

# D7039 Multiplex Expansion Module

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Invented for life



- ▶ Has two Class B (Style 4) multiplex buses (supports addresses 9 to 255)
- ▶ Provides one Class A (Style 6) multiplex bus (supports addresses 9 to 128)
- ▶ Expands number of user codes to 100 PINs
- ▶ Increases event history buffer to 499 events
- ▶ Compatible with RPS

The D7039 Multiplex Expansion Module is designed to enhance the conventional features of the D7024 or FPD-7024 Fire Alarm Control Panel (FACP). The module connects directly to the FACP and results in a total of up to 255 addressable points. The module also increases the number of relay outputs (to 58 on the D7024 control panels and 59 on FPD-7024 control panels). It adds an additional 400 events to the history buffer for a total of 499 non-volatile events. It also allows for up to 100 system users (an addition of 84 PINs from the base system).

The module can be programmed remotely from a PC using the RPS Remote Programming Software.



#### Notice

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

#### Certifications and approvals

Region	Certification	
USA	UL	UOJZ: Control Units, System (ANSI/UL 864)
	FM	D7039

Region	Certification	
	CSFM	see our website
	FDNY-CoA	#6173

#### Installation/configuration notes

##### Compatible Products

The following products are compatible with the D7039 Multiplex Expansion Module:

Category	Product ID	Product Description
Control Panels	D7024	Addressable and conventional FACP
	D7024-EXP	Addressable and conventional FACP for export
	FPD-7024	Addressable and Conventional FACP

##### Mounting Considerations

The D7039 mounts onto the control panel board inside of the control panel's enclosure using connector pins. The D7039 Input-Output board mounts to the inside wall of the enclosure for field wiring.

**Wiring Considerations**

Refer to control panel's installation guide for additional wiring requirements.

Maximum Impedance: 50  $\Omega$  at +20°C (+68°F) nominal

Distance (approximate)	Size
1170 m	ISO 0.75 mm <sup>2</sup>
1810 m	ISO 1.5 mm <sup>2</sup>
3800 ft	18 AWG
5950 ft	16 AWG

**Notice**

Do not use shielded cable. Twisted pair is acceptable but not recommended.

**Notice**

If used in fire applications, a minimum of 18 AWG (ISO 0.75 mm<sup>2</sup>) is required.

**Parts included**

Quant.	Component
1	D7039 board
1	D7039 Input-Output board
3	Standoffs for input-output board
4	Standoffs for D7039 board
1	Literature pack

**Technical specifications****Environmental Considerations**

Environment:	Indoor, dry
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**Power Requirements**

Current (load):	100 mA maximum each bus
Current (alarm and standby):	150 mA maximum
Resistance (bus wiring):	50 $\Omega$ maximum
Voltage (bus):	12 VDC nominal
Voltage (input)	24 VDC nominal

**Ordering information****D7039 Multiplex Expansion Module**

The D7039 enhances the conventional features of the D7024 or FPD-7024 FACPs by increasing the number of addressable points to 256, the number of relay outputs to 58 on the D7024 or 59 on FPD-7024, the number of events on the history buffer to 499, and the number of users to 100.

Order number **D7039**

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