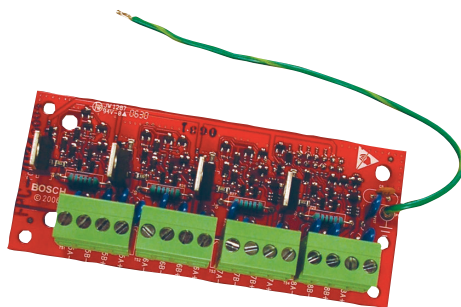


# FPC-7034 IDC expander, 4-point

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- ▶ Adds four Class B or two Class A 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.

## Certifications and approvals

Region	Regulatory compliance/quality marks	
USA	UL	UL 864, Control Units and Accessories for Fire Alarm Systems
	FM	FPC-7034
	CSFM	see www.boschsecurity.com (the Bosch website)
	FDNY-CoA	6173

## Installation/configuration notes

### Compatible Products

The FPC-7034 is compatible with the FPD-7024 FACPs. For a list of compatible smoke detectors, see the *FPD 7024 Smoke Detector Compatibility List Technogram*.



### 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

Quantity	Component
1	Four-loop expander board
4	2.21 kΩ End-of-Line (EOL) resistors (P/N: 25899)

Quantity	Component
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
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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 IDC expander, 4-point

The FPC-7034 adds four Class B or two Class A 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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