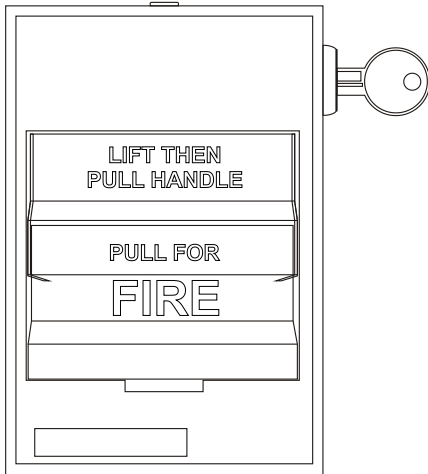


GSA-M278 Manual Pull Station Installation Sheet



Description

The GSA-M278 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-M278 requires two actions to activate an alarm. To activate an alarm, first lift the upper door marked LIFT THEN PULL HANDLE, and then pull the alarm handle marked PULL FOR FIRE 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:

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

Personality codes

Use the personality codes listed in Table 1 to configure the GSA-M278.

Table 1: Personality codes

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

Installation

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

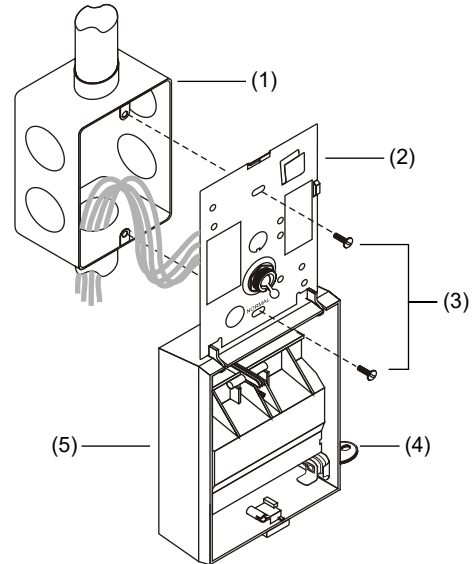
Notes

- 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 meet CAN/ULC-S527 ESD requirements, this module must be mounted in a grounded metal backbox.

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. Insert the key into the cover lock and turn the key to open the station, rotating the cover away from the backplate.
4. Using the two #6-32 × 1/2 machine screws provided, mount the pull station on the electrical box. See Figure 1.
5. Install the glass rod into the GLASS ROD mounting brackets inside the cover.
6. Set the toggle switch on the backplate to the NORMAL position.
7. Rotate the cover back into position on the backplate, turn the key to secure the cover, and then remove the key.

Figure 1: Mounting the GSA-M278



- (1) Compatible electrical box
- (2) Backplate
- (3) #6-32 × 1/2 screw (2X)
- (4) Cover lock and key
- (5) Front cover



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.

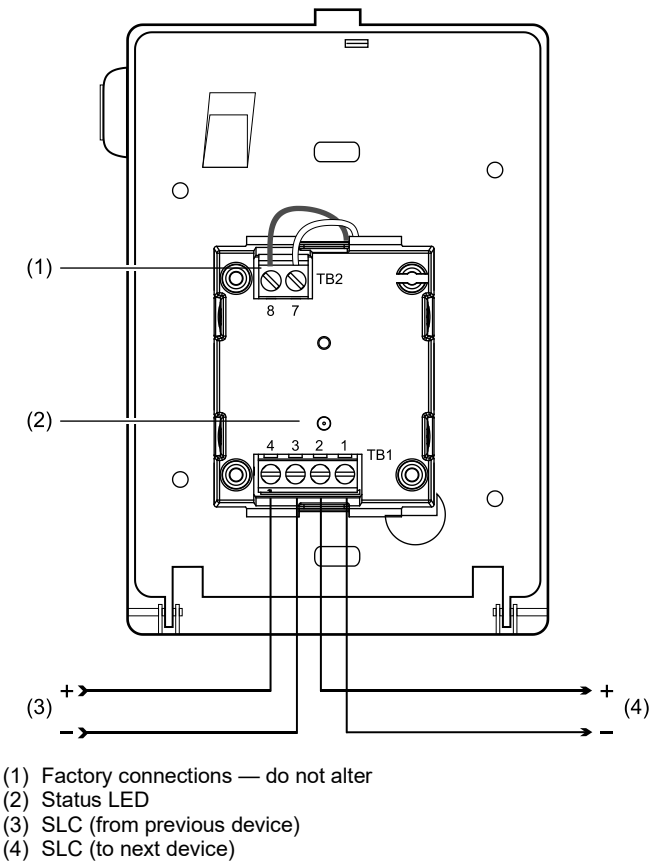
To wire the module:

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



Specifications

Voltage	15.20 to 19.95 VDC
Current	
Standby	300 μ A
Activated	450 μ A
Ground fault impedance	10 k Ω
Circuit designation	
Signaling line circuit	Class A/DCLA or Class B/DCLB
Wire size	12 to 18 AWG (1.0 to 4.0 mm ²).
Operating mechanism	Double action, pull lever
Construction	High impact plastic 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 276B-RSB red surface mount box
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.