The B915 keypad is an SDI2 bus compatible device. Each keypad has a display that shows two-line system messages, and user adjustable options such as volume and backlight. The keypad connects to the SDI2 bus on the control panel using terminal wiring. You can connect more than one keypad to the control panel by wiring them in parallel. You can program, diagnose, and troubleshoot the system from the control panel keypad as well as remotely through RPS.

### 2 | SDI2 address switches

DIP switches determine the address for the keypad. The control panel uses the address for communications. Use a ballpoint pen to set the switches.

#### 2.1 | Access the address switches

Removing the mounting plate from the back of the keypad:
1. Insert a slotted screwdriver under the retention clip to release the clip. Do not pry upwards. Refer to Figure 2.1.
2. With your other hand, slide the mounting plate towards the bottom of the keypad to unhook the mounting plate from the keypad. Refer to Figure 2.1.
3. Remove the mounting plate.

#### 2.2 | Set the keypad address

The B915 has 6 DIP switches that support SDI2 addresses 00 to 32. Use the DIP switches to set the keypad address per the control panel configuration. If multiple SDI2 keypads reside on the same system, each SDI2 keypad must have a unique address. Figure 2.2 shows the address switch setting for address 01. Refer to Table 2.1 for additional keypad address settings.

#### 3 | Installation

After you set the address switches for the proper address, mount the mounting plate, wire to the control panel, and attach the keypad to the mounting plate.

#### 3.1 | Mount the mounting plate

Mounting the mounting plate on the wall:
1. Use the mounting plate as a template to mark the desired mounting surface with mounting locations and a level line.
2. Use the appropriate mounting hardware (supplied) to mount the mounting plate to the mounting surface.
3. Pull the wiring through the wiring opening.

#### 4 | Wire the keypad

To provide tamper protection from prying the keypad from the wall, optionally install a screw into the tamper location. Refer to Figure 3.1.

#### 4.1 | Wire to the control panel

When you wire the keypad to a control panel, use the control panel terminals labeled R, Y, G, B (PWR, A, B, COM). Connect them to the keypad terminals labeled R, Y, G, B. Refer to Figure 4.1.

You can connect keypads to the SDI2 data bus by parallel wire run from the control panel to each keypad, wire from keypad to keypad, or a combination of the two techniques. Refer to Figure 4.2.

### 5 | Display

You can adjust the keypad’s display brightness level, and you can turn the keypad’s nightlight feature on or off. Adjusting the keypad display brightness:
1. 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. These changes apply immediately.
6. Press [ESC] to exit the menu.

Turning the keypad nightlight on or off (control panel firmware version 2.01 or higher):
1. 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].
4. Use [NEXT] to go to the Press 4 for Nightlight option, or simply press [4].
5. Use [PREV] or [NEXT] to toggle between the Yes and No options.
6. Press [ENTER] while viewing the desired option to save the programming.
7. Press [ESC] to exit the menu.
10 | Keypad cleaning

Use a soft cloth and non-abrasive cleaning solution to clean your keypad (for example, microfiber cloth and eyeglass cleaner). Spray the cleaner onto the cloth. Do not spray cleaners directly onto the keypad.

8 | Supervision

The control panel supervises all keypads on the SDI2 bus. If a supervised keypad fails to respond to the control panel, the control panel declares a Missing Keypad Trouble. When the control panel can again communicate with the keypad, it restores the Missing Keypad Trouble. During a Missing Keypad Trouble, any connected keypad that maintained contact with the control panel shows the Missing Keypad Trouble as its idle text, and shows the missing keypad’s address. The communicating keypads also sound a trouble tone. Users can silence the trouble tone. If no other troubles exist, the tone silences when the missing keypad restores.

9 | Show the firmware version

To show the keypad firmware version, remove and then restore power. The keypad shows the model number, keypad address, and firmware version for 10 sec.

You can momentarily remove power at the keypad (or at the control panel by disconnecting and then reconnecting the wire from the “R” terminal.

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

11 | Specifications

Dimensions 5.5 in x 4.7 in x 1 in (139 mm x 118 mm x 23 mm)
Voltage (input) 12 VDC nominal
Current 35 mA in standby mode
70 mA in alarm mode
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 18 AWG to 22 AWG (1.02 mm to 0.65 mm)
SDI2 wiring Maximum distance - wire size (unshielded wire only):
984 ft (300 m) - 18 AWG to 22 AWG (1.02mm to 0.65 mm)
Compatibility Compatible with the following control panels version 2.03 or higher:
B5512 and B5512EB
B4512 and B4512EB
B3512 and B3512EB
D9412GV
D74120V4

7 | Audible tones

The keypad has a built-in sounder that produces several distinct warning tones. The keypad backlight illuminates when it emits an audible tone.

**Tone** | **Description**
--- | ---
Fire signal | When an area is in fire alarm, the keypad emits a pulsed, high-pitched bell tone.
Gas signal | When a gas point activates, the keypad emits a unique high pitched tone.
User alarm | When a user alarm (such as panic and medical alarms) occurs, the tone sounds for the programmed amount of time.
Burglary signal | When an area is in alarm, the keypad emits a steady, high pitched bell tone.
Entrance warning | The keypad emits an intermittent beep tone during entry delay periods to remind the user to disarm the area.
Exit warning | The keypad emits an intermittent beep tone during exit delay.
Invalid button buzz | When an invalid button, or sequence of buttons, is pressed, the keypad emits a flat buzz tone.
Keypad encoding tone | The keypad emits a muted beep tone as each button is pressed to indicate that the entry was accepted.
Trouble buzzer | When a trouble event occurs, such as a service alert, the keypad emits a two-tone warble until you enter a programmed passcode with the appropriate authority.
Watch tone | A single clean tweedle tone alerts the user anytime a watch point is faulted.

Table 7.1: Keypad audible tones

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