1 | Overview

This keypad is an SDI2 bus compatible.

2 | SDI2 address switches

Two switches set the address for the keypad. The control panel uses the address for communication.

2.1 | Access the address switches

1. Use a slotted screwdriver. Turn the lock counter-clockwise.
2. Push down on the keypad to remove it from the base.
3. Find the switches on the back of the keypad. Refer to the following illustrations.

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

3 | Installation

3.1 | Install the keypad

You can surface install the keypad, or install it to standard electrical boxes, including single gang boxes.

1. Use the base as a template to mark surface.
2. Pull the wiring through the opening in the base.
3. Use the mounting hardware to attach.

3.2 | Attaching to the control panel


Keypads can be wired directly to the control panel or from keypad to keypad.

Adjusting nightlight (for control panels with version 2.01 or higher):

1. Press [MENU] or press [CMD][8] to open the Main menu.
2. Use [NEXT] to go to the Press 5 for Settings Menu option, or simply press [5].
3. Use [NEXT] to go to the Press 4 for Keypad Config option, or simply press [4].
5. Use [PREV] or [NEXT] to adjust the brightness level. The changes apply immediately.
6. Press [ESC] to exit the menu.

Adjusting the brightness:
1. Press [MENU] or press [CMD][8] to open the Main menu.
2. Use [NEXT] to go to the Press 5 for Settings Menu option, or simply press [5].
3. Use [NEXT] to go to the Press 4 for Keypad Config option, or simply press [4].
5. Use [PREV] or [NEXT] to adjust the brightness level. The changes apply immediately.
6. Press [ESC] to exit the menu.

4 | Display

4.1 | SDI2 address switches

Two switches set the address for the keypad. The control panel uses the address for communication.

Each SDI2 keypad must have a unique address. For single-digit addresses 1 through 9, set the tens switch to 0. The following illustration shows the address switch setting for address 1.

3 | Status indicators

Status Indicator | Function
--- | ---
| | Ready to turn on (arm)
| | Turned on (armed)
GAS | Gas alarm
AC (Mains) power present
Fire keypad indicator | Function
| | Fire alarm
| | Silenced
| | Supervisory condition
| | System trouble
### 6 | Audible tones

The keypad has a built-in speaker that produces several distinct warning tones.

<table>
<thead>
<tr>
<th>Tone</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire alarm</td>
<td>Emits a pulsed, high-pitched bell tone.</td>
</tr>
<tr>
<td>Gas alarm</td>
<td>Emits a unique high pitched tone.</td>
</tr>
<tr>
<td>User alarm</td>
<td>The tone sounds for the programmed amount of time.</td>
</tr>
<tr>
<td>Burglary alarm</td>
<td>Emits a steady, high pitched bell tone.</td>
</tr>
<tr>
<td>Entry delay</td>
<td>Emits an intermittent beep tone during entry delay.</td>
</tr>
<tr>
<td>Exit delay</td>
<td>Emits an intermittent beep tone during exit delay.</td>
</tr>
<tr>
<td>Invalid button buzz</td>
<td>Emits a flat buzz tone.</td>
</tr>
<tr>
<td>Keypress</td>
<td>Emits a muted beep tone.</td>
</tr>
<tr>
<td>Trouble</td>
<td>Emits a two-tone warble until you enter a programmed passcode.</td>
</tr>
<tr>
<td>Watch point fault</td>
<td>Emits a single clean tweedle tone.</td>
</tr>
</tbody>
</table>

### 11 | Specifications

- **Dimensions**: 6.2 in x 4.7 in x 1 in (158 mm x 120 mm x 26 mm)
- **Voltage (input)**: 12 VDC nominal
- **Current (maximum)**:
  - Standby: 35 mA
  - Alarm: 70 mA
- **Operating temperature**: 0°C to +50°C (+32°F to +122°F)
- **Relative humidity**: 5% to 93% at +32°C (+90°F) non-condensing
- **Terminal wire size**: 12 AWG to 22 AWG (2 mm to 0.65 mm)
- **SDI2 wiring**: Maximum distance - wire size:
  - 1000 ft (305 m) - 22 AWG (0.65 mm)
- **Compatibility**: B9512G/B9512G-E
  
- B8512G/B8512G-E
  
  (Refer to the compatible control panel installation document for device capacity.)

### 7 | Supervision

The control panel supervises all SDI2 devices. Any device that fails to respond will be declared missing.

### 8 | Firmware version

1. To remove power to the keypad, remove it from the base.
2. Return the keypad to the base to restore power.

The keypad shows the model number, keypad address, and firmware version for 10 seconds.

**NOTICE!**

You can also view a keypad’s firmware version in RPS.

### 9 | Keypad cleaning

Use a soft cloth or a non-abrasive cleaning solution. Spray the cleaner onto the cloth, not the keypad.

### 10 | Certifications

- **Region**: US
  
  - UL 305 - Police Station Connected Burglar Alarm Units and Systems
  
  - UL 609 - Local Burglar Alarm Units and Systems
  
  - UL 636 - Holdup Alarm Units and Systems
  
  - UL 864 - Control Units and Accessories for Fire Alarm Systems
  
  - 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 Marshal
  
  - FCC Part 15 Class B

### 11 | Specifications

- **Dimensions**: 6.2 in x 4.7 in x 1 in (158 mm x 120 mm x 26 mm)
- **Voltage (input)**: 12 VDC nominal
- **Current (maximum)**:
  - Standby: 35 mA
  - Alarm: 70 mA
- **Operating temperature**: 0°C to +50°C (+32°F to +122°F)
- **Relative humidity**: 5% to 93% at +32°C (+90°F) non-condensing
- **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)
- **Compatibility**: B9512G/B9512G-E
  
  - B8512G/B8512G-E
  
  (Refer to the compatible control panel installation document for device capacity.)

### Copyright

This document is the intellectual property of Bosch Security Systems, Inc. and is protected by copyright. All rights reserved.

### Trademarks

All hardware and software product names used in this document are likely to be registered trademarks and must be treated accordingly.

### Bosch Security Systems, Inc. product manufacturing dates

Use the serial number located on the product label and refer to the Bosch Security Systems, Inc. website at http://www.boschsecurity.com/datecodes/.