D7048/D7048B Octal Driver Modules

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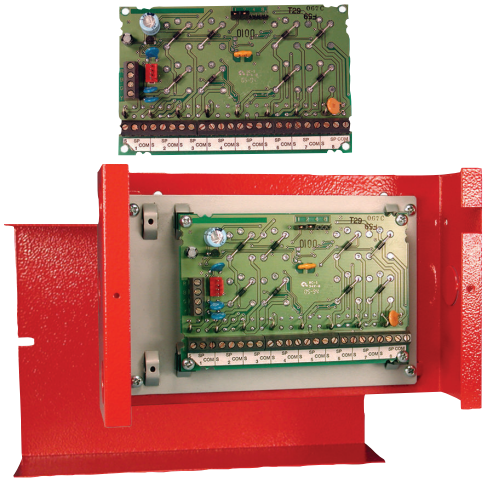

- Compatible with the D7024, FPD-7024, or FPA-1000 FACPs
- D7048 mounts inside the FACP enclosure; no separate enclosure needed
- D7048B includes mounting skirt and red metal enclosure for mounting outside of the FACP enclosure
- Each driver output is fully programmable
- Up to two modules are supported by the FACP

The D7048 and D7048B Octal Driver Modules provide eight open-collector transistor outputs (current sinks) to the D7024 Fire Alarm Control Panels (FACPs), the FPD-7024 FACPs, or the FPA-1000 Analog Addressable Fire Panels through the control panel's option bus. The outputs on these modules provide current sinks (each output shorts to common when activated.) Use these outputs to power such devices as relays, LEDs, or Sonalert devices. The outputs on these modules are programmable, and each operates individually from the other seven for complete flexibility. The outputs can also be activated by several system events.

Notice
The D7024 is **not** listed under UL864, 9th edition.

Certifications and approvals

Region	Certification	
USA	UL	UOXX: Control Unit Accessories, System (ANSI/UL 864)
	FM	D7048\D7048B
	CSFM	see our website
	FDNY-CoA	#6173
	FDNY-CoA	#6101

Installation/configuration notes

Mounting
The D7048 module mounts to existing attachment points inside the FACP enclosure. Mounting hardware is packaged with the module. This is the preferred mounting; however, when space inside the FACP enclosure is tight, the D7048B module can be mounted up to 250 ft (76 m) from the FACP.

Outputs
All devices connected to the D7048 or D7048B modules must be within 20 ft (6.1 m) of the module.

Wiring
The modules connect to the FACP's four-wire option bus using 18 AWG (ISO 0.75 mm^2) wire as a supervised Class B (Style 4) communication circuit. No more than 4000 ft (1.2 km) of wire can be attached to the option bus terminals. For additional wiring information, see the *D7024 Operation and Installation*

Guide, the *FPD-7024 Operation and Installation Guide*, or the *FPA-1000 Analog Addressable Fire Panels Installation and Operation Guide* .

Parts included

D7048

Quant.	Component
1	Octal driver module
1	Hardware pack
1	Literature pack

D7048B

Quant.	Component
1	Octal driver module
1	Enclosure (P/N: AE203R)
1	Mounting plate (P/N: MP-D203)
1	Hardware pack
1	Literature pack

Technical specifications

Environmental Considerations

Environment:	Indoor, dry

Mechanical Properties

Color:	Red
Board Dimensions (H x W x D):	5 in. x 3.3 in. x 0.8 in. (13 cm x 8.3 cm x 2.1 cm)

D7048B Enclosure Properties

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)
Material:	18 gauge (1.2 mm) cold-rolled steel

Outputs

12 VDC Current Sink (per output):	50 mA maximum
12 VDC Current Sink (total):	240 mA maximum for all eight outputs combined

Power Requirements

Current Draw (input):	7 mA + 1 mA per energized output (use 5.25 mA + 1 mA per energized output for battery calculations)
Voltage (input):	12 VDC nominal from FACP option bus

Trademarks

All hardware and software product names used in this document are likely to be registered trademarks and must be treated accordingly.

Ordering information

D7048 Octal Driver Module
Module and hardware
Order number **D7048**

D7048B Octal Driver Module with Fire Enclosure
Module, mounting plate, metal enclosure, and hardware
Order number **D7048B**

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