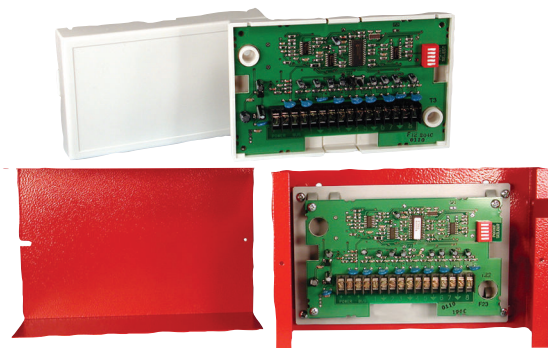


# D7042 and D7042B Eight-input Remote Modules

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- ▶ Has eight Class B (Style B) initiating circuits
- ▶ Includes eight UL Listed EOL resistors
- ▶ Convenient plastic case (D7042) or red metal fire enclosure (D7042B) for remote mounting
- ▶ Easy to install
- ▶ Connects to multiplex bus

The D7042 and D7042B Addressable Multiplex Eight-input Remote Modules have eight input loops for conventional contacts that can be used to monitor four-wire smoke detectors, waterflow contacts, and supervisory sensors. The module must be wired Class B to the multiplex bus of the D7024 or FPD-7024 Fire Alarm Control Panel (FACP).



**Notice**

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



**Notice**

A D7024 or FPD-7024 FACP and one D7039 Multiplex Expansion Module are required when using the D7042 or D7042B.

Up to 30 D7042 or D7042B modules can be supported per FACP (15 on bus A and 15 on bus B). The D7042 module comes with a plastic enclosure and can be mounted inside or outside the FACP enclosure. The D7042B module comes with its own red metal fire enclosure for remote mounting.

### Certifications and approvals

Region	Certification	
USA	UL	UOJZ: Control Units, System (ANSI/UL 864) D7042 only
	FM	D7042\D7042B
	CSFM	see our website
	FDNY-CoA	#6173

### Installation/configuration notes

#### Compatible Products

The following products are compatible with the D7042 and D7042B Eight-input Remote Modules:

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

**Wiring Considerations**

Use a minimum of 18 AWG (ISO 0.75 mm<sup>2</sup>) wire for the initiating device circuit wiring connected to the D7042 or D7042B. Wire length per loop cannot exceed 250 ft (76 m). For multiplex wiring requirements, see the *D7039 Installation Guide*.

**Notice**

Do not use shielded or twisted-pair cable.

**Parts included****D7042**

Quant.	Component
1	D7042 board
1	Plastic enclosure with spring tamper
8	47 kΩ EOL resistors (P/N: 28010)
1	Literature pack

**D7042B**

Quant.	Component
1	D7042 board attached to mounting skirt
1	Metal fire enclosure
8	47 kΩ EOL resistors (P/N: 28010)
1	Literature pack
1	Hardware pack

**Technical specifications****Circuit Designation**

MUX Bus:	Class B (Style 4) SLC
Inputs:	Class B (Style B) IDC

**Environmental Considerations**

Environment:	Indoor, dry
Temperature (operating):	+32°F to +120°F (0°C to +49°C)

**Mechanical Properties****Color**

D7042:	White
D7042B:	Red

**Dimensions (HxWxD)**

Board:	3.4 in. x 5.7 in. x 0.6 in. (8.6 cm x 14.5 cm x 1.5 cm)
Enclosure (D7042):	3.7 in. x 6.0 in. x 1.4 in. (9.4 cm x 15.2 cm x 3.6 cm)
Enclosure (D7042B):	5.25 in. x 7.75 in. x 2.5 in. (13.3 cm x 19.7 cm x 6.4 cm)

**Material**

D7042:	ABS plastic
D7042B:	Metal

**Weight (assembled)**

D7042:	0.6 lb (0.27 kg)
D7042B:	2.6 lb (1.2 kg)

**Power Requirements**

Current (alarm and standby):	10 mA at 12 VDC through multiplex bus; 8 mA from option bus
Battery Calculation Current (alarm and standby):	18 mA
Voltage (operating):	8 VDC peak minimum bus

**Ordering information****D7042 Eight-input Remote Module**

Board and plastic enclosure with spring tamper  
Order number **D7042**

**D7042B Eight-input Remote Module with Fire Enclosure**

Board on mounting plate with metal enclosure  
Order number **D7042B**

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