as a result of its proprietary, smart, true mesh technology. 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. They communicate to the panel through a gateway that connects to the SLC loop of the 6000 Series Silent Knight 6700, 6808, 6820 or 6820EVS Fire Alarm Control Panels (FACPs) using SK protocol.

Wireless devices in a SWIFT network develop "parent-child" communication links with other devices in the mesh, so that a message originating from a remote device "hops" to the closest parent device, and then to successive parent devices until the message reaches the gateway. Alternate paths are also identified and supervised by the SWIFT protocol. Devices in a SWIFT system act as repeaters. If a device does not have an established communication path with adequate signal strength, additional devices may be installed to enable a stronger signal.

The WSK-WGI supports up to 50 devices: the gateway itself, and up to 49 wireless detectors and monitor modules. The Gateway assumes one SLC module address. Each wireless device assumes one module or detector address.

WIRELESS GATEWAY

The maximum number of gateways is limited by the number of available SLC addresses on the FACP, or a maximum of 4 gateways within a common wireless range.

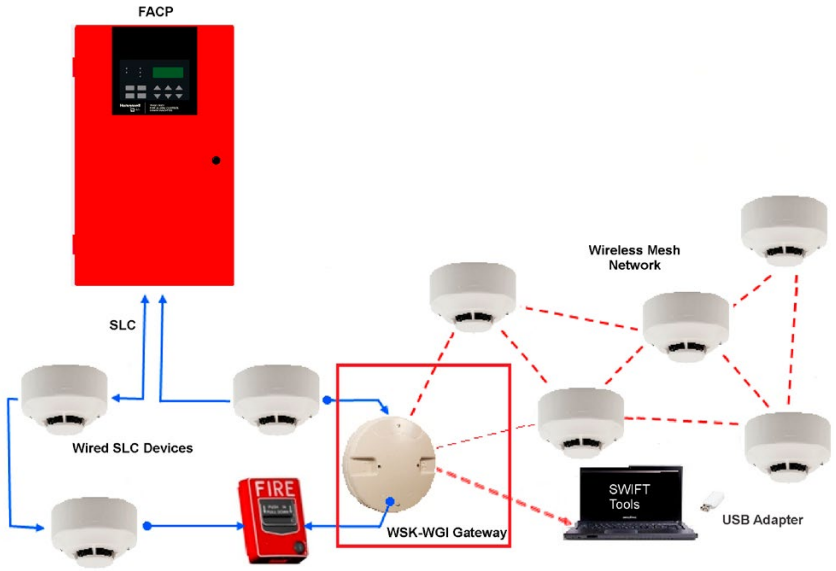
SWIFT can be installed using hand tools. However, the SWIFT Tools PC utility provides many benefits to a site evaluation (Site Survey), installing a system (Mesh Configuration), and extracting detailed information from the system (Diagnostics).

The utility runs on a laptop with Windows®, and uses a USB radio antenna (W-USB) to communicate with wireless devices within range of the PC. Once the devices have formed a mesh, SWIFT Tools can provide current information on all devices in the mesh as long as the PC is within range of the gateway.

FEATURES & BENEFITS

- 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.
- No need for separate dedicated repeaters or antennas as each device acts as a repeater; lowering equipment costs and space requirements
- SWIFT integrates with previously installed FACPs for a seamless, easy and cost-effective system addition
- Detection, notification and audible/visible synchronization with existing wired installations makes highly reliable hybrid installs possible
- Up to 4 wireless networks can be installed with overlapping radio network coverage; making large installs possible
- 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
- Each gateway supports up to 49 addresses for ample coverage
- SWIFT Tools also creates a useful graphic representation of the wireless network. It provides important system data and a visual perspective.
- SWIFT Tools makes the survey and installation faster and easier to complete; diagnostics simpler to understand and view

SWIFT Gateway Technical Specifications



SWIFT WIRELESS SYSTEM

ORDERING INFORMATION

WSK-WGI: Wireless SWIFT Gateway - required for each wireless mesh: supports up to 49 SWIFT detectors or modules

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

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

WSK-MONITOR: Wireless monitor module for use with the WSK-WGI wireless gateway. Includes 4 Panasonic CR123A or 4 Duracell DL123A batteries

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

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

WSK-RELAY: Wireless relay module for use with the WSK-WGI wireless gateway. Includes 4 Panasonic CR123A or 4 Duracell DL123A batteries

W-USB: SWIFT Tools USB transceiver used for communication with SWIFT devices

SMB500: Recommented surface-mount backbox

AGENCY LISTINGS AND APPROVALS

The listings and approvals below apply to the WSK-WGI. In some cases, certain modules may not be listed by certain approval agencies listing may be in process. Consult factory for latest listing status.

UL Listed: S2424

CSFM: (pending)

FDNY: (pending)

FM Approved

FCC ID: PV3WFSGW

STANDARDS AND CODES

The SWIFT Wireless System complies with the following UL Standards and with NFPA 72 Fire Alarm system requirements:

UL 864

UL 268

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

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 Silent Knight and other products by visiting www.silentknight.com

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