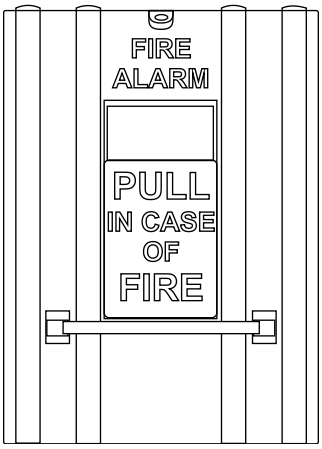
GSA-M270 Manual Pull Station Installation Sheet



Description

The GSA-M270 Manual Pull Station is a single-stage noncoded break glass pull station coupled with a Signature single input module. The module supervises the pull station and sends an alarm signal to the Signature controller module when the pull station is activated.

The GSA-M270 requires one action to activate an alarm. To activate an alarm, pull the pull station handle with enough force to break the glass rod.

The module requires one address on the Signature signaling line circuit (SLC). Addresses are assigned electronically. There are no address switches.

A bicolor LED provides visible indication of the module's status when the module is removed from the electrical box:

- Normal: Flashes green
- Alarm/active: Flashes red

Personality codes

Use the personality codes listed in Table 1 to configure the GSA-M270.

Table 1: Personality codes

Code	Description	UL	ULC
1	Alarm – NO latching (Class B)	P	P

Installation

Install and wire this device in accordance with applicable national and local codes, ordinances, and regulations.

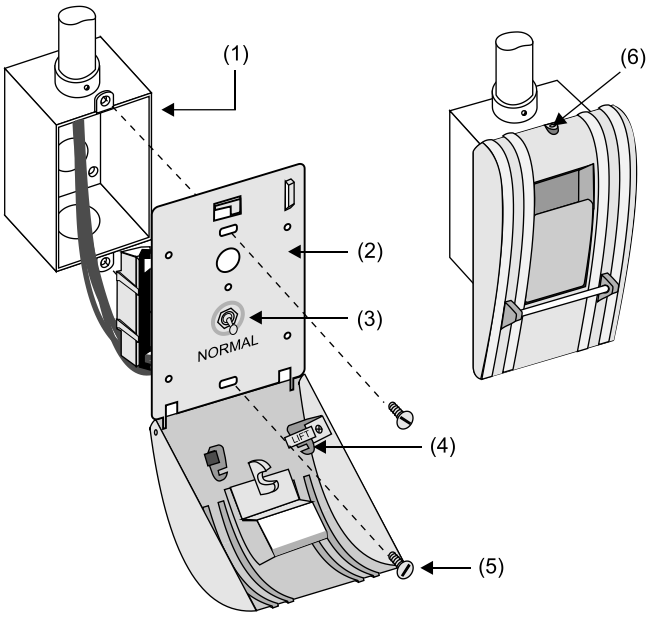
Notes

- This module is shipped from the factory as an assembled unit; it contains no user-serviceable parts and should not be disassembled.
- This module will not operate without electrical power. As fires frequently cause power interruption, we suggest that you discuss further safeguards with your local fire protection specialist.

To install the module:

1. Write the address assigned to the module on the label provided, and then apply the label to the module. Remove the serial number label from the module, and then attach it to the project documentation.
2. Wire the module as shown in Figure 2.
3. Using a flat blade screwdriver, turn the cover release screw counterclockwise to open the pull station.
4. Using the two #6-32 × 1/2 machine screws provided, mount the pull station on the electrical box. See Figure 1.
5. Pull the glass rod release lever and install the glass rod through the mounting bracket on the front of the pull-station.
6. Set the toggle switch on the backplate to the NORMAL position, and then snap the cover to its locked position.

Figure 1: Mounting the GSA-M270



(1) Compatible electrical box
(2) Backplate
(3) Toggle switch
(4) Glass rod release lever
(5) #6-32 × 1/2 screw (2X)
(6) Cover release screw

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Wiring

Wire this device in accordance with applicable national and local codes, ordinances, and regulations.

Notes

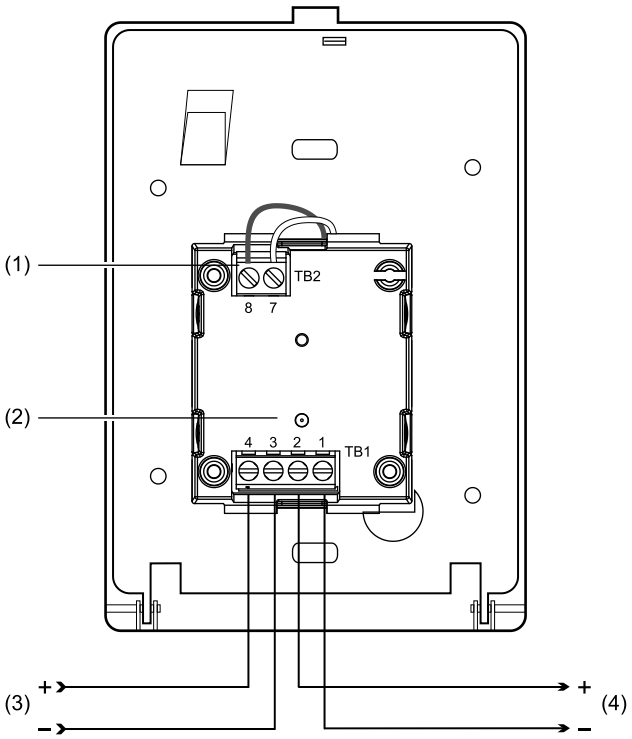
- Refer to the Signature controller module's installation sheet for SLC wiring specifications.
- All wiring is power-limited and supervised.

To wire the module:

1. Verify that all field wiring is free of opens, shorts, and ground faults.
2. Strip 1/4 in. (about 6 mm) from the ends of all wires that connect to the terminal block of the module.

   When stripping wire ends, exposing more wire may cause a ground fault; exposing less wire may result in a faulty connection.
3. Make all wiring connections as shown in Figure 2.

Figure 2: Wiring diagram



(1) Factory connections — do not alter
(2) Status LED
(3) SLC (from previous device)
(4) SLC (to next device)

Specifications

Voltage	15.20 to 19.95 VDC
Current	
Standby	300 µA
Activated	450 µA
Ground fault impedance	10 kΩ
Circuit designation	
Signaling line circuit	Class A/DCLA or Class B/DCLB
Wire size	12 to 18 AWG (1.0 to 4.0 mm²).
Operating mechanism	Single action, pull lever
Construction	Cast zinc with steel backplate
Compatible electrical boxes	2-1/2 in. (64 mm) deep single-gang box; 4-in. square box 1-1/2 in (38 mm) deep with single-gang cover
Special order surface mount boxes	27193-10: Cream enamel finish 27193-11: Red enamel finish
Replacement glass rods	USA: P/N 276-GLR (pkg. 20 rods) CAN: P/N 27165 (pkg. 12 rods)
Operating environment	
Temperature	32 to 120°F (0 to 49°C)
Relative humidity	0 to 93% noncondensing
Storage temperature	−4 to 140°F (−20 to 60°C)

Regulatory information

FCC compliance	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.
Industry Canada compliance	This Class A digital apparatus complies with Canadian ICES-003.

Contact information

For contact information, see www.kidde-esfire.com.

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