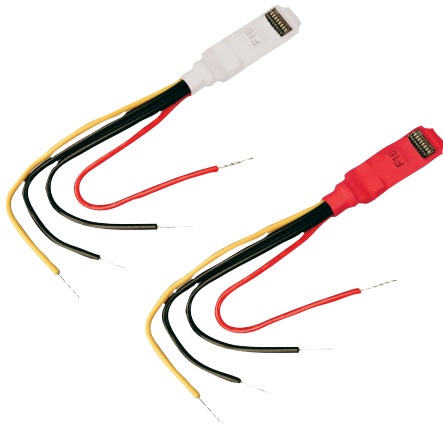




DS7457i Series Single-zone Input Modules

- ▶ 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, the DS7457i-CHI, 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 and the DS7457i-CHI are designed for intrusion applications while the DS7457iF is designed for fire applications.

Certifications and Approvals

Region	Certification
Europe	CE 2004/108/EC EMC Directive (EMC), 2006/95/EC Low-Voltage Directive (LVD)
Belgium	INCERT B-509-0005 (DS7457i only)

Region	Certification
USA	UL DS7457i and DS7457iF: AMCX: Central Station Alarm Units (UL1610, UL1635), AOTX: Local Alarm Units (UL464, UL609), APAW: Police Station Alarm Units (UL365, UL464)
	DS7457iF only: 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 DS7457iF: 7165-1615: 0113 FIRE ALARM CONTROL UNIT (COMMERCIAL)
	DS7457iF: 7165-1615: 0119 FIRE ALARM CONTROL UNIT (COMMERCIAL)
	DS7457iF: 7167-1615: 0239 CONTROL UNIT (HOUSEHOLD)

Installation/Configuration Notes

Compatibility Information

Control Panels	D9412GV3, D7412GV3, and D7212GV3 Control Panels D9412GV2, D7412GV2, and D7212GV2 Control Panels 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°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 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.

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	DS7457i
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.	
DS7457iF Single-zone Input Module	DS7457iF
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.	
DS7457i-CHI Single-zone Input Module for China	DS7457i-CHI
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 in China.	

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)

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