

DS7461i Single-zone Input Module

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Invented for life

- ▶ Supervises one power-limited protection loop
- ▶ Can be used in UL Listed fire and security applications
- ▶ DIP switch programmable

The DS7461i Single-zone Input Module works with compatible multiplex systems and uses one multiplex zone address. It is DIP switch programmable and provides a supervised input zone to connect conventional normally-open (NO) or normally-closed (NC) inputs.

Functions

Supervised Protection Loop

The power-limited protection zone is designed to monitor NO or NC dry contacts. It is supervised using 47 kΩ end-of-line (EOL) resistors.

The protection zone may be used as a magnetic contact by mounting a magnet in conjunction with the reed switch and removing the EOL resistor for the protection zone. The protection zone may not be used as a magnetic contact and used to monitor other contacts at the same time.

Certifications and approvals

Region	Certification	
Europe	CE	2004/108/EC EMC Directive (EMC), 2006/95/EC Low-Voltage Directive (LVD)
USA	UL	AMCX: Central Station Alarm Units (UL1610, UL1635), APAW: Police Station Alarm Units (UL365, UL464),

Region	Certification	
		UOXX: Control Unit Accessories, System (UL864, 9th edition), UTOU: Control Units and Accessories - Household System Type (UL985)
	CSFM	7165-1615:0242
	CSFM	7165-1615:0238
	CSFM	7165-1615:0119
	CSFM	7167-1615:0239

Installation/configuration notes

Compatibility Information

Control Panels	D9412GV2, D7412GV2, and D7212GV2 Control Panel
	D9412G, D7412G, and D7212G Control Panel
	D9124 Fire Alarm Control Panel
	DS7400Xi Control Panel
Multiplex Modules	D8125MUX Multiplex Bus Interface
	DS7430 Multiplex Expansion Module
	DS7436 Multiplex Expansion Module

The DS7461i Series Modules require a multiplex expansion module to connect to the control panels.

Fire Applications

For UL Listed fire installations, normally-open (NO) contacts must be used. For fire installations, order Multiplex-zone Fire EOL Resistors (P/N: 28010) in the quantity needed.

Wiring

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 multiplex expansion module's reference 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	Multiplex-zone EOL resistor (P/N: 26069)
1	Hardware pack
1	Literature pack

Technical specifications**Circuit Parameters**

Initiating Device Circuit Type:	Class B (Style A)
Signaling Line Circuit Type:	Class B (Style 4)
Zone Requirements:	One multiplex address

Environmental Considerations

Temperature (Operating):	0°C to +50°C (32°F to +122°F)
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Power Requirements

Current Draw:	0.5 mA maximum
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Ordering information**DS7461i Single-zone Input Module**

Provides a supervised input zone to connect conventional normally-open (NO) or normally-closed (NC) inputs. DIP switch programmable.

Order number **DS7461i**

Represented by:

Americas:

Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
security.sales@us.bosch.com
www.boschsecurity.us

Europe, Middle East, Africa:

Bosch Security Systems B.V.
P.O. Box 80002
5617 BA Eindhoven, The Netherlands
Phone: + 31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific:

Robert Bosch (SEA) Pte Ltd, Security
Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia

China:

Bosch (Shanghai) Security Systems Ltd.
201 Building, No. 333 Fuquan Road
North IBP
Changning District, Shanghai
200335 China
Phone +86 21 22181111
Fax: +86 21 22182398
www.boschsecurity.com.cn

America Latina:

Robert Bosch Ltda Security Systems Division
Via Anhanguera, Km 98
CEP 13065-900
Campinas, Sao Paulo, Brazil
Phone: +55 19 2103 2860
Fax: +55 19 2103 2862
latam.boschsecurity@bosch.com
www.boschsecurity.com