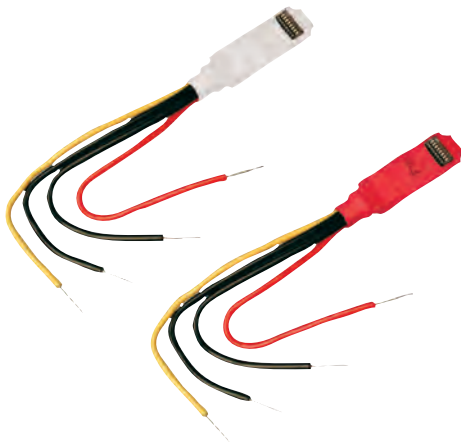


DS7457i Series Single-zone Input Modules

www.boschsecurity.com



BOSCH
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	California State Fire Marshal (see our website)

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)

Ordering information

DS7457i Single-zone Input Module

Single zone input module.

Order number **DS7457i**

DS7457iF Single-zone Input Module

Single zone input module.

Order number **DS7457iF**

Represented by:

Europe, Middle East, Africa:
Bosch Security Systems B.V.
P.O. Box 80002
5600 JB Eindhoven, The Netherlands
Phone: + 31 40 2577 284
emea.securitysystems@bosch.com
emea.boschsecurity.com

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

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