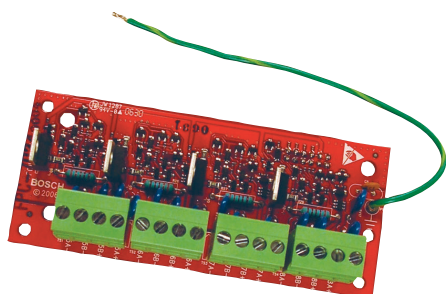




# FPC-7034 Four-Point Expander



- ▶ Adds four Class B (Style B) or two 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
- ▶ No programming necessary

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	Refer to <i>FPD-7024 Smoke Detector Compatibility List Technogram</i> (P/N: F01U010790) for a list of smoke detectors compatible with the FPD-7024 FACP.	
<b>Note</b>	When four-wire smoke detectors are used, power must be supplied to the detectors from either the control panel or an external power source.	

## Certifications and Approvals

Region	Certification
USA	UL UL864, 9th edition
	FM
	CSFM 7165-1615:227
	FDNY-CoA #6024

## Installation/Configuration Notes

### Compatible Products

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

### 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. Refer to the *FPD-7024 Installation Guide* (P/N: F01U008458) for wiring details.

Install a supplied EOL resistor at the end of each wiring run.

### Parts Included

Quant.	Component
1	Four-loop expander board
4	2.21 kΩ 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

Doubles the number of alarm initiating device circuits on the FPD-7024 FACP

#### FPC-7034

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