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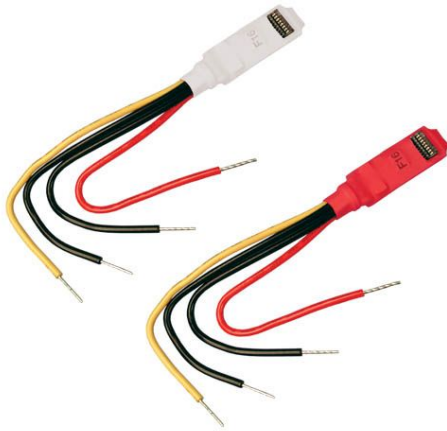
DS7457i Series Single Zone Input Modules

▶ Power-limited and supervised input zones

▶ Compact enough to fit within most back boxes and enclosures

▶ Address settings through DIP switches

The DS7457i Series Single Zone Input Modules includes the DS7457i and the DS7457iF. Each model has a supervised input zone for connecting normally-open (NO) or normally-closed (NC) contacts. The DS7457i Series supervises the contacts using 47 kΩ end-of-line (EOL) resistors. Each model operates with compatible multiplex expansion modules and occupies one multiplex zone address on the system. The DS7457i is designed for intrusion applications while the DS7457iF is designed for fire applications.

Certifications and Approvals

Listings and Approvals for DS7457i Series	UL AMCX: Central Station Burglar Alarm Units (UL1610)
	UL AOTX: Local Burglar Alarm Units and Systems (UL609)
	UL APAW: Police Station Burglar Alarm Units and Systems (UL365)
	UL NBSX: Household Burglar Alarm System Units (UL1023)
Additional Listings and Approvals for DS7457iF	UL UOXX: Control Units for Fire-protective Signaling Systems (UL864)
	UL UTOU: Household Fire Warning System Units (UL985)
	C E

Installation/Configuration Notes

Compatibility Information

Control Panels	D9412GV2, D7412GV2, and D7212GV2 Control Panel
	D9412G , D7412G, and D7212G Control Panels
	D9412, D7412, and D7212 Control Panels
	DS7400Xi Control Panel
Multiplex Modules	D8125MUX Multiplex Bus Interface
	DS7430 Multiplex Expansion Module
	DS7436 Multiplex Expansion Module

The DS7457i Series Modules require a multiplex expansion module to connect to the control panels.

Wiring Considerations

Maximum Impedance: 4.05 Ω at +20℃ (+68℉) 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 intended control panel's installation 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.

Parts Included

Quantity	Component
1	Single-zone input module
1	Literature pack

Technical Specifications

Circuit Parameters

Initiating Circuit Type (DS7457iF):	Class B (Style A)
Signaling Line Circuit Type:	Class B (Style 4)

Environmental Considerations

Temperature (Operating):	0°C to +49°C (+32°F to +120°F)

Power Requirements

Current Draw:	0.5 mA maximum
Voltage (Operating):	8 VDC peak (minimum)

Ordering Information

DS7457i Single Zone Input Module Connects normally-open (NO) or normally-closed (NC) contacts, and supervises the contacts using 47 kΩ end-of-line(EOL) resistors. Designed for intrusion applications.	DS7457i
DS7457iF Single Zone Input Module Connects normally-open (NO) or normally-closed (NC) contacts, and supervises the contacts using 47 kΩ end-of-line(EOL) resistors. Designed for fire applications.	DS7457iF