1 | Overview

This module is an 8-point supervised expansion device that connects to control panels through the SDI2 bus.

2 | SDI2 address settings

NOTICE!
The module reads the switch setting only during power up. Cycle the power to the module to enable the new setting.

Set the switches per the control panel configuration. Each B208 module must have a unique address. For single-digit address numbers 1 through 9, set the tens digit to the appropriate number. For examples, refer to Section 5.

To calculate 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. For examples, refer to Section 5.

3 | Installation

3.1 | Install the module in the enclosure

1. Put the ICP-EZTS Tamper Switch (P/N: F01U009269) into the enclosure’s tamper switch mounting location.

2. Connect the wiring onto the module’s tamper switch connector.

3.2 | Install and wire the tamper switch

1. Put the ICP-EZTS Tamper Switch (P/N: F01U009269) into the enclosure’s tamper switch mounting location.

2. Connect the wiring onto the module’s tamper switch connector.

3.3 | Attach to the control panel

Use the module’s terminal strip labeled with PWR, A, B, and COM, or the module’s interconnect wiring connectors (wire included) to attach to the control panel. Interconnect wiring parallels the PWR, A, B, and COM terminals on the terminal strip. Refer to the following illustrations for wiring.

3.4 | Sensor loop wiring

Wire resistance on each sensor loop must be less than 100 Ω with the detection devices connected. The terminal strip supports 12 to 22 AWG (0.65 to 2 mm) wires. The B208 detects open, short, normal, and ground fault circuit conditions on its sensor loops and transmits the conditions to the control panel. Each sensor loop is assigned a point number and transmits to the control panel individually. Run wires away from the premises telephone and AC wiring. For the 1 kΩ dual EOL resistor circuit style order ICP-1K22AWG-10, a package of 10 1.0 kΩ EOL resistors.

3.5 | Connect to the control panel

Use either the module’s terminal strip labeled with PWR, A, B, and COM, or the module’s interconnect wiring connectors (wire included) to attach to the control panel. Interconnect wiring parallels the PWR, A, B, and COM terminals on the terminal strip. Refer to the following illustrations for wiring.

Notice!

Connect the wiring to the control panel. Each sensor loop is assigned a point number and transmits to the control panel individually. Run wires away from the premises telephone and AC wiring. For the 1 kΩ dual EOL resistor circuit style order ICP-1K22AWG-10, a package of 10 1.0 kΩ EOL resistors.

4 | Sensor loop wiring

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4.1 | Install and wire the tamper switch

1. Put the ICP-EZTS Tamper Switch (P/N: F01U009269) into the enclosure’s tamper switch mounting location.

2. Connect the wiring onto the module’s tamper switch connector.

4.2 | Attach to the control panel

Use the module’s terminal strip labeled with PWR, A, B, and COM, or the module’s interconnect wiring connectors (wire included) to attach to the control panel. Interconnect wiring parallels the PWR, A, B, and COM terminals on the terminal strip. Refer to the following illustrations for wiring.

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5 | Control panel

B208 module

1 | Controls

2 | Connectors

3 | Connectors

4 | Connectors

5 | Connectors

6 | Connectors

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3.1 | Install the module in the enclosure

1. Put the ICP-EZTS Tamper Switch (P/N: F01U009269) into the enclosure’s tamper switch mounting location.

2. Connect the wiring onto the module’s tamper switch connector.

3.2 | Install and wire the tamper switch

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

<table>
<thead>
<tr>
<th>Terminal no</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input no</td>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Terminal no</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input no</td>
<td>111</td>
<td>112</td>
<td>113</td>
<td>114</td>
<td>115</td>
<td>116</td>
<td>117</td>
<td>118</td>
</tr>
</tbody>
</table>

With a tamper switch:
1. Open the enclosure door.
2. Push and release the switch (Refer to the control panel installation document for number of supported devices.)

With a tamper switch:

1. Quickly short the tamper pins.
2. Push and release the switch

Loop End-of-Line (EOL) resistance
1 kΩ, 2 kΩ, No EOL (Dual 1 kΩ + 1 kΩ)

Loop wiring resistance
100 Ω maximum

Loop states
- Short: 0 - 1 VDC
- Normal: 1.25 - 1.9 VDC
- Open: 2.25 - 5 VDC

Terminal wire size
12 AWG to 22 AWG (2 mm to 0.65 mm)

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)

Compatibility
- B9512G/B9512G-E
- B8512G/B8512G-E
- B8512
- 85512/B5512E
- 85512/B5512E
- D912G/V4
- D712G/V4
- D712G/V4
- (Refer to the control panel installation document for number of supported devices.)

Octo-input Module B208