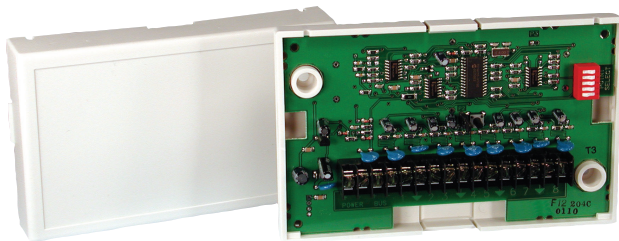


# DS7432 Series Eight-input Remote Modules

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- ▶ Address up to eight input loops
- ▶ Serial dual end-of-line (EOL) wiring with tamper status (DS7432E)

The DS7432 Series Eight-input Remote Modules include the DS7432, the DS7432-CHI, and the DS7432E. All modules address up to eight input loops of conventional contacts to the multiplex bus of the control panel.

The DS7432E has an additional serial dual end-of-line (EOL) wiring configuration. The DS7432E addresses up to sixteen input contacts (alarm and tamper for each loop). The DS7432 and DS7432-CHI each use one 47 kΩ resistor per input. The DS7432E uses 22 kΩ + 47 kΩ per input.

## Certifications and approvals

Region	Regulatory compliance/quality marks
Europe	CE
	CE 2004/108/EC EMC Directive (EMC), 2006/95/EC Low-Voltage Directive (LVD)
USA	UL DS7432: AMCX: Central Station Alarm Units (UL1610, UL1635), APAW: Police Station Alarm Units (UL365, UL464), UOXX: Control Unit Accessories, System (UL864, 9th edition), UTOU: Control Units and Accessories - Household System Type (UL985)

Region	Regulatory compliance/quality marks
	UL UL 985 - Household Fire Warning System Units (6th edition)
	UL UL 864 - Standard for Control Units and Accessories for Fire Alarm Systems (10th edition)
	CSFM California State Fire Marshal (see our website)
NYC-MEA	DS7432: 274-94-E, Vol. IV
NYC-MEA	DS7432: 274-94-E, Vol. III

## Installation/configuration notes

### Compatibility

Control panels	B9512G/B9512G-E B8512G/B8512G-E D9412GV4/D7412GV4 D9412GV3/D7412GV3 D9412GV2/D7412GV2 D9412G/D7412G DS7400XiV4 DS7400Xi
Multiplex modules	D8125MUX Multiplex Bus Interface DS7430 Multiplex Expansion Module DS7436 Multiplex Expansion Module



### Notice

The DS7432E is compatible with the B9512G, B8512G, D9412GV3, D7412GV3, D9412GV2, D7412GV2, D9412G, and D7412G when the PCB jumper is set to DS7432 mode.

### Number of modules

The number of DS7432 Series Modules connected to a system depends on the control panel.

Control Panel	Number of multiplex expansion modules
DS7400Xi	Up to 15
DS7400XiV4	Up to 30
B9512G	Up to 95
B8512G	Up to 85
D9412GV4, D9412GV3, D9412GV2, D9412G	Up to 30
D7412GV3, D7412GV2, D7412G	Up to 8

### Wiring

Refer to the multiplex expansion module's reference guide for multiplex wiring requirements.

Maximum Impedance: 4.05  $\Omega$  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

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.

## Technical specifications

### Circuit parameters

Initiating Device Type:	Class B, Style A
Signaling Line Circuit Type:	Class B, Style 4

### Environmental considerations

Temperature (operating):	0°C to +50°C (+32°F to +122°F)
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### Power requirements

Current draw:	10 mA maximum
DS7432 EOL resistor:	47 k $\Omega$
DS7432E EOL resistor:	22 k $\Omega$ +47 k $\Omega$ per input
Voltage:	12 VDC nominal

## Ordering information

### DS7432E Multiplex module, 8-input

Eight-zone multiplex expander.  
Order number **DS7432E**

### DS7432 Remote module, 8-input

Eight-zone multiplex expander.  
Order number **DS7432**

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