BAT WIFI
SKU: IPD-BAT--WIFI

Wi-Fi & Internet
Alarm Communicator
### QUICK REFERENCE

**Programming for TELCO use on GE NetworX:**

<table>
<thead>
<tr>
<th>Section Device 0</th>
<th>Universal WiFi BAT as Sole Communicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location 0</td>
<td>Enter the Phone Number</td>
</tr>
<tr>
<td>Location 1</td>
<td>Enter Account Number</td>
</tr>
<tr>
<td>Location 2</td>
<td>Enter ‘13’ for Contact ID</td>
</tr>
</tbody>
</table>

**Programming for TELCO use on Vista:**

<table>
<thead>
<tr>
<th>Section</th>
<th>Universal WiFi BAT as Sole Communicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>41</td>
<td>Enter Phone Number</td>
</tr>
<tr>
<td>43</td>
<td>Enter Account Number</td>
</tr>
<tr>
<td>193</td>
<td>Enter 1, 0. Enable to turn on Address 20</td>
</tr>
</tbody>
</table>

**Programming for TELCO use on DSC:**

<table>
<thead>
<tr>
<th>Section</th>
<th>Universal WiFi BAT as Sole Communicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>301</td>
<td>Enter Phone Number</td>
</tr>
<tr>
<td>310</td>
<td>Enter Account Number</td>
</tr>
<tr>
<td>350</td>
<td>Enter ‘03’ for Contact ID</td>
</tr>
</tbody>
</table>
## Technical Support Information

For Technical Support, call toll free: **866-896-2944**  
Hours: Monday - Friday 7a - 6:30p CST  
mail: techsupport@ipdatatel.com  
Web: [www.ipdatatel.com](http://www.ipdatatel.com)  
[www.alarmdealer.com](http://www.alarmdealer.com)  
[setup.alarmdealer.com](http://setup.alarmdealer.com) - used to view device information

ipDatatel, LLC  
13110 Southwest Freeway  
Sugar Land, TX 77478  
Toll Free: 866-896-2944

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Pre-Installation

Hardware Registration

Before installation of your BAT-WIFI, it must be registered at www.alarmdealer.com. Here are the steps needed to register your hardware:

- Log into www.alarmdealer.com with the dealer login information that was emailed to you.
- Click Create Account Wizard
- Follow the 4-Step Wizard

Installation Guide

General Considerations

- Before installation, your BAT-WIFI must be setup using the dealer branded portal www.alarmdealer.com.
- The BAT-WIFI should be installed securely in the supplied plastic housing, and be mounted beside your alarm control panel.
- Where available, proximity to the hard-wired Ethernet Internet connection should be taken into consideration when routing wires.
- Choose a location with good reception by monitoring the BAT-WIFI signal strength LEDs with a pre-wire power up.
- The BAT-WIFI must be completely powered down before starting the wire up.
- Programming is simple using the alarm control panel. Written instructions are included in the “Wiring & Programming” section of this manual.

AP Configuration Tool QuickStart Guide

An easy to use QuickStart Guide has been designed to make the BAT WiFi easily join the customer’s WiFi Network. This guide can be found at: www.ipdatatel.com/support.php or here.

Connecting to a Wireless Network (AP Configuration)

The BAT-WIFI has an AP Configuration Tool which is designed to assist with ensuring the BAT-WIFI joins a wireless network easily.

The following steps should be followed:

1. Power up the BAT-WIFI at the alarm panel.
2. Open your smartphone or laptop and search for Wireless Connections
   a. In the list of WiFi connections you should see one labeled: IPD-CFG-AP-XX-XX-XX. The last six digits will match the MAC address of your WiFi device. If not, try moving your BAT-WIFI to a different location for better reception.
3. Connect to the WiFi Network: IPD CFG-AP-XX-XX-XX
4. After you are connected to your smartphone or laptop. Open a web browser and type in the following IP Address: 192.168.100.1
5. Once you have connected to the above IP Address it will launch the AP Configuration Tool.
6. Next you will click on “Scan for Wireless Networks”. This will populate a list of all available wireless networks in your area.
7. Find the customers Wireless Network and click on it. If security credentials are required, you will be prompted to enter them.
8. You should now be connected to the customers WiFi Network!
**Connecting to a Wireless Network (WPS)**

Press the SW1 button (located on the top left side of the board) once, this will send the device into WPS mode. LED 6 will continue to blink as long as the unit is in WPS mode. Follow the router’s directions to turn WPS on for it. Typically, enabling WPS involves simply pressing a button labeled ‘WPS’. Once the WiFi device and the router see each other, LED 6 will go solid indicating it has found a network. You can now press the SW1 button twice to see the signal strength of the unit.

**Board Button Configuration**

**SW1 Button [located on the top left of the board]**

There are many uses for the SW1 button and your WiFi device. You can tap on the button from 1 to 4 times depending on what the situation is:

1. **1 Tap** – The BAT WIFI will go into WPS mode and search for nearest WPS activated WiFi router in the area.
2. **2 Taps** - The BAT WIFI will update the signal strength [Device must be paired to a WiFi]
3. **3 Taps** - The BAT WIFI device will factory reset and lose connection to any WiFi it was previously attached to.
4. **4 Taps** – The BAT WIFI will force a firmware upgrade [Device must be paired to a WiFi router]

**Reset the Wireless Network (AP Configuration Tool)**

Locate the button labeled SW1 on the top left of the board. When this button is pressed 3 times in a row, it causes the device to perform a software reset and will allow you to perform the “AP Configuration Tool” again.

**Locating and Installing the BAT-WIFI**

The BAT-WIFI connects to the alarm panel’s power connections, Telco, virtual keypad bus (if available), and keyswitch connections (optional).

The BAT-WIFI automatically seeks an IP address. There is no need to program routers or switches.

**Telco - Digital Dialer**

The BAT-WIFI’s signal collection expects Contact ID format from the digital dialer on the alarm panel. Most control panels made in the last decade are CID capable. Wire the Telco side of the alarm control's Tip & Ring to the BAT-WIFI Tip & Ring.

**Virtual Keypad Connection**

The BAT-WIFI connects to most panels as a Virtual Keypad. This allows the customer full virtual keypad access after they authenticate using the customer username and password you have assigned them in the pre-installation phase. You will need to refer to the wiring diagram for your specific panel because on the panel side the Virtual Keypad connection has various labels (Data in-Data out, YEL-GRN, or just Data). This connects to the G/RX, Y/TX connections on the BAT-WIFI.
**Power Connection**

The last step is to wire the alarm panel’s 12VDC auxiliary power and ground to BAT-WIFI positive (pin 3) and negative (pin 4) terminals.

**Basic Programming**

Because the BAT-WIFI simulates telephone service to the panel, general programming for the control is limited to configuring the signal format as Contact ID, as well as inputting a telephone number to dial. In this case the actual telephone number does NOT matter and is NOT used in the signal delivery process.

When using SecureSmart mobile and web interfaces, customers can enter their 4 digit code to arm & disarm the system. For panels that are “Interactive Ready” the following programming will give you full Virtual Keypad access:

- **DSC Panels:** No programming required to make the virtual keypad operate.
- **Vista Panels:** Enable *193 with (1,0) to turn on Address 20.
- **GE Panels:** Automatically enroll to Keypad Slot (Expansion 240) once you enter and exit programming.

**Troubleshooting Diagnostic Information**

Under normal operation the Activity light will periodically blink. A power cycle is recommended if the Activity light is NOT periodically blinking.

**LED – 1**

- Used for DHCP & Network connection diagnostics:
  - Solid: Indicates a connection has been made to ipDatatel. (The unit is Online)
  - 3 Flashes: Indicates the device is not connected to the Internet or is not pulling a DHCP from the router.
  - 7 Flashes: Indicates the device is still working on "AP Configuration", therefore is not connected to a WiFi Network.

**LED – 2**

- Used to indicate signal transmission

**LED – 6 (When not connected to a WiFi Router)**

- Flashing: Indicating it’s searching for a router in WPS Mode.
- Solid: Indicates it found a router via WPS Mode.

**LEDs – 3 to 6 (When connected to a WiFi Router)**

- Display Signal Strength, which is updated on Startup and once every 4 hours.
Validating the Installation

After the unit is properly connected to the Alarm Panel and powered up, use the following steps to validate that the system is functioning properly:

- Ensure that virtual keypad functionality works through www.alarmdealer.com, www.setup.alarmdealer.com, or the SecureSmart mobile app.
- Ensure that alarm signals reach your central station.

Wiring & Programming for Popular Panels

The following pages are organized by Alarm Panel type. Wiring and programming instructions are given for:

- Digital Security Control (DSC) Alarm Panels
- Honeywell Vista Alarm Panels
- GE NetworX Alarm Panels
DSC Panel Wiring and Programming

DSC Control Panel

DSC Keybus & Tip/Ring Wiring

BAT-WIFI

16
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13
12
11
10
9
8
7
6
5
4
3
2
1

RED BLK YEL GRN RING TIP

3
4
1
2
5
6
7
8
9
10
11
12
13
14
15
16

G / Rx
Y / Tx
- NEG
POWER
+ POS
RING
TIP
**DSC PC-Link connection**
This allows for remote downloader functionality with ipDatatel’s Universal Downloader (uDownloader) software.
DSC Panel Programming

See Supported Panels section on page 24. All Control Panels must have a Phone Number in the Panel and an Account Number in the Panel. As long as your Reporting Codes are in the Panel and are transmitting in Contact ID it will send signals.

Programming when using TELCO (Recommended): General Concept Programming on DSC (BAT WIFI as Sole Communicator):

<table>
<thead>
<tr>
<th>Section</th>
<th>BAT as Sole Communicator</th>
<th>Code Summarization</th>
</tr>
</thead>
<tbody>
<tr>
<td>301</td>
<td>Enter a Receiver Number</td>
<td></td>
</tr>
<tr>
<td>310</td>
<td>Enter Account Number</td>
<td></td>
</tr>
<tr>
<td>350</td>
<td>Enter ‘03’ to send Contact ID</td>
<td>Panel default is ‘04’, SIA</td>
</tr>
</tbody>
</table>

Note: Ensure All Report Codes are in, and signals can be sent.

Programming ONLY when using PC-Link to send Signals (Not Recommended): DSC Programming for Communications - GSM Emulation:

If GSM is used, it must be in dialer capture mode

---

<table>
<thead>
<tr>
<th>Section</th>
<th>BAT as Sole Communicator</th>
<th>BAT as Fail over w/Add'l Communication Device</th>
<th>BAT as Dual Reporting w/Add'l Communication Device</th>
<th>Code Summarization</th>
</tr>
</thead>
<tbody>
<tr>
<td>015</td>
<td>Disable Option 7</td>
<td>If GSM, Disable Option 7</td>
<td>If GSM, Disable Option 7</td>
<td>Option 7 turns on/off telephone line supervision.</td>
</tr>
<tr>
<td>167</td>
<td>Set ‘060’ Seconds</td>
<td>Set ‘060’ Seconds</td>
<td>Set ‘060’ Seconds</td>
<td>Sets T-Link acknowledgment delay to 60 secs.</td>
</tr>
<tr>
<td>301</td>
<td>Set ‘CAAF’</td>
<td>Set ‘CAAF’</td>
<td>Set ‘CAAF’</td>
<td>‘CAAF’ has to be set for the panel to send signals to the PC-Link</td>
</tr>
<tr>
<td>302</td>
<td>N/A</td>
<td>N/A</td>
<td>Set ‘Central Station Receiver #'</td>
<td>Second telephone number goes here.</td>
</tr>
<tr>
<td>303</td>
<td>N/A</td>
<td>Set ‘Central Station Receiver #'</td>
<td>Set ‘Central Station Receiver #'</td>
<td>This section is the telephone backup of section 301.</td>
</tr>
<tr>
<td>350</td>
<td>Set ‘04’ / ‘04’</td>
<td>Set ‘04’ / ‘03 for Contact ID, 04 for SIA FSK’ **</td>
<td>Set ‘04’ / ‘03 for Contact ID, 04 for SIA FSK’ **</td>
<td>Format sent as either contact ID (03), or SIA FSK (04). The PC-Link / BAT can ONLY receive signals via SIA FSK (04).</td>
</tr>
</tbody>
</table>
Programming ONLY when using PC-Link to send Signals (Not Recommended): if GSM is used, it must be in
dialer capture mode

<table>
<thead>
<tr>
<th>Section</th>
<th>BAT as Sole Communicator</th>
<th>BAT as Fail over w/Add'l Communication Device</th>
<th>BAT as Dual Reporting w/Add'l Communication Device</th>
<th>Code Summarization</th>
</tr>
</thead>
<tbody>
<tr>
<td>351</td>
<td>Enable Option 1</td>
<td>Enable Option 1, 5</td>
<td>Enable Option 1, 2, 5</td>
<td>Options to turn on/off alarm/restore for telephone 1 (option 1), telephone 2 (option 2), and alternate communications (option 5).</td>
</tr>
<tr>
<td>359</td>
<td>Enable Option 1</td>
<td>Enable Option 1, 5</td>
<td>Enable Option 1, 2, 5</td>
<td>Options to turn on/off tamper/restore for telephone 1 (option 1), telephone 2 (option 2), and alternate communications (option 5).</td>
</tr>
<tr>
<td>367</td>
<td>Enable Option 1</td>
<td>Enable Option 1, 5</td>
<td>Enable Option 1, 2, 5</td>
<td>Options to turn on/off opening/closing for telephone 1 (option 1), telephone 2 (option 2), and alternate communications (option 5).</td>
</tr>
<tr>
<td>375</td>
<td>Enable Option 1</td>
<td>Enable Option 1, 5</td>
<td>Enable Option 1, 2, 5</td>
<td>Options to turn on/off maintenance for telephone 1 (option 1), telephone 2 (option 2), and alternate communications (option 5).</td>
</tr>
<tr>
<td>376</td>
<td>Enable Option 1</td>
<td>Enable Option 1, 5</td>
<td>Enable Option 1, 2, 5</td>
<td>Options to turn on/off testing for telephone 1 (option 1), telephone 2 (option 2), and alternate communications (option 5).</td>
</tr>
<tr>
<td>380</td>
<td>Enable Option 1</td>
<td>Enable Option 1, 5</td>
<td>Enable Option 1, 5</td>
<td>Option 1 turns on/off communications. Option 5 turns on/off 3rd phone number.</td>
</tr>
<tr>
<td>381</td>
<td>Disable Option 3, Enable Option 5</td>
<td>Disable Option 3, 5</td>
<td>Disable Option 3, 5</td>
<td>Option 3 turns on/off code reporting. Options 5 &amp; 6 turns on/off communication with phone lines 1, 3 &amp; 2 respectively.</td>
</tr>
<tr>
<td>382</td>
<td>Enable Option 5</td>
<td>Enable Option 5</td>
<td>Enable Option 5</td>
<td>Option 5 enables/disables T-Link/PC-Link.</td>
</tr>
<tr>
<td>389</td>
<td>Set '003'Seconds</td>
<td>Set '003'Seconds</td>
<td>Set '003' Seconds</td>
<td>The time it will take to periodically check for faults on the T-Link/PC-Link.</td>
</tr>
</tbody>
</table>
**Vista Panel Programming**

All Control Panels must have a Phone Number in the Panel and an Account Number in the Panel. As long as your Reporting Codes are in the Panel and are transmitting in Contact ID it will send signals.

**Programming when using TELCO (Recommended):** Programming on Vista (BAT WIFI as Sole Communicator):

<table>
<thead>
<tr>
<th>Section</th>
<th>For BAT as Sole Communicator</th>
<th>Code Summarization</th>
</tr>
</thead>
<tbody>
<tr>
<td>41</td>
<td>Enter Phone Number</td>
<td></td>
</tr>
<tr>
<td>43</td>
<td>Enter Account Number</td>
<td></td>
</tr>
<tr>
<td>49</td>
<td>Enter 5</td>
<td>For All Communications to BAT</td>
</tr>
<tr>
<td>54</td>
<td>Enter 0</td>
<td>No Delay Between Communicators</td>
</tr>
<tr>
<td>55</td>
<td>Enter 0</td>
<td>Phone Line Communicates First</td>
</tr>
<tr>
<td>65 &amp; 66</td>
<td>Enter 1</td>
<td>If you want Opening/Closing Reports</td>
</tr>
<tr>
<td>193</td>
<td>Enter 1, 0</td>
<td>Enable to turn on Address 20</td>
</tr>
</tbody>
</table>

**Programming when ONLY using Keybus to send Signals (Not Recommended):** Vista Programming for Communications - GSM Emulation:

<table>
<thead>
<tr>
<th>Section</th>
<th>For BAT as Sole Communicator</th>
<th>For BAT in use with another Communication Device for Fail over</th>
<th>For Dual Reporting</th>
<th>Code Summarization</th>
</tr>
</thead>
<tbody>
<tr>
<td>*29</td>
<td>Enter 1</td>
<td>Enter 1</td>
<td>Enter 1</td>
<td>This enables GSM. The BAT Emulates a GSM.</td>
</tr>
<tr>
<td>*42</td>
<td>N/A</td>
<td>Enter Central Station Receiver Number</td>
<td>Enter Central Station Receiver Number</td>
<td>Secondary Phone Number.</td>
</tr>
<tr>
<td>*43</td>
<td>Enter Account Number</td>
<td>Enter Account Number</td>
<td>Enter Account Number</td>
<td>This is the central station account number.</td>
</tr>
<tr>
<td>*49</td>
<td>Enter 5</td>
<td>Please refer to panel manual for your particular application requirements</td>
<td>Please refer to panel manual for your particular application requirements</td>
<td>Dual Reporting; Setting to 5 sends all reporting to both primary and secondary.</td>
</tr>
<tr>
<td>*54</td>
<td>Enter 0</td>
<td>Enter 2</td>
<td>Enter 0</td>
<td>The time it takes for the communicator to switch from primary to secondary.</td>
</tr>
<tr>
<td>*55</td>
<td>Enter 1</td>
<td>Enter 1</td>
<td>Enter 1 (BAT is Primary Communicator)</td>
<td>Setting to 1 gives signal priority to GSM (BAT).</td>
</tr>
<tr>
<td>*65</td>
<td>Enter 1</td>
<td>Enter 1</td>
<td>Enter 1</td>
<td>Report Code for Openings.</td>
</tr>
<tr>
<td>*66</td>
<td>Enter 1, 1</td>
<td>Enter 1, 1</td>
<td>Enter 1, 1</td>
<td>Report Code for Arming in Away and Stay.</td>
</tr>
<tr>
<td>*193</td>
<td>Enter 1, 0</td>
<td>Enter 1, 0</td>
<td>Enter 1, 0</td>
<td>1 turns on/off keypad address. 0 sets sound to beep.</td>
</tr>
</tbody>
</table>
GE Panel Programming

Recommended: General Concept Programming on GE NetworX:

<table>
<thead>
<tr>
<th>Section</th>
<th>BAT as Sole Communicator</th>
<th>Code Summarization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Device 0, Location 0</td>
<td>Enter the Phone Number</td>
<td></td>
</tr>
<tr>
<td>Device 0, Location 1</td>
<td>Enter Account Number</td>
<td></td>
</tr>
<tr>
<td>Device 0, Location 2</td>
<td>Enter '13' Recommended value</td>
<td>Contact ID</td>
</tr>
</tbody>
</table>
Generic Alarm Panel Wiring and Programming

Generic Control Panel

BAT-WIFI

16
15
14
13
12
11
10
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8
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6
5
4
3
2
1

Generic Keybus & Tip/Ring Wiring

Generic Alarm Panel Programming

- Program the panel Phone Number into the panel
- Program the Customers Account Number into the panel
- Program Reporting codes into the panel
- Program panel to transmit in Contact ID format

For interactive (Keyswitch) wiring and programming see the next section.
Generic Keyswitch Wiring and Programming

For basic keyswitch interactive services with the BAT WIFI, the following alarm panel wiring is needed:

- A programmable output on the alarm panel will be used to signal to the BAT (Y/Tx terminal) that the panel has entered Arm/Disarmed State.
- The Z1 output on the BAT WIFI will be used as a keyswitch connecting to a ‘zone’ terminal on the alarm panel.

*A pull up resistor may be required between terminal 3 to 5 to determine correct arm & disarm state.*
Generic Keyswitch Programming

Examples for Ademco, Digital Security Controls, and GE NetworX for keyswitch and panel state program output operations, as well as Keyswitch state programming are given below.

Most alarm panel manufacturers will have the capability to configure a zone as a keyswitch and generally have at least one on-board programmable output that can be configured to activate on a number of different control state conditions. Reference the alarm panel installation manual for details on your specific installation.

Ademco (Typical)

- 56 program zone as type 77
- 80 Menu LED Outs
- Program 17 and 18 zone type 78 and 79

DSC PowerSeries (Typical)

- Section 001 - Zone must be programmed as a 22
- Section 009 - 05

DSC Alexor (Typical)

Wiring:

- Terminal 5 -> I/01
- Terminal 15 -> I/02
- 6.2k ohms resistor from Terminal 3 -> Terminal 5

Programming:

- Section 009 - '05/'22'
- Section 013 - Enable 2 & Disable 1
- Section 134 - Enable 14 (Press 9, then 6)
- Section 206 - Enable Option 2
- Section 501 - Enable 3

GE NetworX (Typical)

- Device ‘0’ Location 25, press * until you reach desired zone
- Program zone as '11'
- LED Status Device ‘0’
- Location 47 Segment 1: 21
- Location 47 Segment 2: 0
# Supported Panels

<table>
<thead>
<tr>
<th>Panel</th>
<th>Revision</th>
<th>Digital Dialer</th>
<th>Full Interactive</th>
<th>GSM Emulator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vista-10P</td>
<td>2.6+</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Vista-10PSIA</td>
<td>4.0+</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Vista-128BP</td>
<td>3.0+</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Vista-128BPE</td>
<td>1.0+</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Vista-128FB</td>
<td>1.0+</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Vista-128FBP</td>
<td>2.0+</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Vista-128FBPE</td>
<td>1.0+</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Vista-128SIA</td>
<td>2008+</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Vista-15</td>
<td>2+</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Vista-15CN</td>
<td>2.6+</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Vista-15P</td>
<td>2.6+</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Vista-15PCN</td>
<td>2.6+</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Vista-15PSIA</td>
<td>4.0+</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Vista-20P</td>
<td>2.6+</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Vista-20PCN</td>
<td>2.6+</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Vista-20PI</td>
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<td>Vista-20PS</td>
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<td>Vista-20PSIA</td>
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<tr>
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<td>First Alert FA130</td>
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<td>First Alert FA148</td>
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</table>

## DSC (Digital Security Control)

<table>
<thead>
<tr>
<th>Panel</th>
<th>Revision</th>
<th>Digital Dialer</th>
<th>Full Interactive</th>
<th>GSM Emulator</th>
</tr>
</thead>
<tbody>
<tr>
<td>PC5010</td>
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<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>PC1616</td>
<td>4.13+</td>
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<td>PC1832</td>
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<td>PC1864</td>
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</tr>
<tr>
<td>Alexor</td>
<td>ALL</td>
<td>✓</td>
<td>X</td>
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</tbody>
</table>

*Not ALL virtual keypad features may work. Arm/Disarm/System Status do work.*
**GE NetworX**

<table>
<thead>
<tr>
<th>Panel</th>
<th>Revision</th>
<th>Digital Dialer</th>
<th>Full Interactive</th>
<th>GSM Emulator</th>
</tr>
</thead>
<tbody>
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<td>NX-8V2</td>
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<td>✗</td>
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</table>

**Note:** Any Panel not on the supported lists above should function properly as long as it transmits Contact ID through Tip & Ring. If the panel has the ability to use a Dedicated Open Zone that acts as a Keyswitch you can Arm/Disarm from the Website or Mobile Phone.

**For non-supported panels:** Bridge 12 VDC to "Y/TX" Terminal with any type of radial resistor with a value of 2.7k to 10k as a weak "pull up".
Specifications

**Frequency:**
- WiFi 802.11bg (mixed mode)

**Power:**
- Externally provided 12v DC
- Typical Current 130 mA
- Max Current 185mA

**Environmental:**
- Temperature Range - 30° to +70° C (-22° to +158° F)
- Humidity 0 to 95% non-condensing

**Physical:**
- Height 7.05 inches
- Width 4.45 inches
- Depth 1.5 inches

**Security Protocols Supported:**
- WPA
- WPAII
- WEP