INSTALLATION AND MAINTENANCE INSTRUCTIONS

🔘 **Fire·Lite Alarms**
by Honeywell

W-BG12LX Wireless Pull Station

SPECIFICATIONS

Maximum Operating Voltage:	3.3 VDC
Maximum Current Draw:	5.0 mA (LED on)
Average Operating Current:	210 µA
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
Accessories:	Battery Cartridge W-BATCART

BEFORE INSTALLING

This pull station must be installed in compliance with the control panel system installation manual, the SWIFT Wireless Gateway Manual, applicable NFPA standards, national and local Fire codes and the requirements of the AHJ (Authority Having Jurisdiction). Regular testing of the devices should be done in accordance with the appropriate NFPA standards. Pull stations offer maximum performance when installed in compliance with the National Fire Protection Association (NFPA); see NFPA 72.

NOTICE: This manual should be left with the owner/user of this equipment.

GENERAL DESCRIPTION

The W-BG12LX wireless, addressable pull station is a UL38-compliant dual-action manual pull station with a key-lock reset feature intended for use with a wireless gateway or wireless fire alarm control panel (FACP). (See Figure 1). It provides Fire-Lite panels one addressable alarm initiating input. The device communicates through a robust, bi-directional mesh network to the gateway and/or FACP. Rotary dial switches are provided for setting the pull station's address. (See Figure 2.) Operating instructions are molded into the pull station handle along with Braille text. The wireless pull station meets the Americans with Disabilities Act Accessibility Guidelines (ADAAG) controls and operating mechanisms guidelines (section 4.1.3[13]), the Americans with Disabilities Act (ADA) requirement for a 5 lb. maximum pull force to activate the pull station and conforms to ANSI/UL Standard 38.
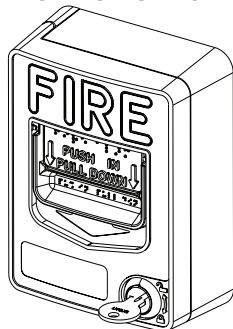
Panels offer different feature sets across the various models. As a result, certain features may be available on some control panels, but not on others. The possible feature sets available with the wireless pull station include:

- An LED on the wireless pull station is controlled by the panel to indicate device status. Operational modes include red, green and amber colors in various solid or blink patterns.

COMPATIBILITY REQUIREMENTS

To ensure proper operation, this module shall be connected to a compatible Fire-Lite system control panel (list available from Fire-Lite).

FIGURE 1. WIRELESS MANUAL PULL STATION

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BATTERY DOOR

The battery door includes a magnet for activation and tamper resistance. (See Figure 2.) The battery door magnet activates communication to the panel, therefore, the battery door must be installed and closed for the pull station to work properly. The magnet also activates a tamper fault at the panel if the battery door is opened. Do NOT remove this magnet.
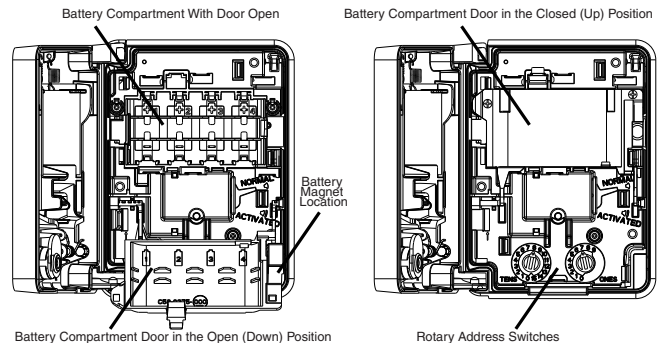
BATTERY REPLACEMENT

Low battery levels on the wireless devices are displayed as a trouble in the FACP. Therefore when the message "TROUBLE BATTERY LOW" is displayed, replace the battery in the device. This message is an indication that approximately one week of battery life remains.

To replace the batteries in a wireless device use the following steps:

1. Have 4 CR123A (or DL123A) batteries available.
2. Use the key to unlock and open the pull station door.
3. Open the battery compartment. (See Figure 2.)
4. Remove the used batteries and replace with new batteries. Batteries can be inserted directly into the pull station or inserted as a set of 4 batteries pre-loaded in a battery cartridge available from Fire-Lite. (See Figure 2.) The battery compartment and cartridge indicate the correct orientation of the batteries. Carefully align the batteries with these markings, and do not force them into place.
5. Close the battery compartment cover.
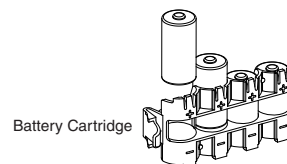6. Close and lock the pull station door.

FIGURE 2. BATTERY INSTALLATION

Battery Compartment With Door Open

Battery Compartment Door in the Closed (Up) Position

Battery Magnet Location

Battery Compartment Door in the Open (Down) Position

Rotary Address Switches

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Battery Cartridge

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SPACING

Wireless technologies can exhibit communication disruption if devices are spaced too close together. To avoid this form of disruption, SWIFT® devices should not be placed closer than 2 feet (60 cm) apart without an intervening structure. For specific information regarding pull station placement refer to NFPA 72, ADAAG, and ADA.

MOUNTING

To mount the wireless pull station, attach the wireless pull station mounting plate to a permanent structure. The mounting plate can be surface mounted. To avoid interference with the wireless network metal electrical boxes are NOT recommended. Do not detach the door of the pull station during installation. The door of the pull station cannot be reattached to the main housing after the pull station has been installed. Place the pull station onto the mounting plate and secure by tightening all three (3) mounting screws inside the door of the product housing using a #1 Phillips head screwdriver. (See Figure 3.)

NOTE: Do not attach the pull station to temporary structures such that the placement could be altered.

FIGURE 3. DEVICE MOUNTING

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OPERATION
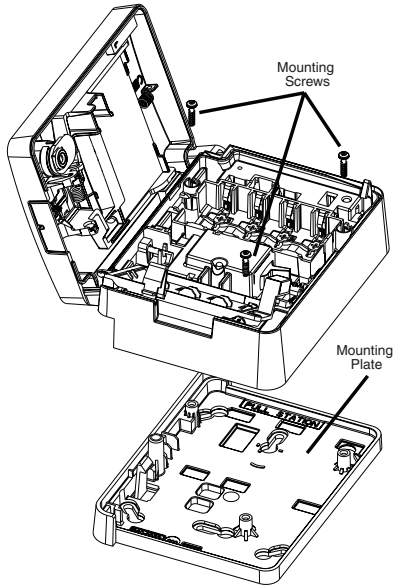
To activate the dual-action pull station:

Push in and pull down on the handle. The word 'ACTIVATED' appears after the handle is pulled down. This will remain until the pull station is reset.

To reset the pull station:

1. Insert the key into the lock and rotate 1/4 turn counterclockwise.

2. Open the door until the handle returns to normal.

3. Close and lock the door.

NOTE: Closing the door automatically resets the switch to the 'Normal' position. Opening the door will not activate or deactivate the alarm switch.