



BG-12LAO/-12LAOB Manual Pull Station (Listed for Outdoor Applications)

Document: 51877 Revision A ECN 01-571 10/17/01
Patented, U.S. Patent No. Des. 428,351 Other Patents Pending

Description

The BG-12LAOB Pull Station is a non-coded manual pull station which provides a Fire Alarm Control Panel (FACP) with a single alarm initiating input signal. The pull station also provides a second set of normally-open contacts for auxiliary functions.

The pull station is a dual-action model equipped with a key lock/reset, screw terminals, an approved outdoor gasket, and an accompanying WBB Outdoor Backbox.

The pull station is UL listed and meets the ADA requirement of a 5-lb. maximum pull force to activate. Operating instructions are molded into the handle along with Braille text. Molded terminal numbers can be found adjacent to the wiring terminals.

Note: To meet UL requirements for outdoor use, the BG-12LAO Pull Station must be mounted to the WBB backbox to create the BG-12LAOB model. The BG-12LAO, with the WP-10 backbox, is UL approved in retrofit applications.

Switch Contact Rating

FACP Circuit (Terminals 1 & 2):
Rated for 0.25 Amp at 30 volts (AC or DC)

Auxiliary Contact Circuit (Terminals 3 & 4):
Rated for 3 Amps at 30 volts (AC or DC)

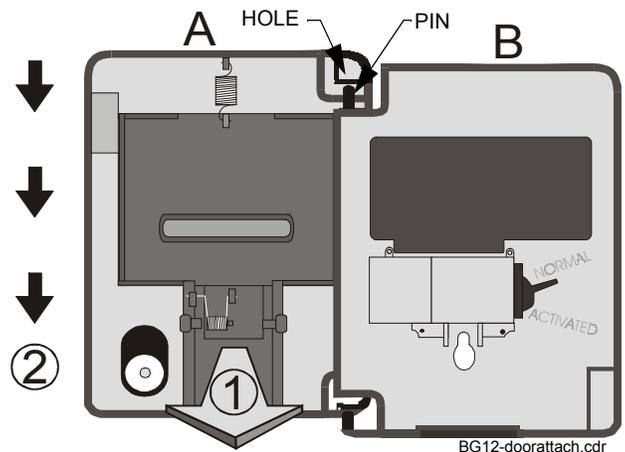
Installation

The supplied Outdoor Backbox (WBB) is surface mounted using the incorporated side flanges. The backbox can be positioned to allow conduit connection from any side and the pull station will mount in any position.

CAUTION: The door of the pull station may detach from the backplate. It cannot be re-attached while the backplate is mounted on the electrical box.

To re-attach the door----

Hold door (A) to the rear of the backplate (B) as shown in the figure below. Bring door forward (1) to align pins with holes. Slide door down (2) onto backplate. Close door partially to lock into place.



Operation

To activate the 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.



The pull station includes one Double Pole, Single Throw (DPST) Normally Open (N/O) switch which closes upon activation of the pull station.

Resetting 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.

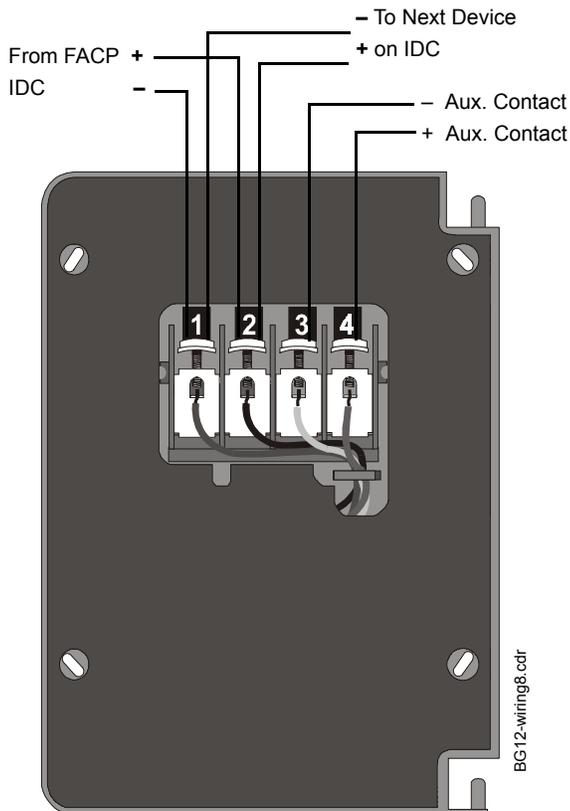
Note: Closing the door automatically resets the switch to the 'Normal' position. Opening the door will not activate or deactivate the alarm switch.

Wiring and Assembly Instructions

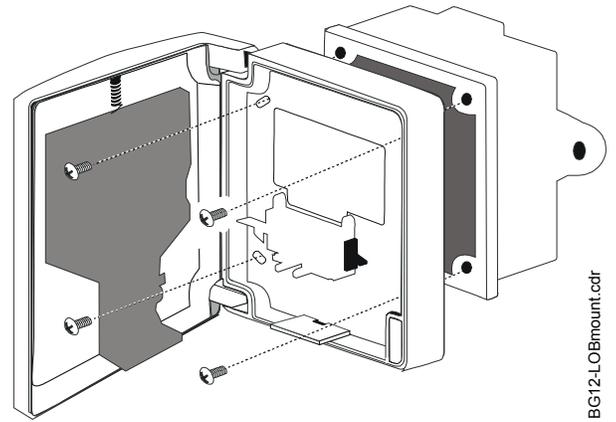
1. Surface mount the Outdoor Backbox (WBB) using the incorporated flanges.
2. Pull all necessary wiring through the mounted backbox.
3. Using the built-in strip gauge, on the back of the pull station, remove the correct amount of wire insulation.
4. Connect the wiring from the FACP's Initiating Device Circuit (IDC), or any previous device on the IDC, to terminals 1 and 2 on the pull stations terminal strip.
5. Connect the next device on the IDC, or an End-or-Line Resistor (ELR), to terminals 1 and 2.
6. Connect the wiring from the auxillary circuit to terminals 3 & 4.

Note: Maintain consistent polarity with all connections throughout the IDC.

Note: Do not loop wiring under any terminals. Break wire run to maintain IDC supervision.



7. Attach the pull station to the backbox using the (4) 8-32 x .375" screws provided.



Caution

Install the pull station in accordance with the supplied instructions, applicable NFPA standards, national and local Fire and Electrical codes and the requirements of the Authority Having Jurisdiction (AHJ). Conduct regular testing of the devices using appropriate NFPA standards. Fire•Lite is not responsible for devices that have not been properly installed, tested and maintained.

ADA Compliance

For ADA compliance, if the clear floor space only allows forward approach to an object, the maximum forward reach height allowed is 48-inches (121.92cm). If the clear floor space allows parallel approach by a person in a wheelchair, the maximum side reach allowed is 54-inches (137.16cm).

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