KIDDE™ COMMERCIAL

FIRE ALARM SYSTEMS.
POWERED BY PARTNERSHIP.*

ROTARY
Compatible with FX Series control panels
ADDRESSING

INTELLIGENT MANUAL PULL STATIONS

FX-270, FX-278



OVERVIEW

Kidde intelligent manual pull stations are engineered to deliver high-performance features, superb reliability, and unbeatable quality. From control of ancillary equipment, to enhanced signaling functionality, these products add flexibility and powerful options to Kidde FX-64 and FX-1000 intelligent systems.

Designed expressly for small buildings, Kidde pull stations are addressable modules that are uniquely identified on the system by means of familiar rotary switches. Once registered, they share data and update status information that determines how the system behaves and how connected devices interact with one another.

Kidde intelligent manual pull stations also offer contractors and installers simple setup and installation, while delivering options that take full advantage of intelligent fire alarm processing. With a microprocessor in each device, intelligence is distributed throughout the system so that command decisions are made instantly at the individual pull station, rather than bottlenecking at the control panel.

This not only speeds event processing, it also makes a more robust and reliable system – so robust, in fact, that when upgrading from a conventional panel to a Kidde intelligent system, you can usually use existing wiring – no twisted or shielded cable required!

STANDARD FEATURES

Traditional familiar appearance
Single action models feature our familiar teardrop design with simple positive pull action and sturdy die-cast metal body.

Single action (GA) and double action models
Double action feature rugged Lexan housings with keyed reset.

Break glass operation
An up-front visible glass rod on the FX-270 discourages tampering.

Intelligent device with integral microprocessor
All decisions are made at the station allowing lower communication speed while substantially improving control panel response time. Less sensitive to line noise and loop wiring properties; twisted or shielded wire is not required.

ADA Compliant
Meets ADA requirements for manual pull stations.

Rotary Addressing
Familiar easy-to-set wheels.

Diagnostic LEDs
Status LEDs; flashing GREEN shows normal polling; flashing RED shows alarm state.

Designed for high ambient temperature operation
Install in ambient temperatures up to 120 °F (49 °C).

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OPERATION

A single input mini module mounted on the back of the unit (factory installed) supervises the station and sends an alarm signal to the control panel when the switch is closed (i.e. when the handle is pulled).

The device address is set using the two rotary switches located on the back of the unit. One device address is required.

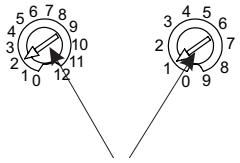
The pull station is configured for alarm latching operation. When the pull lever is activated, an alarm signal is sent to the control panel and the alarm condition is latched at the pull station.

The FX-270 pull station is a normally open dry contact initiating device that requires one action by the user to initiate an alarm.

The FX-278 pull station is a normally open dry contact initiating device that requires two actions by the user to initiate an alarm. First, the upper door marked LIFT THEN PULL HANDLE must be raised to access the alarm handle. Second, the alarm handle must be pulled to initiate an alarm.

DEVICE ADDRESSING

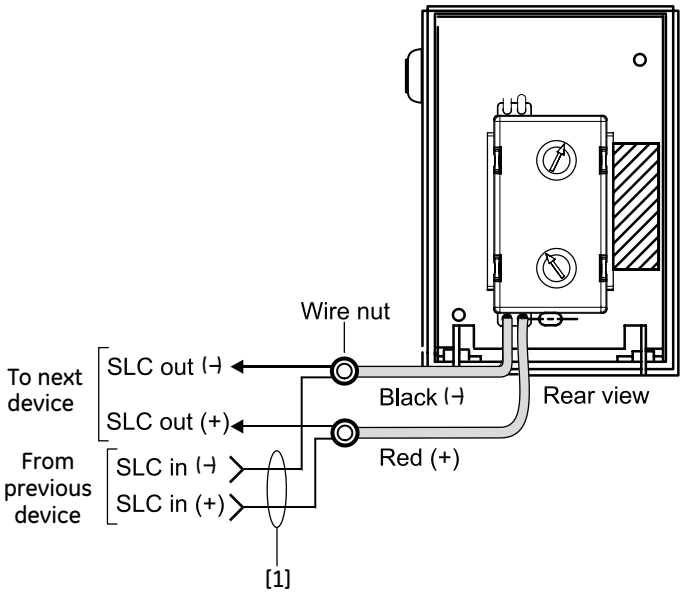
Use a screwdriver to adjust the two rotary switches on the front of the module. Set the TENS rotary switch (0 through 12) for the 10s digit and the ONES rotary switch for the 0 through 9 digit.



Example: device address 21, set TENS rotary switch to 2 and set the ONES rotary switch to 1.

Refer to the Specifications Table for available address numbers.

WIRING



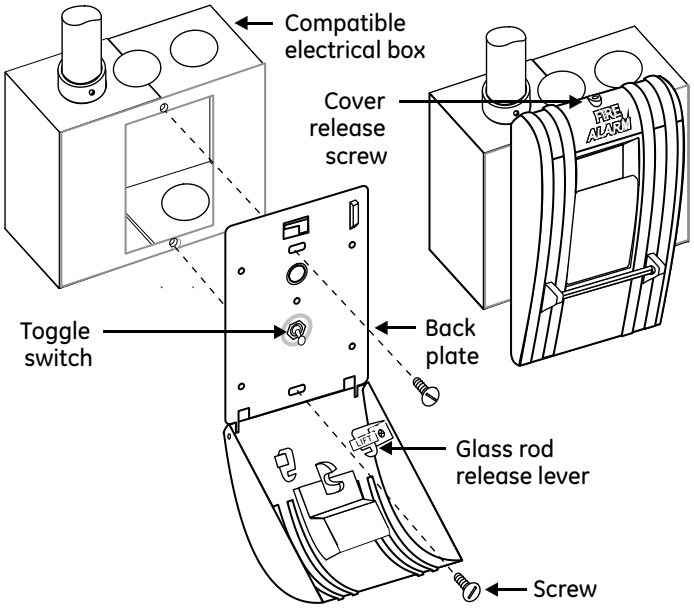
[1] Refer to the control panel technical reference manual for wiring specifications

2. All wiring is power-limited and supervised

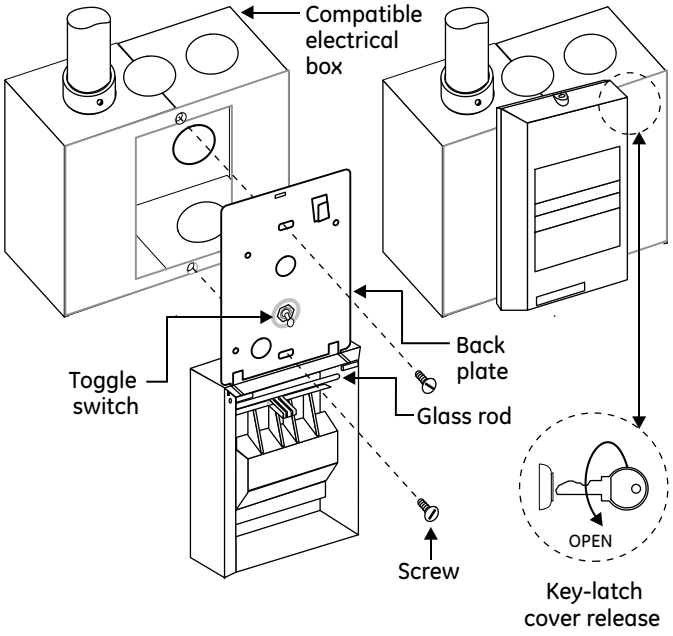
INSTALLATION

Mount in a North American 2-1/2 in. (64 mm) deep 1 gang box, or standard 4 in. square box 1-1/2 in. (38 mm) deep box with 1 gang cover.

FX-270 Single Action Pull Station



FX-278 Double Action Pull Station



SPECIFICATIONS

Communication line voltage	Maximum 20 V peak-to-peak
Current Standby Activated	 350 µA 500 µA
Operating environment Temperature Humidity	 32 to 120°F (0 to 49°C) 0 to 93% RH, noncondensing at 90°F (32°C)
Storage temperature range	–4 to 140°F (–20 to 60°C)
Compatible electrical boxes	North American 2-1/2 in. (64 mm) deep 1 gang box Standard 4 in. square box 1-1/2 in. (38 mm) deep box with 1 gang cover
Wire size	12, 14, 16, or 18 AWG wire (2.5, 1.5, 1.0, or 0.75 sq. mm) (Sizes 16 and 18 AWG are preferred)
Device address	01 to 64 (64 point SLC) 01 to 125 (250 point control panel)

ORDERING INFORMATION

Catalog Number	Description	Ship Wt. lbs (kg)
FX-270	Single Action Fire Pull Station, Kidde Addressable	1 (0.5)
FX-278	Double Action Fire Pull Station, Kidde Addressable	

Warning: *These pull stations will not operate without electrical power. As fires frequently cause power interruption, you should discuss further safeguards with your local fire protection specialist.*

Caution: *Wire in accordance with NFPA 72 and CAN/ULC-S524. Be sure to observe the polarity of the wires as shown in the diagram.*

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CONTACT US

Phone: 888.244.9979 (Option 4)
Email: kidde.fire@kgsolutions.com
Website: kidde-esfire.com

8985 Town Center Pkwy,
Bradenton, FL 34202

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