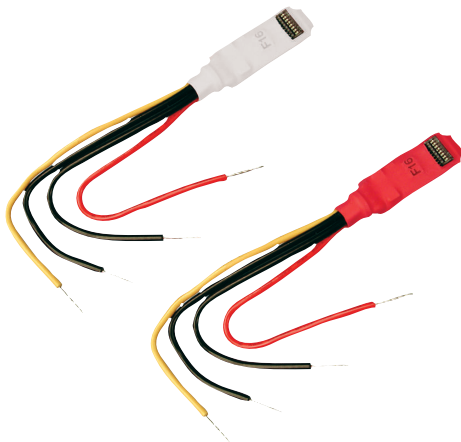


DS7457i Series Single-zone Input Modules

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Invented for life



- ▶ 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) |
| 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) |

| Region | Certification | |
|--------|---------------|--|
| | UL | 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) |
| | CSFM | 7165-1615:0119 |
| | CSFM | 7167-1615:0239 |

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.

Notice

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) |

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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.

Order number **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.

Order number **DS7457iF**