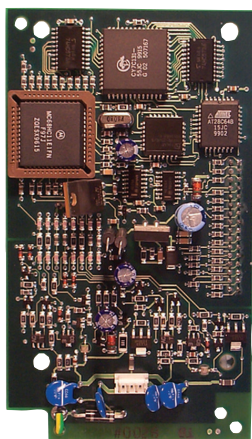




D7039 Multiplex Expansion Module



- ▶ 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
- ▶ Easy to install

The D7039 Multiplex Expansion Module is designed to enhance the conventional features of the D7024 or FPD-7024 Fire Alarm Control Panel (FACP). The D7039 connects directly to the FACP and results in a total of up to 255 addressable points. The D7039 also increases the number of relay outputs (to 58 on the D7042 control panels and 59 on FPD-7024 control panels), adds an additional 400 events to the history buffer for a total of 499 non-volatile events and also allows for up to 100 system users (an addition of 84 PINs from the base system).

The D7039 can be programmed remotely from a PC using the RPS Remote Programming Software.

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

Certifications and Approvals

Region	Certification	
USA	UL	UL864, 9th edition
	FM	
	CSFM	7165-1615: 147
		7165-1615:227
NYC-MEA	12-92-E	Vol. 14

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 Ω at +20°C (+68°F) nominal

Distance (approximate)	Size
1170 m	1.0 mm ²
1810 m	1.5 mm ²
3800 ft	18 AWG
5950 ft	16 AWG

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

Note If used in fire applications, a minimum of 18 AWG wire 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

Power Requirements

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

Ordering Information

D7039 Multiplex Expansion Module D7039

Enhance the conventional features of the D7024 or FPD-7024 Fire Alarm Control Panel (FACP) providing a total of up to 255 addressable points

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