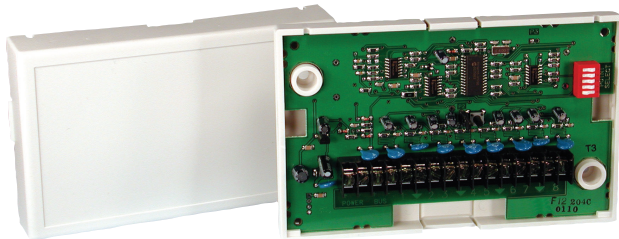


# DS7432 Series Eight-input Remote Modules

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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	Certification	
Europe	CE	1999/5/CE Radio Equipment & Telephone Equipment Directive (R&TTE)
	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	Certification	
	CSFM	7165-1615:0242
	CSFM	7165-1615:0119
	CSFM	7167-1615:0239
	NYC-MEA	DS7432: 274-94-E, Vol. IV
	NYC-MEA	DS7432: 274-94-E, Vol. III

## Installation/configuration notes

### Compatibility Information

The DS7432 Series modules can only connect to the following control panels with an attached multiplex expansion module.

Control Panels	D9412GV3 Control Panel
	D7412GV3 Control Panel
	D9412GV2 Control Panel
	D7412GV2 Control Panel
	D9412G Control Panel
	D7412G Control Panel

	DS7400XiV4 Control Panel
	DS7400Xi Control Panel
Multiplex Modules	D8125MUX Multiplex Bus Interface
	DS7430 Multiplex Expansion Module
	DS7436 Multiplex Expansion Module

**Notice**

The DS7432E is compatible with the 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
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.

**Parts included**

Quantity	Component
1	Eight-input remote module
1	Literature pack

**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 Eight-Input Remote Module**

Includes serial dual end-of-line (EOL) wiring configuration. Addresses up to sixteen input contacts (alarm and tamper for each loop).

Order number **DS7432E**

**DS7432 Eight-Input Remote Module**

Addresses up to eight input loops of conventional contacts to the multiplex bus of the control panel.

Order number **DS7432**

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