



Single-Action Fire Alarm Stations

276/277B Series



Overview

The Edwards Cat. No. 276B/277B series noncoded fire alarm stations are contemporary styled Lexan stations and are flexibly designed to meet a wide variety of application requirements and operational sequences.

The Cat. No. 276B series are single action stations with terminals for field wiring connections.

The Cat. No. 277B series are also single action stations but use 6" (150mm) wire leads for field wiring connections.

All types are available with single or double pole alarm contacts which can be normally open, normally closed or a combination of both. Either a key or tool (depending on station selected) is required to reset mechanism. See specification chart for specific catalog numbers and features. Where a manual station is installed on a circuit that also includes smoke detectors, a resistor can be added in series with the alarm initiating contacts on the station so the operation of the station does not extinguish alarm LEDs on operated detectors. The Cat. No. 276-R resistor kits permit field installation of the series resistor on applicable stations.

For semi flush mounting use a standard North-American 4 inch square box with single gang plaster cover having an overall minimum depth of 2-1/4 inches (57mm). For surface mounting use a Cat. No. 276B-RSB surface back box.

Standard Features

- Single action models
- Single pole contacts
- Terminals or wire leads for field connections
- Pre-signal or general alarm operation
- Key lock or tool reset
- Break glass operation
- Surface or semi flush mounting
- Red finish
- Contemporary styling
- Rugged LEXAN construction
- Latch action until reset

Operation

To initiate an alarm and break the glass rod, pull down on the handle marked "Pull for Fire".

The alarm handle latches in the pulled position until the station is manually reset. To reset, the station is opened using a Cat. No. 276-K1 key supplied with the station, or a tool; the toggle switch is restored to its normal position, the break glass rod is replaced and the station is reclosed. For presignal type stations, the general alarm can be initiated by authorized personnel from any operated station by inserting Cat. No. 276-K2 key into the keyswitch behind the alarm handle and turning it clockwise.

Engineering Specifications

Furnish and install where indicated on plans, Cat. No. (Select one of the following:)

- (276B series single action manual stations with screw terminals)
- (277B series single action manual stations with 6 inch (150mm) wire leads)

for connection of installation wiring. All stations shall be of the noncoded break glass type.

The stations shall be constructed of red lexan with white raised letters. The alarm handle shall be marked "PULL FOR FIRE", to provide simple, concise instructions for activation of station by the general public.

Pulling the alarm handle shall break a glass rod and activate a toggle switch which shall cause the handle to latch in the alarm position. Momentary push button type switches shall not be acceptable. To reset the station it shall be necessary to open the station using (select one) (a key) (a special tool), restore the toggle switch to its normal position and replace the glass rod.

Stations shall be UL listed.

Technical Specifications

Contact Ratings

General Alarm Switch/Keyswitch

| | |
|-------------|---|
| Single Pole | 3.0 Amps, 30 Vac, Resistive Load 1.0 Amps, 28 Vdc, Resistive Load |
| Double Pole | 1.5 Amps, 30 Vac, Resistive Load 1.0 Amps, 28 Vdc, Resistive Load |

Resistor Kit for use in stations connected to smoke detector circuits

| | |
|------------------|----------------------------------|
| (Optional 276-R) | 560 Ohms, $\pm 5\%$ 2 W |
| Station Housing | Red Lexan 940 With White Letters |
| Weight | 1 lb (0.4 kg) |

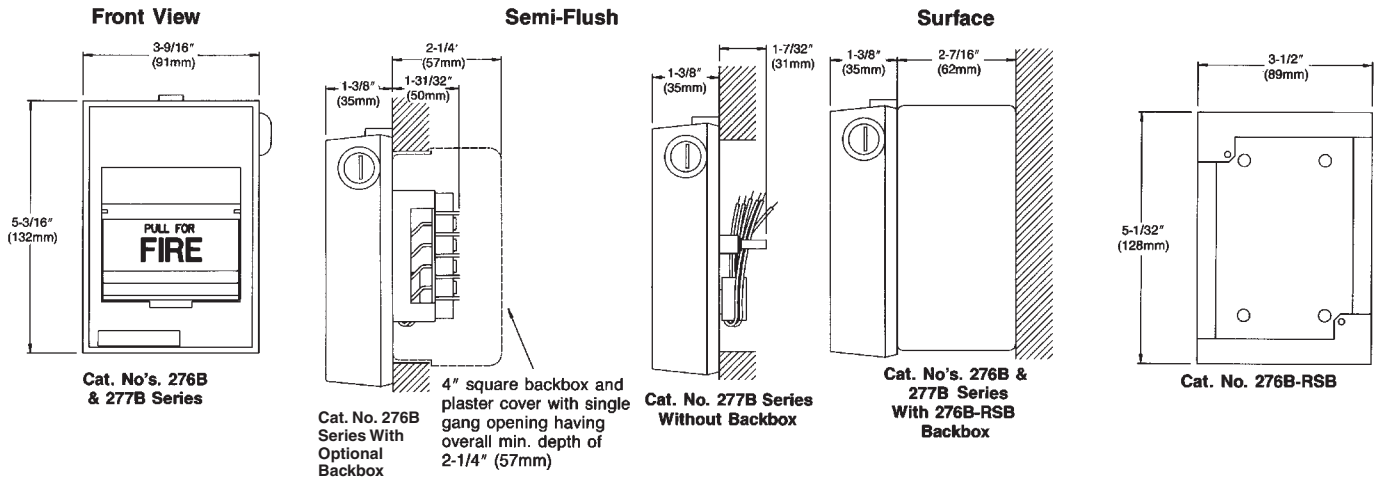
Accessories

| | |
|----------|---|
| 276-GLR | Replacement of Glass Rods |
| 276-K1 | Station Reset Key, Supplied with all Key Reset Stations |
| 276-R* | Series Resistor Kit |
| 276B-RSB | Surface Back Box, Red. |

*See Ordering Table to determine Kit for specific stations.

WARNING: These devices will not operate without electrical power. As fires frequently cause power interruptions, we suggest you discuss further safeguards with your local fire protection specialist.

Mounting



Ordering Information

| Catalog Number | Field Connections | | Switch Contacts | | | | Station Reset | | Type Alarm | | Agency Approvals |
|----------------|-------------------|-----------------------|---------------------------|---------------------|--------------|----------------|---------------------|--------------------|---------------------------|------------------------|------------------|
| | Screw Terminals | 6" (150mm) Wire Leads | Single Pole Alarm Contact | Double Pole Contact | Open Circuit | Closed Circuit | Tool Operated Reset | Key Operated Reset | Pre signal Alarm Contacts | General Alarm Contacts | UL Listed |
| 276B-1110* | X | | X | | X | | X | | | X | X |
| 276B-1120* | X | | X | | X | | | X | | X | X |
| 277B-1110 | | X | X | | X | | X | | | X | X |

*Suitable for optional resistor kit (276-R)



Detection & alarm since 1872

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