B208 Octo-input Module

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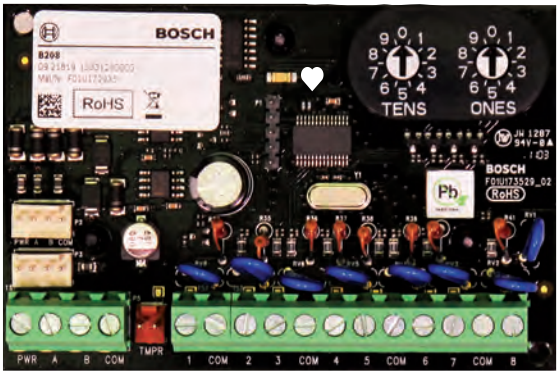

- Programmable input point functions
- Easy to read switch addressing
- 2 interconnect wiring connectors
- Provides eight points

The B208 Octo-input Module is an 8 point expansion device that connects to the control panel through the SDI2 bus. This module is fully supervised and communicates back to the control panel all point status changes. The module expansion points operate the same as the points on the control panel. Industrial, commercial, and institutional facilities are typical installations for the B208 module. The B208 connects to the SDI2 bus on the control panel using SDI2 terminals, or using the interconnect cable. You can connect multiple B208 modules to a single control panel. The B208 address switches allow for ease of use in device addressing.

System overview

The B208 Octo-input Module connects to a control panel through the SDI2 bus. This module is supervised and communicates back to the control panel all point status changes. The module's expansion points operate the same as the points on the control panel.

Functions

Loop inputs
The B208 uses up to eight inputs which may be Normally Open (NO), or Normally Closed (NC) with 1k Ω EOL resistor(s) for supervision.

Certifications and approvals

Region	Certification	
Australia	RCM	ACMA
Europe	CE	EMC, RoHS
USA	UL	
	UL	UL 365 - Police Station Connected Burglar Alarm Units
	UL	UL 609 - Standard for Local Burglar Alarm Units and Systems
	UL	UL 636 - Holdup Alarm Units and Systems
	UL	UL 864 - Standard for Control Units and Accessories for Fire Alarm Systems
	UL	UL 985 - Household Fire Warning System Units
	UL	UL 1023 - Household Burglar Alarm System Units
	UL	UL 1076 - Proprietary Burglar Alarm Units and Systems
	UL	UL 1610 - Central Station Burglar Alarm Units
	FM	FM 3010 - Fire Alarm Signaling Systems
	CSFM	see our website

Region	Certification	
	FCC	Part 15 Class B
	FDNY-CoA	6174
	FDNY-CoA	6196
Canada	ULC	CAN/ULC S303 - Local Burglar Alarm Units and Systems
	ULC	CAN/ULC S304 - Standard for Signal Receiving Center and Premise Burglar Alarm
	ULC	ULC-ORD C1023 - Household Burglar Alarm System Units
	ULC	ULC-ORD C1076 - Proprietary Burglar Alarm Units and Systems
	IC	ICES-003 - Information Technology Equipment (ITE)

Installation/configuration notes

Wiring considerations

The module to the control panel using the PWR, A, B, COM terminals on the control panel using the screw terminal strip or the interconnect wiring connector. Use 12 AWG to 22 AWG (1.5 mm to 0.6 mm) wires from the module to the control panel.

Compatibility

For UL 864 compliance, use a UL commercial fire approved control panel.

Control panels	B9512G/B9512G-E (Up to 59 modules) B8512G/B8512G-E (Up to 9 modules) B6512 (Up to 9 modules) B5512/B5512E (Up to 4 modules) B4512/B4512E (Up to 2 modules) D9412GV4 (Up to 24 modules) D7412GV4 (Up to 7 modules) D7212GV4 (Up to 3 modules)

Parts included

Quantity	Component
1	Module
1	Hardware pack
1	Interconnect cable
1	Installation manual

Technical specifications

Properties

Dimensions	2.5 in x 3.8 in x 0.60 in (6.37 cm x 9.6 cm x 1.5 cm)

Environmental considerations

Relative humidity	5% to 93% at +32°C (+90°F)
Temperature (operating)	0°C to +49°C (+32°F to +120°F)

Power requirements

Current	35 mA
Voltage	12 VDC nominal

Wiring

SDI2 wiring	Maximum distance – Wire size (unshielded wire only): 1000 ft (305 m) – 22 AWG (0.65 mm) 1000 ft (305 m) – 18 AWG (1.02 mm) Unshielded wire only

Loop inputs

Loop Inputs	Up to eight inputs. Input contacts may be Normally Open (NO) or Normally Closed (NC) with 1kΩ EOL resistor(s) for supervision. Note: Normally Closed (NC) is not permitted in Fire installations.

Ordering information

B208 Octo-input Module
Provides 8 programmable inputs.
Order number **B208**

Represented by:

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