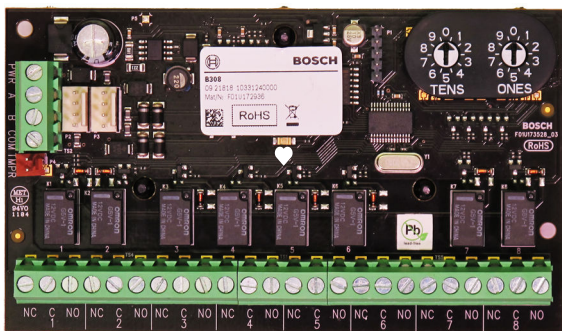


# B308 Octo-output Module

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- ▶ Programmable output functions
- ▶ Easy to read switch addressing
- ▶ Provides eight Form C relays
- ▶ 1 A at 5-24 VDC relay contact rating
- ▶ Allows remote control of outputs

The B308 Octo-output Module is suitable for applications requiring Form C outputs to operate auxiliary systems or to display fire system status at remote annunciators. The B308 can interface with building components such as HVAC, door lock releases, and stairwell pressurization for complete system control and monitoring.

Industrial, commercial, and institutional facilities are typical installations for the B308 module. The eight on-board outputs can be programmed to activate on system alarm, system trouble, individual zone or point faults, and through remote control by authorized users.

## System overview

The B308 Octo-output Module provides eight programmable outputs. Each relay provides dry contact switching rated for 1.0 A at 5-24 VDC. The outputs are accessed through on-board screw terminal connections.

The B308 is compatible with the SDI2 bus. The on-board switches are used to specify module addresses. Control panel programming will determine output response to specific events.

The B308 receives serial data from the control panel and activates outputs in response to control panel conditions and settings. Outputs can be programmed for remote control from a keypad.

## Functions

### Output Relays

Each output provides a normally-open and a normally-closed output. Outputs can be configured in control panel programming to indicate system events.

## Certifications and approvals

The following table lists regulatory approvals by region.

Region	
US	UL 365 - Police Station Connected Burglar Alarm Units and Systems
	UL 609 - Local Burglar Alarm Units and Systems
	UL 864 - Control Units and Accessories for Fire Alarm Systems (Commercial Fire)
	UL 985 - Household Fire Warning System Units
	UL 1023 - Household Burglar Alarm System Units
	UL 1076 - Proprietary Burglar Alarm Units and Systems

UL 1610 - Central Station Burglar Alarm Units
CSFM - California Office of The State Fire Marshall
FCC Part 15 Class B
FDNY - Fire Department of New York
FM 3010 - Fire Alarm Signaling Systems
Canada
CAN/ULC S303 - Local Burglar Alarm Units and Systems
CAN/ULC S304 - Signal Receiving Centre and Premise
ICES-003 - Information Technology Equipment (ITE)
ULC-ORD C1023 - Household Burglar Alarm System Units
ULC-ORD C1076 - Proprietary Burglar Alarm Units and System

The following table lists the certificates available for download from the Product Page at [www.boschsecurity.com](http://www.boschsecurity.com).

Region	Certification
USA	UL 20130109-S5579; UL 864 - Control Units and Accessories for Fire Alarm Systems; UL 636 - Holdup Alarm Units and Systems; UL 1076 - Proprietary Burglar Alarm Units and Systems; UL 1610 - Central Station Burglar Alarm Units; UL 365 - Police Station Connected Burglar Alarm Units and Systems; UL 609 - Local Burglar Alarm Units and Systems; UL985 - Residential Fire Warning System Control Units; UL 1023 - Household Burglar-Alarm System Units; ULC/ORD C1076 - Proprietary Burglar Alarm Units and Systems; ULC-S304-06 - Signal Receiving Centre and Premise Burglar Alarm Control Units; ULC-S303-M91 - Local Burglar alarm Units and Systems; ULC-ORD C1023 - Household Burglar Alarm System Units
	CSFM see our website
	FDNY-CoA #6174 UL 864 9th Edition

### Installation/configuration notes

#### Mounting considerations

Mount the B308 Octo-input module onto a variety of control panel enclosures including: B5512, B4512, D9412GV4, D7412GV4, D7212GV4 control panels, and D203 remote enclosure. Remote mounting, at longer distances is a benefit of the new SDI2 bus. Up to four B308 Octo-output Modules can be mounted in a control panel enclosure using the 3-hole mounting pattern. For additional modules, use the optional D137 Mounting Bracket.

#### Wiring considerations

The B308 connects to a control panel using the PWR, A, B, COM terminals on the control panel using the screw terminal strip or the pluggable interconnect wiring connector. Use 12 AWG to 22 AWG (1.5 mm to

0.6 mm) wires from the module to the control panel. Observe relay specifications (up to 24 VDC), verifying not to exceed the relay ratings.

### Parts included

Quantity	Component
1	Octo-output module
1	Interconnect wiring connector
1	Hardware pack
1	Literature pack

### Technical specifications

#### Properties

Dimensions	2.9 in x 5.0 in x 0.60 in (7.35 cm x 12.7 cm x 1.5 cm)
Weight	5 oz (0.14 kg)

#### 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 (maximum)	Alarm: 150 mA (22 mA for digital section + 16 mA per energized relay)
Relay outputs	Dry contacts rated for .001 to 1.0 A at 5 to 24 VDC (resistive load).
Voltage	12 VDC nominal

#### Wiring

Terminal wire size	12 AWG to 22 AWG (2.0 mm to 0.65 mm)
SDI2 wiring	Maximum distance – Wire size (unshielded wire only): 400 ft (137 m) – 22 AWG (0.65 mm) 1000 ft (305 m) – 18 AWG (2 mm)

#### 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) B5512/B5512E (Up to 5 modules) B4512/B4512E (Up to 3 modules) D9412GV4 (Up to 12 modules) D7412GV4 (Up to 6 modules) D7212GV4 (Up to 2 modules)
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### Ordering information

#### B308 Octo-output Module

Provides 8 programmable relays.  
Order number **B308**

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