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## NBG-12WL 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 NBG-12WL 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 NOTIFIER 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.

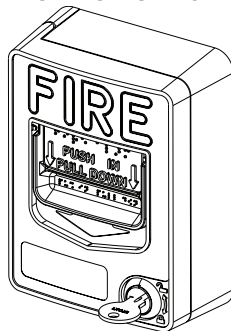
Panels offer different feature sets across the various models. As a result, certain features may be available on some control panels, but not on others. The possible feature sets available with the wireless pull station include:

- 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 Notifier system control panel (list available from Notifier).

**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.

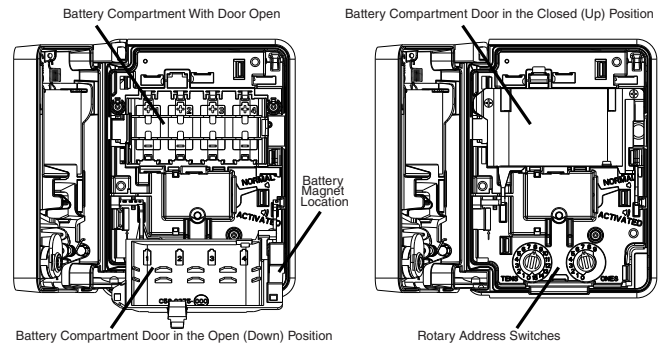
### BATTERY REPLACEMENT

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:

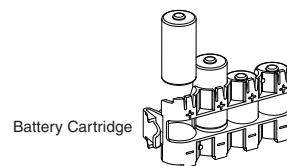
1. Have 4 CR123A (or DL123A) batteries available.
2. Use the key to unlock and open the pull station door.
3. Open the battery compartment. (See Figure 2.)
4. Remove the used batteries and replace with new batteries. Batteries can be inserted directly into the pull station or inserted as a set of 4 batteries pre-loaded in a battery cartridge available from Notifier. (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 Door in the Open (Down) Position

Rotary Address Switches



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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.

## OPERATION

### To activate the dual-action pull station:

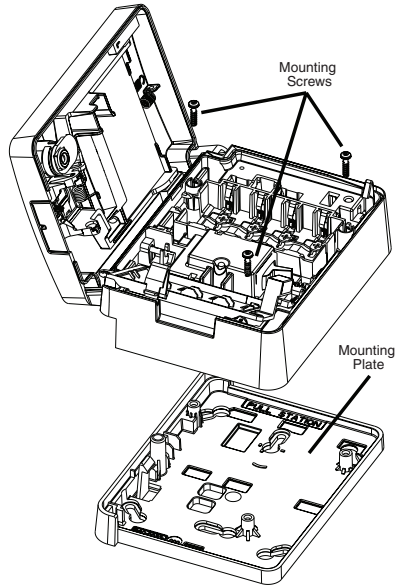
Push in and pull down on the handle. The word 'ACTIVATED' appears after the handle is pulled down. This will remain until the pull station is reset.

### 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.

**FIGURE 3. DEVICE MOUNTING**



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### LICENSING STATEMENT

Use of these products in combination with non-Honeywell products in a wireless mesh network, or to access, monitor or control devices in a wireless mesh network via the internet or another external wide area network, may require a separate license from Sipco, LLC. For more information, contact Sipco, LLC or Ipco, LLC at 8215 Roswell Rd., Building 900, Suite 950, Atlanta, GA 303350, or at [www.sipcollc.com](http://www.sipcollc.com) or [www.intusiq.com](http://www.intusiq.com).

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### FCC STATEMENT

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

WARNING: Do not make changes to the equipment. Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

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### IC STATEMENT

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

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### RAPPORT D'IC

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

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### INSTITUTO FEDERAL DE TELECOMUNICACIONES

This device utilizes the Honeywell915 rev A radio module and complies with IFETEL standard(s). IFT: RCPHOSW14-1983

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