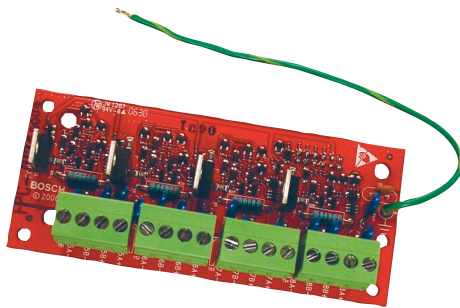


# FPC-7034 Four-Point Expander

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- ▶ Adds four Class B (Style B) or Class A (Style D) initiating circuits to the FPD-7024 FACP
- ▶ For use with normally-open (NO) or normally-closed (NC) alarm contacts
- ▶ Compatible with two-wire or four-wire smoke detectors
- ▶ Up to 20 two-wire smoke detectors per circuit
- ▶ Easy installation due to plug-in design and screw terminal circuit connections

The FPC-7034 Four-point Expander doubles the number of alarm initiating device circuits on the FPD-7024 Fire Alarm Control Panel (FACP). These circuits are identical to the circuits on the FACP. This plug-in module is automatically recognized by the control panel's firmware when power is restored to the system.

Category	Product ID	Product Description
Control Panels	FPD-7024	Addressable or conventional FACP
Detectors	For a list of compatible smoke detectors, see the <i>FPD-7024 Smoke Detector Compatibility List Technogram</i> .	

## Certifications and approvals

Region	Certification	
USA	UL	UQJZ: Control Units, System (ANSI/UL 864)
	FM	FPC-7034
	CSFM	see our website
	FDNY-CoA	#6173

## Installation/configuration notes

### Compatible Products

The following products are compatible with the FPC-7034 Four-point Expander:



### Notice

When four-wire smoke detectors are used, power must be supplied to the detectors from either the control panel or an external power source.

### Mounting Considerations

The FPC-7034 mounts on the FPD-7024 control board, just to the right of the keypad. Use the four nylon stand-offs supplied with the expander.

### Initiating Circuit Wiring

Circuit connection for the expansion initiating circuits is identical to the on-board circuit configuration. For wiring details, see the *FPD-7024 Installation Guide*. Install a supplied EOL resistor at the end of each wiring run.

## Parts included

Quant.	Component
1	Four-loop expander board
4	2.21 k $\Omega$ End-of-Line (EOL) Resistors (P/N: 25899)
4	Stand-offs (P/N: 26510)
1	Literature pack

## Technical specifications

### Environmental Considerations

Environment:	Indoor, dry
Relative Humidity:	Up to 95%, non-condensing
Temperature (operating):	+32°F to +122°F (0°C to +50°C)

### Mechanical Properties

Dimensions (HxWxD):	2.0 in. x 4.5 in. x 1.3 in. (5.1 cm x 11.4 cm x 3.3 cm)
Response Time:	Choice of fast (500 ms) or programmable from 1 sec to 89 sec

### Power Requirements

#### per initiating circuit:

Alarm Current (short circuit):	40 mA maximum
Alarm Current (threshold):	>25 mA
Detector Standby Current (total):	3 mA maximum
Loop Supervision Current:	8.0 mA to 15.0 mA
Trouble Current Threshold:	<7 mA
Voltage (supply):	18.0 VDC to 25.5 VDC

#### per FPC-7034 module:

Current (standby):	60 mA maximum
Current (alarm):	160 mA maximum

## Ordering information

### FPC-7034 Four-Point Expander

The FPC-7034 adds four Class B (Style B) or two Class A (Style D) initiating circuits to the FPD-7024 FACP. This plug-in module is automatically recognized by the control panel's firmware when power is restored to the system.

Order number **FPC-7034**

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