

## 1 | Overview

The B208 Octo-input Module is an 8 point supervised expansion device that connects to control panels through the SDI2 bus. This module communicates back to the control panel all point status changes. The inputs are accessed through on-board screw terminal connections. The on-board switches are used to specify module addresses.

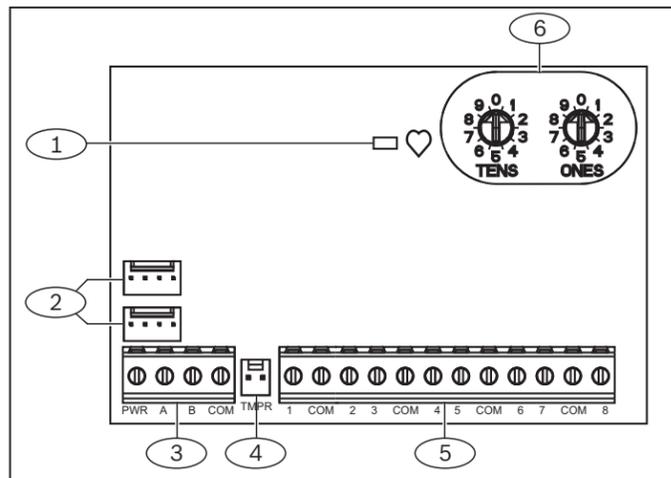


Figure 1.1: Board overview

### Callout – Description

- 1 – Heartbeat LED (blue)
- 2 – SDI2 interconnect wiring connectors (to control panel or additional modules)
- 3 – SDI2 terminal strip (to control panel or additional modules)
- 4 – Tamper switch connector
- 5 – Terminal connector (point inputs)
- 6 – Address switches

## 2 | SDI2 address settings

Two address switches determine the address for the B208 Octo-input Module. The control panel uses the address for communications. The address also determines the output numbers. Use a slotted screwdriver to set the two address switches.



### NOTICE!

The module reads the address switch setting only during power up. If you change the switches after you apply power to the module, you must cycle the power to the module in order for the new setting to be enabled.

Set the address switches per the control panel configuration. If multiple B208 modules reside on the same system, each B208 module must have a unique address.



Figure 2.1: Address switches

The module's address switches provide a tens and ones value for the module's address. For single-digit address numbers 1 through 9, set the tens switch to 0 and the ones digit to the appropriate number. Figure 2.1 shows the address switches setting for addresses 1 and 11.

## 2.1 | Valid addresses and input numbers per control panel

Valid B208 addresses are dependent on the number of points allowed by a particular control panel.

Control panel	Valid B208 addresses	Corresponding point numbers
B5512	01 - 04	11 - 18, 21 - 28, 31 - 38, 41 - 48
B4512	01 - 02	11 - 18, 21 - 28
D9412GV4	01 - 24	11 - 18, 21 - 28, 31 - 38, 41 - 48, 51 - 58, 61 - 68, 71 - 78, 81 - 88, 91 - 98, 101 - 108, 111 - 118, 121 - 127, 131 - 138, 141 - 148, 151 - 158, 161 - 168, 171 - 178, 181 - 188, 191 - 198, 201 - 208, 211 - 218, 221 - 228, 231 - 238, 241 - 247
D7412GV4	01 - 07	11 - 18, 21 - 28, 31 - 38, 41 - 48, 51 - 58, 61 - 68, 71 - 75
D7212GV4	01 - 03	11 - 18, 21 - 28, 31 - 38

To determine the point numbers for each address, multiply the address number by 10 for the base number, and then use numbers 1 through 8 in the ones place for the point numbers.

### Examples

For B208 address **01** the point numbers for the input devices are 11 through 18:

Terminal no	1	2	3	4	5	6	7	8
Input no	11	12	13	14	15	16	17	18

For B208 address **11** the point numbers for the input devices are 111 through 118:

Terminal no	1	2	3	4	5	6	7	8
Input no	111	112	113	114	115	116	117	118

## 3 | Installation

After you set the address switches for the proper address, install the module in the enclosure, and then wire it to the control panel.



### NOTICE!

Remove all power (AC and battery) before making any connections. Failure to do so might result in personal injury and/or equipment damage.

### 3.1 | Mount the module in the enclosure

Mount the module into the enclosure's 3-hole mounting pattern using the supplied mounting screws and mounting bracket. Refer to Figure 3.1.

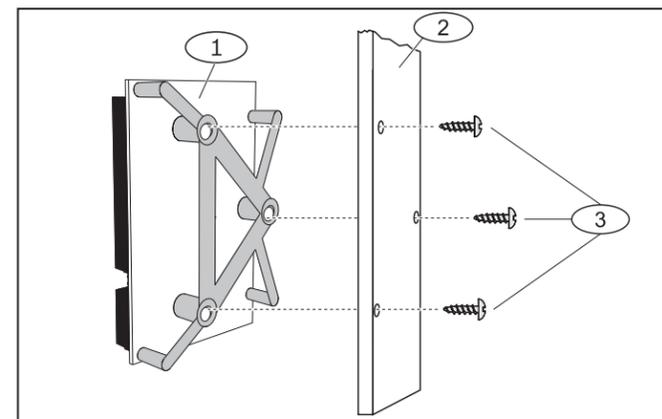


Figure 3.1: Mounting the module in the enclosure

### Callout – Description

- 1 – Module with mounting bracket installed
- 2 – Enclosure
- 3 – Mounting screws (3)

### 3.2 | Mount and wire the tamper switch

You can connect an optional enclosure door tamper switch for one module in an enclosure.

Installing the optional tamper switch:

1. Mount the ICP-EZTS Tamper Switch (P/N: F01U009269) into the enclosure's tamper switch mounting location. For complete instructions, refer to *EZTS Cover and Wall Tamper Switch Installation Guide* (P/N: F01U003734).
2. Plug the tamper switch wire onto the module's tamper switch connector. Refer to Figure 1.1.

### 3.3 | Wire to the control panel

When you wire the module to a control panel, you can use either the module's terminal strip labeled with PWR, A, B, and COM, or the module's interconnect wiring connectors (wire included). Interconnect wiring parallels the PWR, A, B, and COM terminals on the terminal strip. Figure 1.1 indicates the location of both the terminal strip and the interconnect connectors on the module. Refer to Figures 3.2, 3.3, and 3.4.



### NOTICE!

Use either the terminal strip wiring **or** interconnect wiring connector to the control panel. Do not use both. When connecting multiple modules, you can combine terminal strip and interconnect wiring connectors in series.

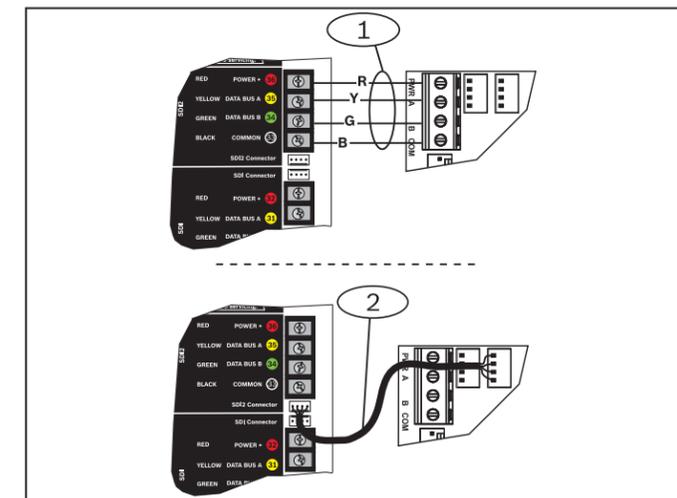


Figure 3.2: Using terminal strip or interconnect cable wiring (D9412GV4 shown)

### Callout – Description

- 1 – Terminal strip wiring (SDI2)
- 2 – Interconnect cable (P/N: F01U079745) (included)

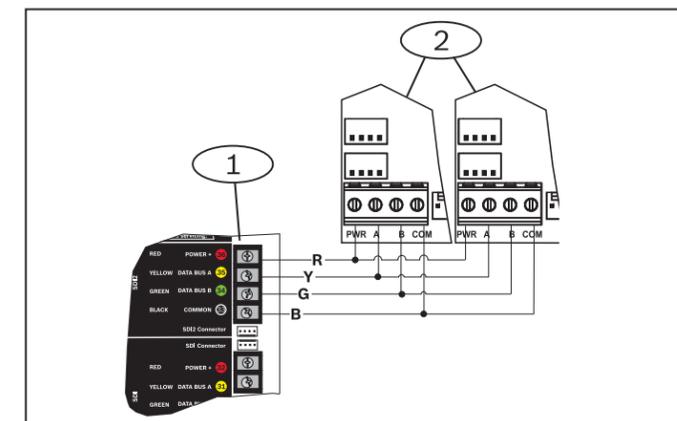


Figure 3.3: Installing multiple modules using the SDI2 terminal strip (D9412GV4 shown)

### Callout – Description

- 1 – Bosch control panel
- 2 – B208 modules

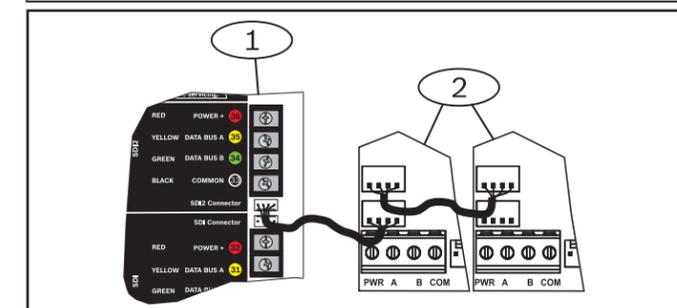


Figure 3.4: Installing multiple modules using the SDI2 interconnect wiring connector (D9412GV4 shown)

### Callout – Description

- 1 – Bosch control panel
- 2 – B208 modules

