



Double-Action Fire Alarm Stations

278/279B Series — Non-Coded



Overview

The Edwards Cat. No. 278B/279B 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. 278B series are double action stations with terminals for field wiring connections.

The Cat. No. 279B series are double action stations with six inch (150mm) wire leads for field wiring connections.

All types can be either presignal or general alarm and 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 may 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's. 276-R and 276-RT series resistor kits permit field installation of the series resistor on applicable stations.

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

Standard Features

- Double action models
- Single or double pole contacts
- Terminals or wire leads for field connections
- Presignal 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 it is necessary to first lift the upper door marked "LIFT THEN PULL HANDLE", and then pull the alarm handle.

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 a 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:)

(278B series double action manual stations with screw terminals)

(279B series double action manual stations with six 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. It shall be necessary to first lift an upper door marked "LIFT THEN PULL HANDLE" to gain access to the alarm handle.

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
Cat. No. 276-R and 276-RT Series resistor kits (optional)	560 Ohms, $\pm 5\%$
(For stations connected to smoke detector circuits)	2 W
Station Housing	Red Lexan 940 with White Letters
Weight	1 lb (0.4 kg)

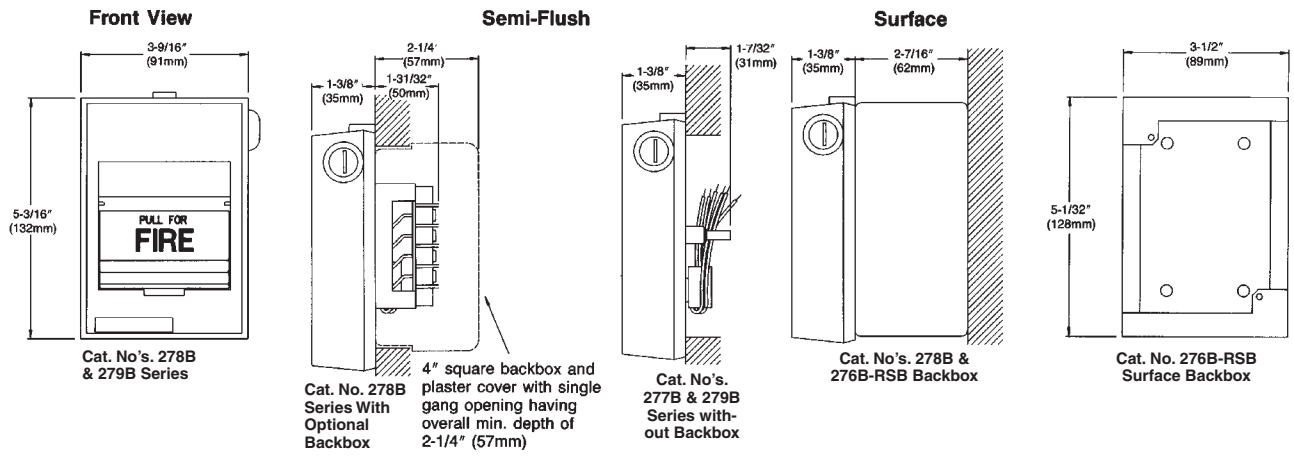
Accessories

276-GLR	Replacement Package of Glass Rods
276-K1	Station Reset Key, Supplied with all Key Reset Stations
276-K2	General Alarm Key. Must be ordered separately.
276-RT*	Series Resistor Kit with Terminal Block.
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		Series Resistor Kit	
	Screw Terminals	6" (150mm) Wire Leads	Single Pole Alarm Contact	Double Pole Contact	Open Circuit	Closed Circuit	Tool Operated Reset	Key Operated Reset	Presignal Alarm Contacts	General Alarm Contacts	UL Listed	FM Approved	276-R	276-RT
278B-1110	X		X		X		X			X	X	X	X	
278B-1120	X		X		X			X		X	X	X	X	
278B-1320	X			X	X			X		X	X	X		X
278B-1420	X			X	X	X		X		X	X	X		X
278B-2110	X		X		X		X		X	X	X	X	X	X
278B-2320	X			X	X			X	X	X	X	X		X
279B-1110		X	X		X		X			X	X	X		
279B-1120		X	X		X			X		X	X	X		
279B-1320		X		X	X			X		X	X	X		



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