

DS7460i Dual-zone Input Module

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Invented for life

- ▶ Supervises two protection loops
- ▶ Can be used in UL Listed fire and security applications
- ▶ DIP switch programmable

The DS7460i Dual-zone Input Module works with compatible multiplex systems, uses two multiplex zone addresses, and monitors up to two separate zones. It is DIP switch programmable and provides two supervised input zones to connect conventional normally-open (NO) or normally-closed (NC) contacts.

Functions

Supervises Two Protection Loops

The two protection zones are designed to monitor NO or NC dry contacts. They are supervised using 47 kΩ end-of-line (EOL) resistors.

Zone 1 may be used as a magnetic contact by mounting a magnet in conjunction with the reed switch and removing the EOL resistor for Zone 1. Zone 1 may not be used as a magnetic contact and used to monitor other contacts at the same time.

Certifications and approvals

Region	Certification	
Europe	CE	2004/108/EC EMC Directive (EMC), 2006/95/EC Low-Voltage Directive (LVD)
USA	UL	NBSX: Household Burglar Alarm System Units (UL1023), UOXX: Control Unit Accessories, System (UL864, 9th edition), UTOU: Control Units and Accessories - Household System Type (UL985)
	CSFM	7165-1615: 113, 7165-1615: 119
	CSFM	7165-1615:0242
	CSFM	7165-1615:0238
	CSFM	7165-1615:0119
	CSFM	7167-1615:0239

Installation/configuration notes

Compatibility Information

Control Panels	D9412GV2, D7412GV2, and D7212GV2 Control Panel
	D9412G, D7412G, and D7212G Control Panel
	D9124 Fire Alarm Control Panel

	DS7400Xi Control Panel
Multiplex Modules	D8125MUX Multiplex Bus Interface
	DS7430 Multiplex Expansion Module
	DS7436 Multiplex Expansion Module

The DS7460i Module requires a multiplex expansion module to connect to the control panels.

Fire Applications

For UL Listed fire installations, normally-open (NO) contacts must be used. For fire installations, order Multiplex Fire Zone EOL Resistors (P/N: 28010) in the quantity needed.

Wiring

Maximum Impedance: 4.05 Ω at +20°C (+68°F) nominal

Distance (approximate)	Size
76 m	0.65 mm
193 m	1.02 mm
250 ft	22 AWG
600 ft	18 AWG

Refer to the multiplex expansion module's reference guide for multiplex wiring requirements. The recommended wiring to the control panel is quad (four-wire) cable. Do not use shielded or twisted pair cable.



Notice

If used in fire applications, 18 AWG wire is required.

Parts included

Quantity	Component
1	Dual-zone input module
2	Multiplex-zone EOL resistor (P/N: 26069)
1	Hardware pack
1	Literature pack

Technical specifications

Circuit Parameters

Initiating Device Circuit Type:	Class B (Style A)
Signaling Line Circuit Type:	Class B (Style 4)
Zone Requirements:	Two multiplex addresses

Environmental Considerations

Temperature (Operating):	0°C to +50°C (32°F to +122°F)
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Power Requirements

Current Draw:	1 mA maximum
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Ordering information

DS7460i Dual-zone Input Module

Provides two supervised input zones to connect conventional normally-open (NO) or normally-closed (NC) contacts. It is DIP switch programmable.

Order number **DS7460i**

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