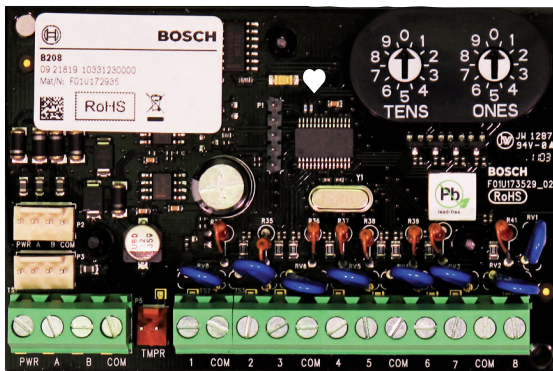


B208 Octo-input Module

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Invented for life



- ▶ Programmable input point functions
- ▶ Easy to read switch addressing
- ▶ Quick modular interconnect wiring connector
- ▶ 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's expansion points operate the same as the points on the control. Industrial, commercial, and institutional facilities are typical installations for the B208 module. The B208 Octo-input Modules connect to the SDI2 bus on the control panel using Terminals 33 through 36, or using the interconnect cable. You can connect multiple B208 modules to a single control panel. The B208 switches allow for ease of use in device addressing.

System overview

The B208 Octo-input Module connects to B5512, B4512, D9412GV4, D7412GV4 and D7212GV4 control panels 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

USA:

FCC Part 15 Class B

| | |
|---------|--|
| UL 365 | Police Station Connected Burglar Alarm Units and Systems |
| UL 609 | Local Burglar Alarm Units and Systems |
| UL 1023 | Household Burglar Alarm System Units |
| UL 1076 | Proprietary Burglar Alarm Units and Systems |
| UL 1610 | Central Station Burglar Alarm Units |
| UL 864 | Control Units and Accessories for Fire Alarm Systems |
| UL 985 | Household Fire Warning System Units |
| CSFM | California Office of The State Fire Marshall |

FM approval 3010

| 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 | 7167-1615:0243 7167 -- CONTROL UNIT (HOUSEHOLD) |
| | CSFM | 7165-1615:0242 7165 -- FIRE ALARM CONTROL UNIT (COMMERCIAL) |
| | FDNY-CoA | #6174 UL 864 9th Edition |

Installation/configuration notes

Compatibility information

| | |
|----------------|-----------------------------|
| Control panels | B5512 (Up to 4 modules) |
| | B4512 (Up to 2 modules) |
| | D9412GV4 (Up to 24 modules) |
| | D7412GV4 (Up to 7 modules) |
| | D7212GV4 (Up to 3 modules) |



Notice

The D9412GV5/D7412GV4 are only listed for commercial fire applications.

Mounting considerations

Mount the B208 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 B208 Octo-input 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 B208 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.

Parts included

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

Technical specifications

Properties

| | |
|------------------------------|---|
| Board dimensions | 2.5 in x 3.8 in x 0.60 in (6.37 cm x 9.6 cm x 1.5 cm) |
| Maximum distance – Wire size | 1000 ft (305 m) – 22 AWG (0.65 mm) 1000 ft (305 m) – 18 AWG (2 mm) Unshielded wire only |

Power requirements

| | |
|---------|----------------|
| Current | 35 mA maximum |
| Voltage | 12 VDC nominal |

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**

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