

D7035 Octal Relay Modules

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- ▶ Provides eight Form C programmable relay outputs
- ▶ Module connects to the FACP's option bus
- ▶ D7035 mounts conveniently inside the FACP enclosure with no separate enclosure needed
- ▶ D7035B includes mounting skirt and enclosure for mounting outside of the FACP enclosure
- ▶ Up to two modules are supported by the FACP

The D7035 Octal relay module family includes the D7035 and the D7035B. The modules are compatible with the D7024 Fire alarm control panel (FACP), the FPD-7024 FACP, or the FPA-1000 Analog/addressable fire panels. The modules provide eight Form C relay outputs to the FACP's. These relay outputs connect to the FACP's option bus. The relays can also be used for door closure, fan control, annunciators, indicators, or other dry contact input devices. Normally-open (NO) or normally-closed (NC) contacts can indicate alarm, supervisory, or trouble conditions.

The outputs on these modules are programmable. Each output operates individually from the other seven outputs on the module for complete flexibility. The outputs can also be activated by several different system events. Up to two octal relay modules are allowed on the FACP.



Notice

The D7024 is listed to UL864, 8th edition.

Certifications and approvals

Region	Regulatory compliance/quality marks	
USA	UL	UL 864, Control Units and Accessories for Fire Alarm Systems (D7035 only)
	FM	see the FM Approval Guide
	CSFM	see www.boschsecurity.com (the Bosch website)
	FDNY-CoA	6173
	FDNY-CoA	6101

Installation/configuration notes

Compatibility Information

The D7035/B are compatible with the FPA-1000-V2 and FPA-1000-UL*Analog FACP's and the FPD-7024 and D7024* Fire alarm control panels. When used with an FPE-7039 or D7039 Multiplex expansion module, the D7024* and FPD-7024 Conventional FACP's become Addressable FACP's.

* indicates legacy products. The FPA-1000-UL panels are listed to UL 864, 9th edition while the D7024 panels are listed to UL 864, 8th edition.

Mounting Considerations

Mount the D7035 directly in the control panel enclosure using the provided mounting site. The D7035B module comes with a mounting skirt and a red metal enclosure. The D7035B module mounts outside the FACP enclosure when space is limited. The module can be mounted up to 500 ft. (152 m) from the control panel using 18 AWG (ISO 0.75 mm²) wire.

Wiring Considerations

The FACP sends 12 VDC power and data from the Option Bus to the input terminals on the modules through four wires as a supervised Class B communication circuit. The wiring terminals are color-coded. The length of the wire attached to the option bus terminals must not exceed 4000 ft. (1219 m).

Technical specifications

Electrical

Option Bus

Current Draw:	7 mA + 35 mA per energized relay (use 5 mA + 26 mA per energized relay for battery calculations)
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Voltage (supply):	12.0 VDC nominal
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Environmental

Environment:	Indoor, dry
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Mechanical

Board Dimensions [H x W x D]:	5.0 in. x 3.3 in. x 0.8 in. (13.0 cm x 8.3 cm x 2.1 cm)
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D7035B Enclosure Dimensions [H x W x D]:	5.25 in. x 7.75 in. x 2.5 in. (13.3 cm x 19.7 cm x 6.4 cm)
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Outputs

Relay Contact Rating:	5.0 A at 28.0 VDC
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All hardware/software product names used in this document are likely to be registered trademarks and must be treated accordingly.

Ordering information

D7035 Multiplex octal relay module

Provide eight Form C relay outputs (w/o enclosure) for the D7024, FPD-7024, or FPA-1000 Fire Alarm Control Panels (FACP)

Order number **D7035**

D7035B Multiplex octal relay module + enclosure

Provide eight Form C relay outputs (with enclosure) for the D7024, FPD-7024, or FPA-1000 Fire Alarm Control Panels (FACP)

Order number **D7035B**

Accessories

D132B Polarity reversing module, 2-/4-wire 24V

Reverses polarity on 24 V smoke detector loop during alarm

Order number **D132B**

PAM-4 Relay module, form C, 10A 12/24V

One set of 10.0 A, Form C contacts that can be energized across a range from 9 VDC to 40 VDC

Order number **PAM-4**

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