9800 Series Graphic Touchscreen Keypad

INSTALLATION AND PROGRAMMING GUIDE
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ABOUT THE KEYPAD

9800 Series Wireless Graphic Touchscreen Keypads offer flexible features and functionality. Each keypad provides:

- AC Power/Armed LED
- Full color touchscreen display
- Built-in proximity card reader
- Internal speaker
- Wireless communication
- 12 VDC plug-in power supply (9862) and wire harness
- 5 VDC plug-in power supply (9862USB)
- Internal rechargeable 3.7 V lithium battery
- microSD card slot for customized logo
- Icon-driven operation
- Wall tamper protection (9862)
- Two snap-in desk stand legs (9862USB)
- Optional backboxes for conduit or wall-mount applications
KEYPAD FEATURES

Armed/Power LEDs & Proximity Reader

Dealer Logo
Carousel Menu

Interactive Arming/Disarming Shield
Local Weather

microSD Card Slot

Press the Navigation Arrows or touch and drag the menu to scroll

Figure 1: Keypad Features
Programmable Carousel Menu

The carousel menu allows the user to pick and choose what displays within the carousel menu on the home screen. Press Options in the carousel menu. From here, adjust the keypad screen brightness, keypad tone, and keypad volume. Press a box under **Display In Menu** to select that option to display in the carousel menu. Press that box again to deselect that option. See Figure 2.

A **Brightness** setting of 1 allows the keypad display to turn off automatically after a brief period of inactivity. The Arm/Disarm LED remains lit. A **Brightness** setting of 0 allows both the keypad display and LED to turn off automatically after a period of inactivity. To wake the display, tap any part of the touchscreen surface.

**Figure 2: Keypad Options**
ENTER CHARACTERS

Number Pad
1. Choose a character from Table 1.
2. Identify the Number the character correlates with and press that number on the number pad.
3. Identify the Select Area for the character and press that select area on the keypad. Press that select area again for the lowercase letter. See Figure 3.
4. When the desired character displays on the keypad, return to Step 1 to enter another character or press CMD if finished.

Standard Keyboard
• Press ABC to enter uppercase letters.
• Press abc to enter lowercase letters.
• Press !@# to enter special characters.
• Press 123 to enter numbers and to return to the number pad. See Figure 4.
Figure 3: Number Pad

Figure 4: Standard Keyboard
SELECT A LOCATION

9800 Series Wireless Graphic Touchscreen Keypads provide a built-in survey capability to allow one person to confirm keypad communication with the wireless receiver or panel. This allows you to determine the best location for the keypad.

1. Press **Options** in the carousel menu.
2. Press the installer options icon at the bottom-left corner of the screen.
3. Enter **3577** (INST) and press **CMD**.
4. Press the select key under **KPD RF** to start the survey communication. The keypad displays its wireless serial number and **RF SURVEY**. Determine if communication is confirmed or faulty.

- **Confirmed:** When successful communication has been established, the AC Power/Armed LED turns blue.
- **Faulty:** If communication has not been established, the keypad AC Power/Armed LED turns red. Relocate the device or wireless receiver until the survey LED confirms clear communication.
INSTALL THE KEYPAD

1 *Remove the Cover*

The keypad housing is made up of two parts: the cover, which contains the circuit board and components, and the base.

To separate the keypad cover from the base, insert a slotted-tip screwdriver into one of the slots on the bottom of the keypad and lift the screwdriver upward. Repeat with the other slot. Separate the cover from the base and set the cover containing the keypad components aside. See Figure 5.
Install the 9862 Keypad

9862 Keypads are designed to install on any single-gang switch box or flat surface. Do not mount on metallic surfaces or boxes. Follow these steps to mount the keypad on a wall or flat surface.

1. Run 18-22 AWG wire from the desired keypad location to the nearest available, non-switched outlet.

2. Connect the supplied 4-pin power supply harness to the 18-22 AWG wire. Note that the wire with the white stripe needs to connect to the positive (usually red) wire.

3. Feed the power supply harness through the case. See Figure 6.

4. Using the supplied screws, secure the keypad base to a wall or box. Ensure the tamper switch makes proper contact with the wall.

5. While observing polarity, connect the positive (red) wire to the positive terminal on the power supply. Connect the black wire to the negative terminal on the power supply.

6. Plug in the power supply. Connect the other end of the power supply harness to the 4-pin power connector on the keypad without removing the PCB from the keypad housing, and snap the keypad into the base.
Install the 9862USB Keypad

9862USB Wireless Graphic Touchscreen Keypads are intended for tabletop use. Follow these steps to attach the desk stand legs and power the 9862USB keypad. See Figure 7, Figure 8, and Figure 9.

1. Insert one leg into the holes on the back of the keypad.
2. Slide the leg upwards until the leg firmly snaps into place. Repeat the process to attach the second leg.
3. Fit the transformer strap onto the transformer, ensuring the strap slit is facing up and the adapter plugs are fed through the strap plug openings.
4. Feed the micro USB end of the power supply cable through the two slits in the transformer strap, then plug the USB end into the USB port on the adapter.
5. Remove the center screw from the power outlet plate.
6. Plug the power supply into the outlet.
7. Place the outlet screw through the hole in the plastic strap and secure it into the outlet.
8. Plug the micro USB end of the cable into the back of the keypad.
Figure 7: Attach Legs

Figure 8: Install Transformer Strap

Figure 9: Connect Power
3 Connect the Keypad

Connect the keypad to the panel by using one of the following options: Wireless Keypad Association, Auto Pairing, or manually at the keypad in Device Setup. A maximum of seven keypads can be paired with each panel.

Wireless Keypad Association

**XTLplus/XTLtouch**

1. Press **Options** in the carousel menu.
2. Press the installer options icon at the bottom-right corner of the screen.
3. Enter **3577** (INST) and press **CMD**.
4. Press **KPD RF** to start the RF survey communication. The keypad displays its wireless serial number and **RF SURVEY**. When successful communication has been established, the AC Power/Armed LED turns blue. If communication has not been established, the LED turns red.

**XT30/XT50 or XR150/XR550 Series Panels**

Reset the panel three times. The yellow LED at the top of the panel will begin flashing between each press. Wait for sixty seconds. When communication is confirmed, the LED will turn green and will stay on steady.
Auto Pair
Auto pairing automatically connects your keypad to the panel. This option is only available for Version 109 or higher keypads that do not have a previously assigned house code. After powering the XTLplus/XTLtouch and the keypad, the keypad displays **Pairing Keypad With System...** and a ten minute pairing timer begins.

- **Confirmed**: The keypad home screen displays, signaling that pairing is complete.
- **Faulty**: The keypad displays Pairing Failed, followed by the Reset screen. Reset your panel and press Pair to restart the pairing process. The panel will auto pair with wireless keypads until it pairs with four keypads or until ten minutes have passed.
PROGRAM THE PANEL

To access the Programmer menu, reset the panel, press Keypad in the carousel menu, enter 6653 (PROG), then press CMD.

After completing each of the following steps, press CMD to advance to the next option. Refer to the panel programming guide as needed.

DEVICE SETUP

Advance to DEVICE SETUP, then press a select area to enter the setup menu.

Device Number

Set the keypad address at 1-16 for XR550 Series panels or 1-8 for other compatible panels.

Device Name

Press any select area, then enter a name for the wireless keypad.
**Device Type**
For use as a standard keypad, select **KPD**. For use as an access control keypad, press any select area, then select **DOOR**.

**Communication Type**
Press any select area, then select **WLS** (Wireless) as the communication type.

**Serial Number**
Enter the eight-digit wireless serial number. Range is 14500000-14999999.

**Supervision Time**
Press any select area and choose a supervision time. Options are 0, 60, or 240 minutes.

Configure additional options as needed. To configure custom card options for the keypad, do not program **CARD OPTIONS** in Device Setup.
PROGRAM THE KEYPAD

Refer to the appropriate panel programming guide as needed. Keep in mind that operation for some programming options is restricted to the appropriate model. To access the Keypad Options menu, press Options in the carousel menu. Press the Installer Options wrench icon, enter 3577 (INST), then press CMD.

**KEYPAD OPTIONS**
To program keypad options, press the select area under KPD OPT. When finished programming, press STOP to save all programming.

**Default Keypad Message**
Enter a custom message of up to sixteen characters to appear at the top of the keypad display. Press any select area, enter a new message, and press CMD.

**Arm Panic Keys**
Use this option to enable or disable the panic keys. Press the icon name: PN (panic), EM (emergency), and FI (fire). Once the panic option is enabled, an asterisk displays next to the selected options.
**Arming/Disarming Wait Time**
Select the number of seconds (1-9) the keypad should wait to arm and disarm when an area system displays **ALL? NO YES** or a H/S/A system waits during arming only. If **NO** or **YES**, or **HOME, SLEEP, or AWAY** is not manually selected before the delay expires, the keypad automatically selects **YES** or **AWAY**. Select zero (0) to disable this feature. The delay also occurs when a credential is presented for arming the H/S/A system. Default is **2**.

For non-Area systems with keypads that have firmware version 205 or higher, presenting a credential to the keypad automatically initiates the arming sequence after the arming wait time expires. All/Perimeter systems arm **All**. Home/Sleep/Away and Home/Away systems arm **Away**.

**Enable Tamper**
If the keypad is mounted on a wall, select **YES** to enable the wall tamper. Default is **NO**.
Card Options
Select **DMP** to allow credentials that use a 26-45 bit data string. The menu advances to **REQUIRE SITE**.

Select **CUSTOM** to disable DMP format and program slots 1-8 as needed. The menu advances to **FORMAT NO**.

Select **ANY** to allow all Wiegand card reads to activate the door strike relay. The door strike relay is activated for the length of time programmed in **ZN 3 REX TIME**. No user code information is sent to the panel. The menu advances to **NO COMM WITH PNL**.

The default card format is **DMP**.
Card Format Number
Select the slot number (1-8) that you want to program for a custom non-DMP card format. The format that is programmed into slot 1 is the default format. In the event that a card with an unrecognized format is used, that card will be read in the format that is programmed in slot 1. To restrict card reads to specific formats, only program slots 2-8.

See Public Card Formats for some publicly available card formats that can be used with the keypad. Other private or custom formats may also be compatible. Please contact the credential supplier or manufacturer for the bit structure.

Note: If you select slot 1 and you are upgrading from XR panel version 182 or earlier, FORMAT NAME will automatically be named SINGLE CARD FORMAT and WIEGAND CODE LENGTH will default to 45.

Format Name
Press any select area to rename the card format. Press CMD to save and advance.
**Wiegand Code Length**

When using a custom credential, enter the total number of bits to be received in Wiegand code including parity bits. Press any select key or area to enter a number between 1-255 to equal the number of bits. Default is **26** bits.

An access card contains data bits for a site code, user code, and start/stop/parity bits. The starting position, location, and code length must be determined and programmed into the keypad. See Figure 10.

![Wiegand Code Length Diagram](image)

**Example:** Wiegand Code Length = 26 bits

**Figure 10:** Wiegand Data Stream Bit Location
**Site Code Position and Length**

Enter the site code start position and length in the data string. Press select area 2 to clear the site code start position and enter a number between 0-255. Press CMD to save. Default is 1.

Press select area 4 to clear the site code length and enter a number between 1-24. Press CMD to save. Default is 8.

**User Code Position and Length**

Define the user code start bit position and length. Press select area 2 to clear the user code position and enter a number between 0-255. Press CMD to save. Default is 9.

Press select area 4 to clear the user code length and enter a number between 16-64. Press CMD to save. The default is the DMP value of 16.
Require Site Code
Press the top row select key or area under **YES** to use a site code and press **CMD** to view the site code entry display. Press **NO** to advance to **NO OF USER CODE DIGITS**. Default is **NO**.

In addition to user code verification, door access is only granted when any one site code programmed at the **SITE CODE ENTRY** option matches the site code received in the Wiegand string.

*Site Code Display:* You can program up to eight 8-digit site codes. The site code range is 0-16,777,214.

In the keypad display, enter site code 1 and press **CMD**. The display will ask for site code 2 followed by site code 3 and so on. When you have selected the site code you want to change, press **CMD**.
Number of User Code Digits
The keypad recognizes user codes from 4-12 digits long. Press any top row select key or area to enter a user code digit length. This number must match the user code number length being programmed in the panel. The device will recommend a number of user code digits based on the user code length. Default is 5.

All bits are read and converted into a decimal number string. The number string is left padded with 0 (zero) if needed for long user code lengths.

Example:
- # decoded
- 10 digits
- 4 digits

No Communication with Panel
Define the relay action when communication with the panel has not occurred for 5 seconds: OFF, SITE, ANY, ON, or LAST. Default is OFF. Press any select key or area to change the default relay action:
Press the first select key or area to choose **OFF** (Relay Always Off). The relay does not turn on when any Wiegand string is received. **OFF** does not affect any REX operation. If communication is lost during a door strike, the relay remains on for the door strike duration but turns off at the end of the door strike timer.

Press the second select key or area to choose **SITE** (Accept Site Code). Door access is granted when the site code string received matches any programmed site code. Refer to Require Site Code for more information.

Press the third select key or area to choose **ANY** (Any Wiegand Read). Access is granted when any Wiegand string is received.

Press the fourth select key or area to choose **ON** (Relay Always On). The relay is always on.

Press **CMD** to display additional actions. Press the first select key or area to choose **LAST** (Keep Last State). The relay remains in the same state and does not change when communication is lost.
**System Type**
Program the keypad as the same system type selected in panel programming.

**Dealer Logo**
Use this option to add a custom dealer logo to the main screen of the keypad. Prior to selecting **ADD**, insert a microSD card containing the logo file in to the slot on the right side of the keypad. Refer to Figure 11. Select **ADD** to upload the file to the keypad.

*Adding Logo Sure?* The keypad will display **ADDING LOGO SURE?**. Select **YES** to proceed. While the logo is being uploaded, the keypad displays **ADDING LOGO**. **ADDING LOGO COMPLETED** displays to confirm a successful upload.

**Dealer Info**
Select **ADD** at the **DEALER INFO** prompt to include information about the dealer when the logo is pressed. The keypad displays **ADDING INFO SURE?** to confirm the selection. Press **YES** to proceed.

*Adding Info Sure?* While the info is being uploaded to the keypad, the keypad displays **ADDING INFO**. **ADDING INFO COMPLETED** displays to confirm a successful upload. Press and release the microSD card to eject.
Carousel Z-Wave Items
Carousel Z-Wave Items allows you to select the Z-Wave options to display in the carousel menu. Press an item to select and a check-mark displays. Press again to de-select that option. Items for the carousel include Lights, Doors, Thermostats, and Favorites. Press **CMD** at the bottom of the screen to advance to the next options screen and the **back arrow** return to the previous screen. Default is no items selected. See Figure 12.

![Figure 11: Inserting a microSD Card](image)

![Figure 12: Carousel Z-Wave Items](image)
Shortcut Items
Shortcut Items allows you to select additional menu items to display in the carousel menu. Press the item to select and a checkmark displays. Press again to deselect that option. Items for the carousel include User Codes, Schedules, and Events. Default is no items selected. Select **Edit Z-Wave** to display the Edit Z-Wave icon for the Lights, Doors and Thermostats screens. Select **Edit Favorites** to display the Edit Z-Wave icon on the Favorites screen. See Figure 13.

Select Language
**Select Language** allows you to select the language for text on the home screen, the carousel menu screens, and some programming screens. Press a box to select a language and a checkmark displays. Press that box again to deselect that option. Only one language can be selected at a time. Default is **English**.

**Note:** The keypad does not translate information from the panel that displays on the keypad screen. See Figure 14.
ADDITIONAL PROGRAMMING

Update the Keypad
Restart Keypad on keypads running Version 107 or higher allows the technician to restart the keypad to initiate a firmware update from a microSD card. This process takes approximately 5 minutes to complete.

Update Keypad Firmware Using Restart
1. Navigate to DMP.com/Dealer_Direct and select Software Downloads from the navigation menu.
2. Select a Software Update.
3. Click Download and enter Your Name, Your Company, and Email information.
4. After the .zip download is complete, unzip the files and save them all to the root directory of a FAT32 format microSD card.
5. Insert the microSD card into the microSD card slot on the right side of the keypad. Refer to Figure 11.
6. Press Options in the carousel menu and press the Installer Options or wrench icon.
7. Enter 3577 (INST) at the keypad and select KPD OPT.
8. Press CMD until Restart Keypad displays.
9. Press Restart. Do not remove the microSD card or disrupt power.
10. When the keypad is finished restarting and returns to the home screen, remove the microSD card.

Figure 15: Restart Keypad

RESTART KEYPAD
To load new firmware from an SD card, insert the card and press RESTART. The keypad will restart, install, and restart again. Do not remove the SD card or disrupt power during this process.
TEST THE KEYPAD

Test the keypad to ensure keypad lighting, individual shortcut keys, and any programmed zones work properly. Access the Keypad Diagnostics menu by pressing **Options** in the carousel menu. Press the **Installer Options** or wrench icon and enter **3577** (INST) and press **CMD**.

**KEYPAD DIAGNOSTICS**
Press the select area for **KPD DIAG**. The keypad lights all display segments and illuminates red. The display then changes to green. The keypad alternates between these two states for up to two minutes. Press **CMD** at any time to begin testing individual keys.

**Zone Test**
This option allows the keypads to display the current electrical status of the four protection zones. The status is shown as **OPEN**, **SHRT**, or **OKAY**. The zone test displays on the other keypads, but is not operational.

**Test the Credential Reader**
This option tests the internal and external reader input from proximity credentials. The display shows **OKAY** each time a good proximity read is received.
END USER TRAINING

This section contains instructions on how users can arm and disarm their system, use access control, and entry delay. All of the examples displayed assume that **CLOSING CODE** is **YES** in panel programming.

For more information about using your system, refer to the appropriate system user guides from [DMP.com/guides](http://DMP.com/guides):

**Access the User Menu**
1. In the Carousel Menu, select **Keypad**.
2. Tap **CMD** to advance to **MENU? NO YES**. Tap **YES**.
3. Enter your user code, then tap **CMD**.
4. Tap **CMD** to advance through the menu items. To enter a menu, tap any select area.
Arm and Disarm the System

Area System Type
1. Tap the home screen shield in the center of the keypad. Tap your preferred option.
2. If arming, the keypad displays **ALL? NO YES**. Select **NO** to arm individual areas. Select **YES** to arm all areas.
3. If disarming, the keypad displays **ENTER CODE: -**. Enter your user code or present a credential to the reader.

All/Perimeter System Type
1. Tap the home screen shield in the center of the keypad.
2. If arming, select **ALL** to arm all areas or **PERIM** to arm only the perimeter. If **ENTER CODE:** displays, enter a user code at the keypad or present a credential to the proximity reader.
3. If disarming, enter a user code at **ENTER CODE:** or present a credential to the proximity reader.

Home/Sleep/Away System Type
1. Tap the home screen shield in the center of the keypad.
2. If arming, **HOME SLEEP AWAY** displays. Select **HOME** to arm the perimeter, select **SLEEP** to arm everything except the bedroom areas, or select **AWAY** to arm all areas. If a selection is not made, all areas will automatically arm **AWAY**.
3. If **ENTER CODE:** displays, enter a user code at the keypad or present a credential to the proximity reader.
**Touchless Arming**

Present a credential to the built-in reader to automatically arm the system without touching the keypad. After the arming delay expires, All/Perimeter systems arm **All**. Home/Sleep/Away and Home/Away systems arm **Away**.

**Use Access Control**

**Area System Arming and Disarming**

Present your credential to the reader. To arm or disarm individual areas, select **NO** at **ALL? NO YES**. To arm or disarm all of the areas assigned to you, select **YES**. The system arms or disarms areas according to the option you selected.

---

In Figure 16, disarming areas with a credential is demonstrated:

- **When the keypad displays ARMED**, present your card to the reader.
- **Select NO** to disarm individual areas.
- **Select YES** to disarm all areas assigned to you.
- **The system disarms areas according to the option you selected.**

---

**Figure 16: Disarming Areas with a Credential**
**All/Perimeter System Arming and Disarming**

- **Arming:** Present your card to the reader. **PERIM ALL** displays. Tap the preferred option. The system arms according to the option you selected.
- **Disarming:** Present your card to the reader. The system disarms.

**Home/Sleep/Away and Home/Away System Arming and Disarming**

- **Arming:** Present your card to the reader. **HOME SLEEP AWAY** or **HOME AWAY** displays. Tap the preferred option. The system arms according to the option you selected.
- **Disarming:** Present your card to the reader. The system disarms.

![Figure 17: Arming All with a Credential](image)

When the keypad displays **DISARMED**, present your card to the reader.

Select the desired arming option.

The system arms according to the option you selected.
Use Entry Delay When Disarming

After the entry delay starts, the keypad sounds an entry tone and displays **ENTER CODE**. Present your credential to the reader. Once validated, the system disarms all areas accessible by the credential. Refer to Figure 18.

![Figure 18: Entry Delay](image)

Entry delay starts.

Present an authorized card and the system disarms.
## Icon Reference

### Arming Shield Icons

#### Armed

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<th>Icon</th>
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<tbody>
<tr>
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<tr>
<td>🛋</td>
<td>Sleep</td>
</tr>
<tr>
<td>🚗</td>
<td>Away</td>
</tr>
<tr>
<td>🌐</td>
<td>Perimeter</td>
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<td>All System</td>
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#### Alarm

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<tr>
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#### Exit Timer

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<td>Enter Code</td>
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### Popups

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### Menu

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### Arming Options

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### Panic Options

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### Z-Wave

- Lights
- Appliances
- Doors
- Garage Door
- Favorites

### Z-Wave Thermostats

- Auto
- Heat
- Cool
- Off
- Fan
- Room Temp

<table>
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<th>Increase</th>
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### Status Bar Header

- System Ready
- Attention List
- Armed (Area)
- Home
- Sleep
- Away
- Perimeter
- All System

- Chime
- Battery Trouble
- AC Trouble
- Wi-Fi
Change System Wi-Fi Password

When you change your network’s Wi-Fi password, the system detects that the password has changed and asks you to update it. To close the Incorrect WiFi Password dialog and return to the main menu, tap the Shield icon. To reopen the dialog from the main menu, tap the Wireless icon.

To change your password and re-establish communication, complete the following steps. Refer to Figure 19 and Figure 20.

1. Tap ENTER PASSWORD.
2. Use the onscreen keyboard to enter your password:
   - Press ABC to enter uppercase letters
   - Press abc to enter lowercase letters
   - Press !@# to enter special characters
   - Press 123 to enter numbers
3. Tap CMD.
Figure 19: Incorrect Wi-Fi Password Dialog

![Incorrect Wi-Fi Password Dialog]

Figure 20: Enter Wi-Fi Password Screen

![Enter Wi-Fi Password Screen]
**Clean the Keypad**

Failure to follow cleaning recommendations may result in equipment damage.

- Do not use harsh cleaners to clean keypad surfaces.
- Do not oversaturate cleaning cloths or allow cleaner to make contact with internal electronic components, cables, or power sources.
- Do not apply excessive force to keypad displays, touchscreens, keys, or housings when cleaning.
- Do not spray cleaner directly onto the keypad. Use alcohol sprays or wipes that contain 70% isopropyl alcohol.

1. Use an alcohol wipe or spray a small amount of rubbing alcohol onto a clean, dry microfiber cloth to gently wipe down all keypad touch surfaces, removing any excess cleaner.
2. Wait 10 seconds, then completely dry all keypad surfaces.
3. If necessary, use a clean, dry microfiber cloth to gently remove streaking.
Replace the Keypad Battery

1. Disconnect the battery lead connector from the keypad battery header.
2. Remove the standby battery from the PCB.
3. Observe polarity and connect the battery lead connector to the keypad battery header.
4. Place the new battery on the keypad PCB using double-sided sticky tape. See Figure 21.
# PUBLIC CARD FORMATS

<table>
<thead>
<tr>
<th>CARD FORMAT</th>
<th>WIEGAND CODE LENGTH</th>
<th>SITE CODE POSITION</th>
<th>SITE CODE LENGTH</th>
<th>USER CODE POSITION</th>
<th>USER CODE LENGTH</th>
<th>USER CODE DIGITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>H10301 26 BIT</td>
<td>26</td>
<td>1</td>
<td>8</td>
<td>9</td>
<td>16</td>
<td>5</td>
</tr>
<tr>
<td>H10302 37 BIT W/O FAC</td>
<td>37</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>35</td>
<td>11</td>
</tr>
<tr>
<td>H10304 37 BIT W/FAC</td>
<td>37</td>
<td>1</td>
<td>16</td>
<td>17</td>
<td>19</td>
<td>6</td>
</tr>
<tr>
<td>FARPOINTE 39 BIT</td>
<td>39</td>
<td>1</td>
<td>17</td>
<td>18</td>
<td>20</td>
<td>7</td>
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<tr>
<td>CORPORATE 1000 35 BIT</td>
<td>35</td>
<td>2</td>
<td>12</td>
<td>14</td>
<td>20</td>
<td>6</td>
</tr>
<tr>
<td>CORPORATE 1000 48 BIT</td>
<td>48</td>
<td>2</td>
<td>22</td>
<td>24</td>
<td>23</td>
<td>7</td>
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</table>
# CREDENTIALS

<table>
<thead>
<tr>
<th>125 kHz PROXIMITY CREDENTIALS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PSC-1</td>
<td>Standard Light Proximity Card</td>
</tr>
<tr>
<td>PSK-3</td>
<td>Proximity Key Ring Tag</td>
</tr>
<tr>
<td>PSM-2P</td>
<td>ISO Imageable Proximity Card</td>
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<tr>
<td>1306</td>
<td>Prox Patch™</td>
</tr>
<tr>
<td>1326</td>
<td>Proxcard II® Card</td>
</tr>
<tr>
<td>1346</td>
<td>ProxKey III® Access Device</td>
</tr>
<tr>
<td>1351</td>
<td>ProxPass®</td>
</tr>
<tr>
<td>1386</td>
<td>IsoProx II® Card</td>
</tr>
</tbody>
</table>
## ORDERING INFORMATION

**Keypads**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9862-B</td>
<td>Graphic Touchscreen Keypad (black, prox reader)</td>
</tr>
<tr>
<td>9862-W</td>
<td>Graphic Touchscreen Keypad (white, prox reader)</td>
</tr>
<tr>
<td>9862-USB-B</td>
<td>Graphic Touchscreen Keypad with Micro USB (black, prox reader)</td>
</tr>
<tr>
<td>9862-USB-W</td>
<td>Graphic Touchscreen Keypad with Micro USB (white, prox reader)</td>
</tr>
</tbody>
</table>
# Accessories

## Wiring Harnesses and Transformers

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>300-9800-4</td>
<td>Replacement 4-Wire Keypad Harness</td>
</tr>
<tr>
<td>300-9800-PWR</td>
<td>Replacement Power Harness (Hardware Level 101 and higher)</td>
</tr>
<tr>
<td>371-500U-B</td>
<td>Replacement Transformer, Cable, and Strap for 9862USB</td>
</tr>
<tr>
<td>371-500U-W</td>
<td>(black)</td>
</tr>
<tr>
<td></td>
<td>Replacement Transformer, Cable, and Strap for 9862USB</td>
</tr>
<tr>
<td></td>
<td>(white)</td>
</tr>
</tbody>
</table>

## Backboxes, Mounting Plates, and Stands

<table>
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<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>9800-STAND-B/10</td>
<td>Replacement Deskstand for 9800 Keypads (black, 10 pack)</td>
</tr>
<tr>
<td>9800-STAND-W/10</td>
<td>Replacement Deskstand for 9800 Keypads (white, 10 pack)</td>
</tr>
</tbody>
</table>

## Batteries

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9800BAT2400/8</td>
<td>Replacement Battery for 9800 Keypads (3.8 V, 2400 mAh, 8 pack)</td>
</tr>
</tbody>
</table>
COMPLIANCE SPECIFICATIONS

Specifications
Operating Voltage 12 VDC
Standby Current 120 mA at 12 VDC
Alarm Current 206 mA at 12 VDC
Dimensions 5.8”W x 4.135”H x 0.6D

Compatibility
XTLplus/XTLtouch Series Panels
XT30/XT50 Series Panels
XR150/XR550 Series Panels
CERTIFICATIONS

FCC Part 15: CCKPC0132
Industry Canada: 5251A-PC0132

Intertek (ETL) Listed
  ANSI/UL 985   Household Fire Warning
  ANSI/UL 1023  Household Burglar
  ANSI/UL 1076  Proprietary Burglar
  ANSI/UL 1610  Central Station Burglar
FCC INFORMATION

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications made by the user and not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.
INDUSTRY CANADA INFORMATION

This device complies with Industry Canada License-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause interference, and

2. This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. l'appareil ne doit pas produire de brouillage, et

2. l’utilisateur de l’appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d’en compromettre le fonctionnement.

Information furnished is believed to be accurate and reliable. This information is subject to change without notice.