

W-BG12LX & W-BG12LXSP

SWIFT Wireless Pullstations



Intelligent Wireless Devices

The Fire-Lite® SWIFT® addressable pull station is a dual-action, manual pull station with a key-lock reset feature that provides one addressable alarm initiating input. The pull station features similar aesthetic design and durable construction characteristics as the wired counterpart to blend seamlessly throughout the environment. The device communicates to the FACP through the SWIFT mesh network and gateway, and is powered by 4 batteries offering a 2-year, UL listed battery life.

Installation is fast and straightforward by using a mounting plate that can be surface mounted. Once the mounting plate is firmly attached to the wall, the pull station is snapped into place and locked down with 3 screws.

The mechanical operation is simple and easy to use in an emergency with a PUSH IN/PULL DOWN handle that latches in the down position to clearly indicate the station has been operated while the word "ACTIVATED" appears on top of the handle in bright yellow, further indicating the operation of the station.

The wireless pull station meets the Americans with Disabilities Act Accessibility Guidelines' (ADAAG) controls and operating mechanisms guidelines (section 4.1.3[13]) and the Americans with Disabilities Act (ADA) requirement for a 5-pound maximum pull force to activate the pull station and conforms to ANSI/UL Standard 38.

The SWIFT wireless system offers intelligent (addressable) devices which provide secure, reliable communication to the Fire Alarm Control Panel (FACP) across a Class A mesh network. Wireless devices 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. Once an initial mesh network is formed, mesh restructuring automatically occurs to find the strongest paths possible within the network.

The SWIFT system also engages frequency hopping to prevent system interference whether intentional or accidental. Each device complies with part 15 of the FCC rules meaning operation is subject to the following 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.

Features

- Easy, fast, wireless installation
- Participates in a Class A mesh network
- Built-in tri-color LED, which is visible through the handle of the station, flashes in normal operation and latches steady red when in alarm
- Handle latches in down position and the word "ACTIVATED" appears to clearly indicate the station has been operated
- Maintenance personnel can open station for inspection and address setting without causing an alarm condition
- Standard "code wheel" for setting the SLC address
- For use in commercial applications
- Smooth dual-action design



- Meets ADAAG controls and operating mechanisms guidelines (Section 4.1.3[13]); meets ADA requirement for 5lb. maximum activation force.
- Meets UL 38, Standard for Manually Actuated Signaling Boxes
- Highly visible
- Made of durable polycarbonate material
- Attractive shape and textured finish
- Key reset
- Includes Braille text on station handle

Compatible Control Panels

- ES-50X
- ES-200X
- MS-9200UDLS
- MS-9600(UD)LS

Components and Ordering Information

- **W-BG12LX:** Wireless addressable pullstation. Requires (4) CR-123A batteries (included).
- **W-BG12LXSP:** Wireless addressable pullstation. Spanish text. Requires (4) CR-123A batteries (included).
- **W-GATE:** Fire-Lite Wireless SWIFT Gateway - 1 SWIFT Gateway is required for each wireless mesh, and supports up to 48 SWIFT detectors or modules, and one display driver, if required. Connects to the SLC loop of a compatible panel using LiteSpeed 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.

- **W-DIS-D:** LCD user interface for use with the W-GATE wireless gateway and an ANN-80-W Remote Annunciator. Connects to

the FACP via the ANN-BUS. Both W-DIS-D and ANN-80-W are required to display trouble and supervisory conditions that are specific to the W-GATE and its devices. One W-DIS-D is required for each W-GATE in a system using the MS-9200UDLS or MS-9600(UD)LS.

- **ANN-80-W:** White 80 character LCD annunciator used with the W-DIS-D to display wireless-specific events not displayed on the FACP.
- **W-SD355:** intelligent, wireless photo detector. Ships with B501W base included. Requires (4) CR-123A batteries (included).
- **W-H355R:** intelligent wireless rate of rise (135°) heat detector. Ships with B501W base included. Requires (4) CR-123A batteries (included).
- **W-SD355T:** intelligent wireless photo/heat detector. Ships with B501W base included. Requires (4) CR-123A batteries (included).
- **W-H355:** intelligent wireless fixed-temperature (135°) heat detector. Ships with B501W base included. Requires (4) CR-123A batteries (included).
- **W-MMF:** 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).
- **W-CRF:** Wireless relay module for use with the W-GATE 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).
- **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.
- **SWIFT Tools:** Programming and diagnostic utility. Free download from www.firelite.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 that are within approximately 20 feet and have not formed a mesh. Alternately, when the devices have formed a mesh, bringing the PC/W-USB within range (20 ft.) of the gateway for that mesh will allow SWIFT Tools to acquire information on all devices in that mesh, including point-to-point signal strength for all links.
- **W-BATCART:** Wireless battery cartridge, 10-pack. For use with wireless pullstations and A/V bases.

Specifications

Maximum Transmit RF Power: 17 dBm

Radio Frequency Range: 902-928 MHz

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

Humidity: 10% to 93% Non-condensing

Battery Type: 4 Panasonic® CR123A or 4 Duracell® DL123A

Battery Life: 2 year minimum

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

Dimensions: 5.6" (142 mm) H x 4.2" (107 mm) W x 2.1" (53 mm) D

Agency Listings and Approvals

The listings and approvals below apply to the W-BG12LX. 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: S711

CSFM: 7150-0075:0503

FCC ID: AUBWFSPS

NYC Fire Dept: COA #6252, #6253, 6261

FM Approved

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We try to keep our product information up-to-date and accurate.
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For more information, contact Fire-Lite Alarms. Phone: (800) 627-3473, FAX: (877) 699-4105. Country of Origin: Mexico
www.firelite.com