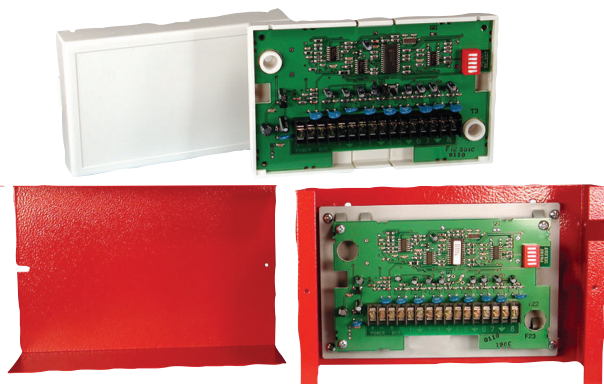




BOSCH

Invented for life

D7042 and D7042B Eight-input Remote Modules



- ▶ 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).

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

Note 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	D7042 only: AMCX: Central Station Alarm Units (UL1610, UL1635), AOTX: Local Alarm Units (UL464, UL609), APAX: Police Station Alarm Units (UL365, UL464), and NBSX: Household Burglar Alarm System Units (UL1023)
		D7042 only: UL864, 9th edition
	FM	
	CSFM	7165-1615: 147 7165-1615:227
	NYC-MEA	D7042B only: 12-92-E, Vol. 14

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 (1.02 mm) wire for the initiating device circuit wiring connected to the D7042 or D7042B. Wire length per loop cannot exceed 250 ft (76 m). Refer to the *D7039 Installation Guide (P/N: 38685)* for multiplex wiring requirements.

Note 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)

Color**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 **D7042**
Board and plastic enclosure with spring tamper

D7042B Eight-input Remote Module with Fire Enclosure **D7042B**
Board on mounting plate with metal enclosure

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