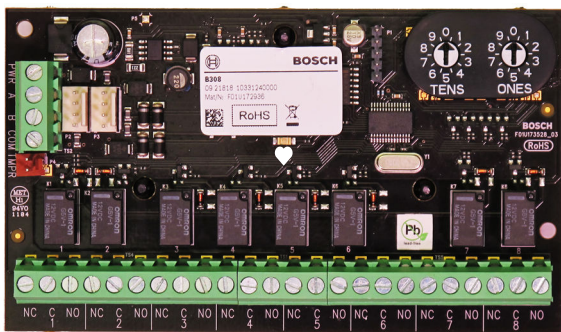


# B308 Octo-output Module

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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

| Region | Certification   |                                                                            |
|--------|-----------------|----------------------------------------------------------------------------|
| USA    | UL              |                                                                            |
|        | UL              | UL 365 - Police Station Connected Burglar Alarm Units                      |
|        | UL              | UL 609 - Standard for Local Burglar 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                              |
| 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            | Industry Canada - ICES-003 - Information Technology Equipment (ITE)           |

### 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<br>(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):<br>400 ft (137 m) – 22 AWG (0.65 mm)<br>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)<br>B8512G/B8512G-E (Up to 9 modules)<br>B5512/B5512E (Up to 5 modules)<br>B4512/B4512E (Up to 3 modules)<br>D9412GV4 (Up to 12 modules)<br>D7412GV4 (Up to 6 modules)<br>D7212GV4 (Up to 2 modules) |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Ordering information

#### B308 Octo-output Module

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

**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.  
203 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