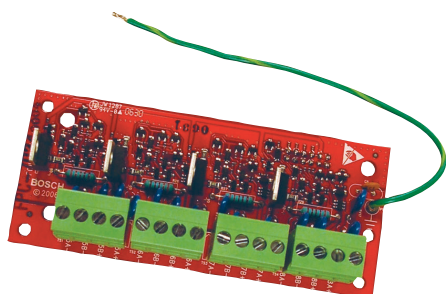




FPC-7034 Four-Point Expander



- ▶ 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.	
Note	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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