

DS7465i Input-Output Module

www.boschsecurity.com



BOSCH

Invented for life

- ▶ Supervises one power-limited input zone
- ▶ Provides one output relay
- ▶ Can be used in UL Listed fire and security applications
- ▶ DIP switch programmable

The DS7465i Input-Output Module works with compatible multiplex systems and uses two multiplex zone addresses. It supplies a DIP switch programmable Form C relay (output zone) that activates on several different system events. The DS7465i Module provides an input zone for monitoring conventional normally-open (NO) or normally-closed (NC) contacts. The module reports the contact status as a multiplex address to the control panel. Use up to sixty DS7465i Modules with compatible control panels or multiplex expansion modules.

Functions

Supervised Input Zone

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

Output Relay

Use the output relay only on power-limited circuits. The relay contacts are rated 1 A at 30 VDC for resistive loads. Do not use the output relay with inductive or capacitive loads.

Certifications and approvals

Region	Certification	
Europe	CE	2004/108/EC EMC Directive (EMC), 2006/95/EC Low-Voltage Directive (LVD)
	CE	2004/108/EC EMC Directive (EMC), 2006/95/EC Low-Voltage Directive (LVD)
USA	UL	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	7165-1615: 113, 7165-1615: 119
	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 DS7465i 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	Input-output 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)
--------------------------	-------------------------------

Outputs

Relay Contact Rating:	1 A at 30 VDC
-----------------------	---------------

Power Requirements

Current Draw:	1 mA maximum
---------------	--------------

Ordering information**DS7465i Input-Output Module**

Supervises one power-limited input zone and provides one output relay. DIP switch programmable. Designed for fire and security applications.
Order number **DS7465i**

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