



DS7465i Input-Output Module



- ▶ Supervises one power-limited input zone
- ▶ Provides one output relay
- ▶ Can be used in UL Listed fire and security applications
- ▶ DIP switch programmable

The DS7465i Input-Output Module works with compatible multiplex systems and uses two multiplex zone addresses. It supplies a DIP switch programmable Form C relay (output zone) that activates on several different system events. The DS7465i Module provides an input zone for monitoring conventional normally-open (NO) or normally-closed (NC) contacts. The module reports the contact status as a multiplex address to the control panel. Use up to sixty DS7465i Modules with compatible control panels or multiplex expansion modules.

Functions

Supervised Input Zone

The power-limited input zone is designed to monitor NO or NC dry contacts. It is supervised using 47 k Ω end-of-line (EOL) resistors.

Output Relay

Use the output relay only on power-limited circuits. The relay contacts are rated 1 A at 30 VDC for resistive loads. Do not use the output relay with inductive or capacitive loads.

Certifications and Approvals

Region	Certification	
Europe	CE	89/336/EEC, EN55022: 1998, EN50130-4: 1995, EN60950: 2000, EN61000-3-2, EN61000-3-3, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11
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, 7170-1615: 144, and 7170-1615: 145

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 DS7465i Series Modules require 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-zone Fire 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.

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

Outputs

Relay Contact Rating: 1 A at 30 VDC

Power Requirements

Current Draw: 1 mA maximum

Ordering Information

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Parts Included

Quantity	Component
1	Input-output module
1	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:	One multiplex address

Environmental Considerations

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

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