9800 Series
Wireless Graphic Touchscreen Keypads

DMP Keypad Features

DMP Wireless Graphic Touchscreen Keypads offer flexible features and functionality in a stylish design.

Each keypad provides:

- AC Power/Armed LED
- Full color touchscreen display
- Internal speaker
- Wireless communication
- 12 Vdc plug-in power supply
- Internal rechargeable 3.7V lithium battery
- Micro SD for customized logo
- Icon-driven operation
- Wall tamper protection
- Optional backboxes for conduit or wall-mount applications

The Model 9862 keypad a built-in proximity card reader designed to read DMP/HID proximity credentials.

The Model 9863 keypad provides a built-in proximity card reader designed to read DMP/HID proximity credentials. The Model 9863 keypad also provides a door strike relay and allows Wiegand input from external card readers.

Figure 1: Keypad Main Screen

Touchscreen Display

The 9800 Series Wireless Graphic Touchscreen Keypads have an integrated LCD touchscreen user interface. The display can be set up to display a custom logo image on the main screen. See the Custom Dealer Logo section. The display can also be programmed to turn off (blank screen) during periods when the keypad is not in use. See Backlighting Brightness under End-User Options.

Warning: DO NOT use any sharp objects to operate the touchscreen such as a pen or pencil.

Select Areas

There are four Select Areas in the display as seen in Figure 2. These Select Areas are one of the features that make the system so easy to operate. They allow you to make selections by pressing the area over each key, icon, or other selection to operate the keypad.

Warning: DO NOT use any sharp objects to operate the touchscreen such as a pen or pencil.

Panic Icons

Optional Panic functions allow users to send Police, Emergency, or Fire reports to the central station as seen in Figure 3. You must enable the Panic function in Installer Options in order to use the Panic Icons. See Programming Keypad Options later in this document.

Press the panic icon in the carousel menu to bring up the Panic Options menu. This icon can be seen in Figure 4. Press the panic menu icon for 2 seconds until a beep is heard. At the beep, the panel sends the following zone alarm reports to the central station:
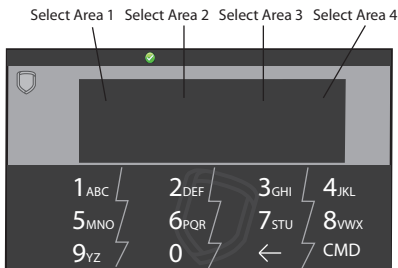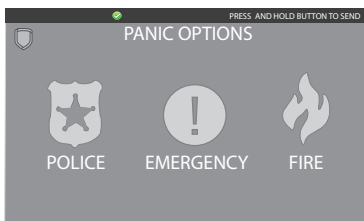

Figure 2: Touchscreen Select Areas

Figure 3 and Figure 4: Graphic Keypad Panic Icons

Panic - Zone 19 + Device Address
Emergency - non-medical - Zone 29 + Device Address
Fire - Zone 39 + Device Address

Keypad Backlighting

The touchscreen illuminates at the maximum brightness any time the display is pressed. During an alarm condition, the touchscreen turns Red. When all alarm conditions are cleared from the display, the keyboard, logo, and the user-selected brightness is restored.

Cleaning the Touchscreen Display

To minimize unintended key presses, select the keypad option from the main carousel menu and clean the touchscreen using a water dampened soft, lint-free cloth. Apply the water onto the cloth, do NOT apply directly onto the touchscreen. After cleaning, wipe the touchscreen dry with a soft, lint-free cloth. Touch the blue mini shield that displays in the upper left corner to return to the Main Screen.

Internal Speaker Operation

All keypads emit standard tones for screen presses, entry delay, and system alerts. The speaker also provides distinct burglary, fire, zone monitor, and prewarn cadences. The keypads provide an alternate prewarn with alarm cadence that occurs when the status list displays a zone alarm.

Micro SD Card

The 9800 Series Wireless Graphic Touchscreen Keypads provide a spring-loaded Micro SD card slot on the right edge of the keypad housing. This is used to load a custom logo onto the main screen. Insert the Micro SD card straight in, with the contacts facing the wall, pressing in until a click occurs from the spring mechanism. To remove the Micro SD card, gently press in to allow the spring to eject the card. Grasp the edges of the card with two fingers and remove. See Figure 5.

Figure 5: Micro SD Card Slot

Custom Dealer Logo

To display a custom dealer logo on the main screen, contact DMP Marketing at 1-800-641-4282 or privatelabel@dmp.com for information. To add a custom dealer logo, see the Dealer Logo option under Installer Options menu.

AC Power/Armed LED Operation

The LED indicates the Power and Armed status of the panel. Depending on the operation, the LED displays in Red or Blue as listed in the table.

Color and Activity	Operation
Blue Steady	Panel Disarmed, AC Power OK, Battery OK
Blue Blinking	Panel Disarmed, AC Power OK, Battery Fault
No Light	Panel Disarmed, AC Power Fault, Battery OK
Red Steady	Panel Armed, AC Power OK, Battery OK
Red/Blue Alternate	Panel Armed, AC Power OK, Battery Fault
Red Blinking	Panel Armed, AC Power Fault, Battery OK

Internal Card Reader

When a proximity credential is presented to an internal or external reader, a beep tone is heard and the Power/Armed LED blinks. This provides both an audible and visual acknowledgement of the credential read. See Figure 6.
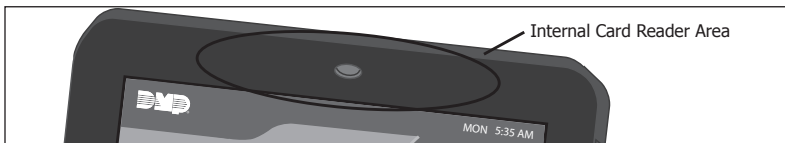

Figure 6: Internal Card Reader Area

End-User Options

All keypads provide three keypad adjustments the end-user can make through a User Options Menu. The user can also view the keypad model number and address.

Scroll through the carousel menu and press the Options icon until it glows. The screen displays the available options shown below. See Figure 7 for example.

Backlighting Brightness

Set the backlight illumination and AC Power/Armed LED brightness level. In the touchscreen display below SET BRIGHTNESS, press the left < to lower and the right > to raise the backlight brightness. If the brightness level is lowered, it reverts to maximum intensity whenever the screen is pressed during normal operation. If the screen is not pressed, and the speaker has not sounded for 30 seconds, the user-selected standby brightness level restores.

Internal Speaker Tone

Set the keypad speaker tone for screen presses. At the SET TONE display, use the left < to lower the tone and the right > to raise the tone.

Internal Volume Level

Set the keypad speaker volume level for screen presses, entry delay, and zone monitor conditions. During alarm, entry delay, and trouble tone conditions, the volume is always at maximum level. Use the left < to decrease the keypad volume and the right > to increase the volume.

Model Number

The LCD displays the keypad model number and firmware version and date in the top right corner of the screen. The user cannot change this information.
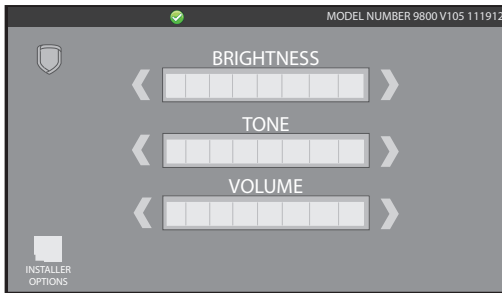

Figure 7: Options Screen

Keypad Serial Number

For your convenience, an additional pre-printed serial number label is included. Prior to installing the device, record the serial number or place the pre-printed serial number label on the panel programming sheet. This number is required during programming.

The keypads can be programmed into the control panel by entering the serial number in Device Setup panel programming, or alternatively using the wireless keypad association operation. A maximum of 4 keypads may be used with the panel.

Installing the Keypad

All DMP keypad housings are designed to easily install on any single-gang switch box or flat surface. Figure 9 shows the keypad housing base mounting hole locations.

Selecting the Proper Location

The 9800 Series Wireless Graphic Touchscreen Keypads provide a built-in survey capability in the Installer Options menu to allow one person to confirm keypad communication with the panel. See Accessing Keypad Wireless Survey later in this document.

Remove the Cover

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

1. Insert a flat screwdriver into one of the slots on the bottom of the keypad and gently lift the screwdriver handle toward you while pulling the halves apart. Repeat with the other slot. See Figure 8.

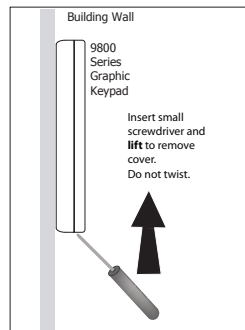2. Using your hands, gently separate the front from the base and set the cover and components aside.

Figure 8: Removing the Keypad Cover

Mounting the Keypad

Secure the keypad base to the wall ensuring that the wall tamper switch makes proper contact with the wall. Use the supplied screws in the mounting hole locations as shown in Figure 9.
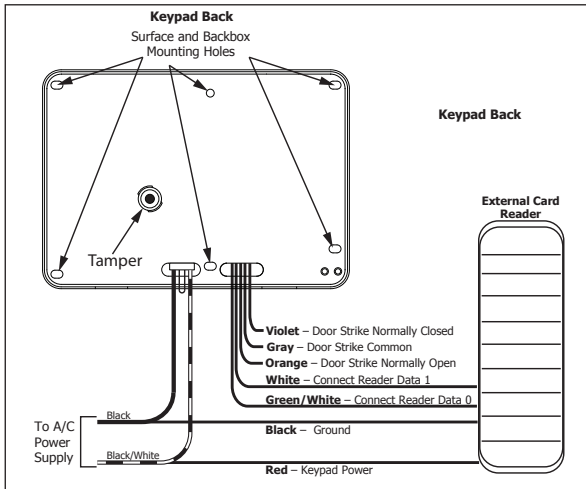

Figure 9: 12 Vdc Wiring

Primary DC Power Supply

Figure 10 shows the Model 373-500 plug-in DC power supply connector. The plug-in power supply provides a six foot cord. The cord may be lengthened, but should be located within 100 feet of the keypad using 22 AWG wire. For ease of connection, locate the keypad near a wall outlet.

In addition to powering the keypad, the power supply also charges the internal back-up battery. **OBSERVE POLARITY WHEN EXTENDING THE POWER SUPPLY CORD.**

Firmly grasp the wires near the base of the connector and hold the outside edges of the keypad housing. Connect the power supply to the J5 header on the 9800 Series Wireless Graphic Touchscreen Keypads.

Note: Do not remove the PCB from the keypad housing to install the power supply connector.

When the power supply connector is plugged into the keypad, the internal battery is automatically connected. The keypad can operate from battery only as long as the power supply connector is plugged into the keypad.
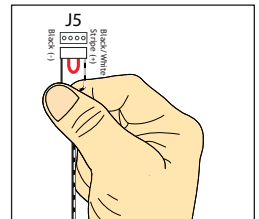

Figure 10: Installing the Wiring Harness

Standby Battery

The keypad rechargeable battery provides 24 hours of backup battery power when primary DC power is not available. It is shipped already installed inside the keypad. The battery is intended for backup power only and not to operate the keypad on a daily basis. If the battery is low, or not plugged into the internal J3 battery connector, a low battery condition is indicated by the panel when the battery falls below 3.62 volts. To restore the keypad from a low battery state, the voltage must be above 3.62.

Use the following steps to replace the battery. DMP recommends replacing the battery every 3 years under normal use.

Note: If removing the keypad from service, disconnect the power supply connector from the back of the keypad to avoid discharging the battery.

Battery Replacement

1. Disconnect the battery lead connector from the keypad J3 battery header.
2. Squeeze the battery straps to remove the standby battery.
3. Observe polarity and connect the battery lead connector to the keypad J3 battery header. See Figure 11.
4. Place the new battery (DMP Model 9800BAT) on the keypad PCB and replace the battery straps.
5. Properly dispose of the used battery.
   Caution: Risk of fire, explosion, and burns. Do not disassemble, heat above 212°F (100°C), or incinerate.
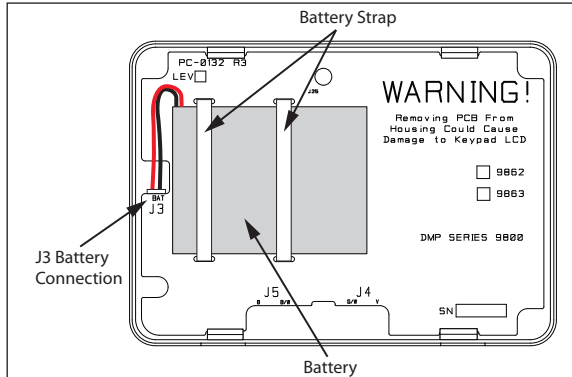

Figure 11: Battery Connection

Programming the Keypad in the Panel

The keypads can be programmed into the control panel by entering the serial number in Device Setup panel programming, or alternatively using the wireless keypad association operation. A maximum of 4 keypads may be used with the panel.

Device Setup Programming

Program the keypad as a device in Device Setup during panel programming. At the serial number prompt, enter the eight-digit serial number. Continue to program the device as directed in the panel programming guide.

Note: If the keypad serial number is entered manually, the Wireless Keypad Association operation is not required.

Wireless Keypad Association

To enable association operation in the XTL Series panel, press the XTL Series RESET button 3 times within 12 seconds allowing 3 seconds between each press of the reset button. When in keypad association, the XTL Series Red and Green logo LEDs turn on steady.

To enable association operation in the XR100/XR500, XR150/XR350/XR550 or XT30/XT50 panel, reset the panel 3 times within 12 seconds. Allow the keypad bus Transmit/Receive LEDs to turn back on between each reset.

To enable association operation in the keypad use the Keypad Wireless Survey feature.

For 60 seconds the panel listens for wireless keypads that are in the Installer Options Menu (3577 CMD) and have not been programmed, or associated into another panel. Those keypads are assigned to the first open device position automatically based upon the order in which they are detected.

Accessing Keypad Wireless Survey

Access the Options menu through the carousel menu. While in the Option display, press the Installer Options icon and enter the code 3577 (INST) at the keypad and press CMD.

```
KPD KPD  KPD
OPT DIAG RF  STOP
```

```
RF SURVEY
```

Keypad Wireless Survey (KPD RF)

Press KPD RF to start the RF communication survey test. The keypad Power/Armed LED turns Red, indicating communication has not been established with the panel receiver. When successful communication has been established, the keypad Power/Armed LED turns Blue.

Installer Options Menu

Keypad Options and Keypad Diagnostic menus allow installing and service technicians to configure and test keypad operation.

Access the Installer Options Menu

Access the Options menu through the carousel menu. While in the Option display, press the Installer Options icon and enter the code 3577 (INST) at the keypad and press CMD.

The Options menu allows you to set the keypad address, select Supervised or Unsupervised mode, selectively enable the Panic keys, Bypass, Request-to-Exit, and set entry card options.

Note: All programming options display on all keypad models, however, actual operation for some programming options is restricted to the appropriate model.

Programming Keypad Options

```
KPD KPD KPD
OPT DIAG RF    STOP
```

```
DEFAULT KPD MSG:
```

```
ARM PANIC KEYS:
*PN  *EM   *FI
```

```
NO OF USER CODE
DIGITS:     5
```

```
ALL?:        NO  YES
DELAY:        2
```

Keypad Options (KPD OPT)
To program keypad options, press KPD OPT.

Default Keypad Message
Enter a custom message of up to 16 characters to appear on the keypad display top line whenever that line is not used for any other purpose. Press any Select area to clear the current message and enter a new custom display.

Arm Panic Keys
Use this option to configure the Panic Icons. To enable or disable a Panic Icon, press the icon name: PN (Panic), EM (Emergency), and FI (Fire). Once the panic icon is enabled, an asterisk displays next to the description and the respective Panic icons display for the user. Refer to the Panic Icon Options section in this document.

Number of User Code Digits
The keypad recognizes user codes from 4 to 10 digits in length. Press the display to enter the user code digit length being used by the panel. Default is 5.
When searching the bit string for the user code, the digits are identified and read from left to right.

Arming/Disarming Wait Time
Select the number of seconds (1-9) the keypad should wait when an area system displays ALL? NO YES during arming/disarming or a HOME/SLEEP/AWAY 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 the YES or the AWAY key. Enter zero (0) to disable this feature. The delay also occurs when any credential is presented for arming the HOME/SLEEP/AWAY system.

```
ENABLE TAMPER?
                NO    YES
```

Enable Tamper?
Select YES to enable wall tamper protection.
Default is NO.

```
CARD OPTIONS
DMP           CUSTOM
```

Card Options
Select DMP to indicate the reader sends a 26-bit DMP data string. To save the DMP option, press DMP and then press CMD. Select CUSTOM if using a non-DMP credential.
To select CUSTOM press the right side of the display. When CUSTOM displays, press CMD.
Default is DMP.

Custom Card Definitions

```
WIEGAND CODE
LENGTH      26
```

Card Options
Wiegand Code Length
When using a custom credential, enter the total number of bits to be received in Wiegand code including parity bits. Press the display to enter a number between 0-255 to equal the number of bits. Default is 26 bits. Typically, an access card contains data bits for a site code, a user code, and start/stop/parity bits. The starting position location and code length must be determined and programmed into the keypad.
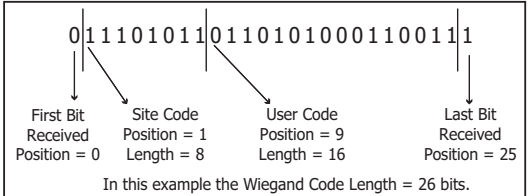


```
0 1 1 1 0 1 0 1 1 0 1 1 0 1 0 1 0 0 0 1 1 0 0 1 1 1

First Bit        Site Code        User Code         Last Bit
Received      Position = 1     Position = 9       Received
Position = 0   Length = 8      Length = 16       Position = 25

In this example the Wiegand Code Length = 26 bits.
```

Figure 12: HID 26-Bit Wiegand Data Stream Bit Location Example

```
SITE CODE:
POSITION     1
```

Site Code Position
Enter the site code start position in the data string. Press any select area to enter a number between 0-255. Press CMD to save the entry. Default is 1.

```
SITE CODE:
LENGTH       8
```

Site Code Length
Enter the number of characters the site code contains. Press any select area to enter a number between 1-16. Press CMD to save the entry. Default is 8.

```
USER CODE:
POSITION     9
```

User Code Position
Define the User Code start bit position. Press any select area to enter a number between 0-255. Press CMD to save the entry. Default is 9.

```
USER CODE:
LENGTH       16
```

User Code Length
Define the number of User Code bits. Press any select area to enter a custom number. Custom numbers can only be a number between 16-32. Press CMD to save the entry. The default is the DMP value of 16.

```
REQUIRE SITE
CODE:        NO   YES
```

Require Site Code
Press YES to use a site code, for non-DMP cards, and press CMD to view the site code entry display. Default is NO. In addition to User Code verification, door access is only granted when any one site code programmed at the SITE CODES entry option matches the site code received in the Wiegand string. You can program up to eight three-digit site codes.
Note: A card with a site code greater than three digits cannot be used. Use only cards with three-digit site codes.

```
SITE CODES 1-4
 >   >   >   >
```

Site Codes 1-4
Enter site codes 1-4 (left to right separated by > sign). Press the > sign to add, delete, or change the site code. Press CMD to save the entry. Site code range is 0-999.

```
SITE CODES 5-8
 >   >   >   >
```

Site Codes 5-8
Enter site codes 5-8 (left to right separated by > sign). Press the > sign to add, delete, or change the site code. Press CMD to save the entry. Site code range is 0-999.

```
NO COMM WITH PNL
 OFF
```

No Communication With Panel
This option defines the relay action when communication with the panel has not occurred for five seconds. Press any select area to display CHOOSE ACTION. The default is Relay Always Off.

```
CHOOSE ACTION
 OFF SITE  ANY ON
```

Choose the No Communication with Panel action that is required.
Press OFF to choose [Default] (Relay Always Off) — The relay does not turn on when any Wiegand string is received. Off does not affect any REX operation.
Press SITE to choose (Accept Site Code) — Door access is granted when the Wiegand site code string received matches any site code programmed at SITE CODE ENTRY. For details refer back to the REQUIRE SITE CODE option.
Press ANY to choose (Any Wiegand Read) — Door access is granted when any Wiegand string is received.
Press ON to choose (Relay Always On) — The relay is always on.
Press the CMD key to display the next action.
Press LAST to choose (Keep Last State) — The relay remains in the same state and does not change when communication is lost.

```
CHOOSE ACTION
 LAST
```

After choosing the action, the NO COMM WITH PNL option and the newly defined action display. Press CMD to save the entry. Press the Back Arrow to return to REQUIRE SITE CODE:.

```
SYSTEM
AREA A/P H/A HSA
```

System
Configure the keypad as the same system type selected in System Options panel programming. Select HSA when zones are assigned to Bedrooms for the Sleep area to be active.

```
DEALER LOGO
ADD        DELETE
```

```
ADDING LOGO
SURE?      NO  YES
```

Dealer Logo
Use this option to add a custom dealer logo to the Main Screen of the keypad. Prior to selecting ADD, insert a micro SD card into the slot on the right side of the keypad with the logo file. Select ADD to upload the file.
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
ADD        DELETE
```

```
ADDING INFO
SURE?      NO  YES
```

Select ADD at the DEALER INFO prompt to include information about the dealer when the logo is pressed on the Main Screen. The keypad displays ADDING INFO SURE? to confirm your selection. Press YES to proceed. While the info is being uploaded, the keypad displays ADDING INFO. ADDING INFO COMPLETED displays to confirm a successful upload. Once dealer logo and information have been successfully uploaded press in and release micro SD card to eject.

Contact DMP Marketing at 1-800-641-4282 or privatelabel@dmp.com for information about acquiring a logo.

Note: For instructions on loading a Custom Dealer Logo to the Main Screen of the keypad prior to being connected to the panel, see Additional Programming; Preloading Custom Dealer Logo and Information.

Carousel Z-Wave Items

The Z-Wave Carousel Items screen allows you to select the Z-Wave options to be displayed in the Carousel menu on the main screen. Press the item to select and a check-mark displays. Press again to de-select. Items for the Carousel include Lights, Locks, Thermostats and Favorites. Pressing CMD at the bottom of the screen advances to the next screen and the Back Arrow returns you to the previous option. Default is no items selected.

Figure 13: Carousel Z-Wave Items Screen

Shortcut Items

The Shortcut Items screen allows you to select additional menu items to be displayed in the Carousel menu on the main screen. Press the item to select and a check-mark displays. Press again to de-select. Items for the Carousel include User Codes, Schedules, and Events. Default is no items selected.

Select Z-Wave Edit to display the Z-Wave Edit icon on the Lights, Locks and Thermostats screens. Select Edit Favorites to display the Z-Wave Edit icon on the Favorites screen. If NO is selected, the Z-Wave Edit icon will not be displayed. For more information, see Z-Wave Edit Icon.

Figure 14: Shortcut Items Screen

Z-Wave Edit Icon

The Z-Wave Edit icon is a small, pencil shaped, shortcut that may be enabled and displayed in the lower left corner of the Z-Wave Lights, Locks, Thermostats, and Favorites screens accessed from the Carousel menu. This shortcuts allows the user to add, edit or remove Z-Wave devices and Favorites. When the icon is pressed on the Lights, Locks, or Thermostats screens, the keypad prompts for a User Code. Enter a valid user code and Z-WAVE SETUP? ADD LIST REMOVE displays. When the icon is pressed on the Favorites screen, the keypad prompts for a User Code. Enter a valid user code and FAVORITE NUMBER: - displays. For more information on Z-Wave devices and Favorites please see the panel user guide.

Figure 15: Z-Wave Edit Icon

Select Language

The Select Language screen allows you to select the language for text on the Home Screen and Carousel Menu Screens. Press the item to select and a check mark displays. Only one language may be selected. Default is English.

Note: The keypad does not translate information from the panel that is displayed in the Keypad screen such as the Status list.
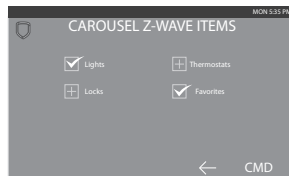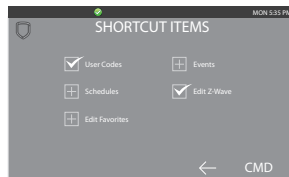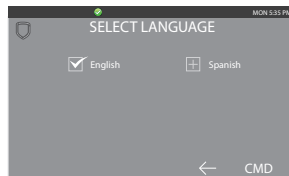

Figure 16: Select Language Screen

Accessing Keypad Diagnostics

If necessary, refer to Access the Options Menu earlier in this document.

```
KPD KPD  KPD
OPT DIAG RF    STOP
```

Keypad Diagnostics (KPD DIAG)

This option displays Zone Test.

```
Z1 OPEN    Z2 OPEN
Z3 OPEN    Z4 OPEN
```

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.

Note: The Zone Test displays on other keypads without built-in zones, but is not operational.

```
INPUT WIEGAND
```

Input Wiegand

This option tests the internal and external reader input from proximity credentials. The display shows OKAY each time a good proximity read is received.

Exiting the Installer Options

Press the CMD key until the display returns to the Installer Options screen. Select STOP to exit the Installer Options function.

Appendix
Preloading Custom Dealer Logo Information

A custom dealer logo and dealer information may be added to the Main Screen of the keypad prior to being connected to the panel. Use the following steps:

1. Connect the 12 Volt DC power supply to the keypad.
2. Power up the keypad and the keypad screen displays SYSTEM BUSY.
3. Press CMD to display ENTER CODE:.
4. Enter 3577 and press CMD to access the Installer Menu.
5. Press KPD OPT to access keypad options menu.
6. Press CMD until DEALER LOGO ADD DELETE displays.
7. Insert Micro SD card with dealer logo into the slot on the right side of the keypad.
8. Press ADD. Keypad displays ADDING LOGO SURE? YES NO.
9. Press YES to load dealer logo. Keypad displays ADDING LOGO.
10. When the dealer logo is successfully loaded the keypad displays ADDING LOGO COMPLETE.
11. Press CMD to exit Dealer Logo menu.
12. Keypad displays DEALER INFO ADD DELETE.
13. Press ADD. Keypad displays ADDING INFO SURE? YES NO
14. Press YES to load dealer information. Keypad displays ADDING INFO.
15. When the dealer information is successfully loaded the keypad displays ADDING INFO COMPLETE.
16. Press CMD to exit to Dealer Info menu.
17. Press Stop to exit Installer Menu.
18. Press in and release to eject the micro SD card

Note: If for any reason the logo or information fails to load the keypad displays BAD FORMAT. Contact DMP Marketing at 1-800-641-4282 or privatelabel@dmp.com for information about acquiring a logo.

Proximity Credentials

The keypads allow users to present a proximity credential to the built-in proximity reader. Users can also manually enter their user code into the keypad. The keypad verifies the user code and its authority with the panel. Additionally, the 9863 keypad activates the on-board Form C relay releasing a door strike or magnetic lock. To provide added flexibility, the 9863 Keypads allow connection of an external Wiegand output compatible reader.

Internal Access Control Reader

The 9862 and 9863 keypads provide a built-in proximity card reader designed to read DMP/HID 1300 Series proximity credentials.

External Access Control Reader

To accept Wiegand data input from other external card readers, connect a 12 VDC external reader to the 9863 keypad. Connect the Red and Black power wires from the reader to the Black/White and Black power wires from the keypad. Connect the Reader (Data 1) wire to the White wire on the 5-wire keypad harness. Connect the Reader (Data 0) wire to the Green/White wire on the 5-wire keypad harness. See Figure 9.

Programming Cards into the System

Access the User Menu by pressing the Keypad icon in the carousel menu on the main screen, then press CMD until MENU? NO YES displays.

From the User Menu, select USER CODES. Choose ADD. At the ENTER CODE: - display, present the credential to the reader. The keypad works by reading the 4 to 10-digit user code from the data sent by the access control reader. For more information, refer to Entry Cards in the programming section of this document and the panel User's Guide section on adding, deleting, and changing user codes.

Proximity Credentials Compatibility

DMP Keypads with internal proximity readers are compatible with most standard 125Khz Prox credentials available from HID and all DMP proximity credentials. DMP Keypads are not compatible with iClass.

There are custom and non-standard credentials from HID that are not compatible with DMP proximity keypads. If you are using HID cards that have not been purchased directly from DMP, it is recommended to thoroughly test the application fully before installation. DMP does not guarantee compatibility with credentials not purchased from DMP.

Door Strike Relay Specifications

The 9863 keypad provides one internal programmable Form C single pole, double throw (SPDT) relay for controlling door strikes or magnetic locks. Three wires on the 5-wire harness, Violet (N/C), Gray (Com), and Orange (N/O), allow you to connect devices to the relay. The Form C relay draws up to 15mA of current and the contacts are rated for 1 Amp at 30 VDC maximum, resistive. See Figure 9.

Keypad Arming and Disarming

Area system Arming and Disarming

Press the lock icon and select the arming/disarming option. The keypad displays ENTER CODE: -. Present your card to the reader. Once validated by the system, all areas assigned to your code arm or disarm automatically and the 9863 keypad Door Strike relay activates.
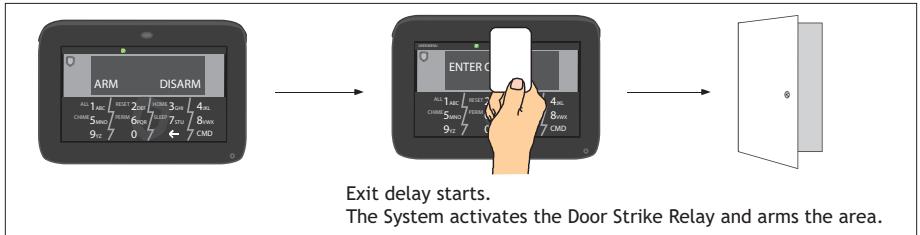

Exit delay starts.
The System activates the Door Strike Relay and arms the area.

Figure 17: Area Arming and Disarming

All/Perimeter System Arming and Disarming

Present your card to the reader, the keypad displays PERIM ALL when arming. Select the desired option. Once validated by the system, the selected areas arm or disarm automatically. On 9863 keypads, the Door Strike relay then activates.

Home/Away System Arming and Disarming

Present your card to the reader. If the system is armed, once the card is validated, all areas are disarmed and the keypad displays ALL SYSTEM OFF. If the system is disarmed when you present your card, once the card is validated, HOME SLEEP AWAY displays. Manually select HOME, SLEEP, AWAY or after a short time-out, all areas automatically arm in the AWAY mode.

Keypad Door Strike

Area and All/Perimeter Door Strike

From the Status List, present your card to the reader. Once the system validates the card, the Door Strike relay activates. Home/Away systems only activate the 9863 Door Strike relay when arming and disarming.
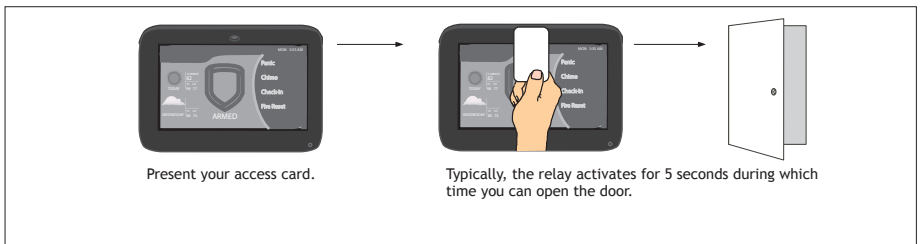

Present your access card.   Typically, the relay activates for 5 seconds during which time you can open the door.

Figure 18: Present Access Card

Keypad Entry Delay
All Systems
Once the entry delay starts, the keypad sounds an entry tone and displays
ENTER CODE: - . Present your card to the reader. Once validated, the system disarms
all areas accessible by you and activates the 9863 Door Strike relay. Area systems
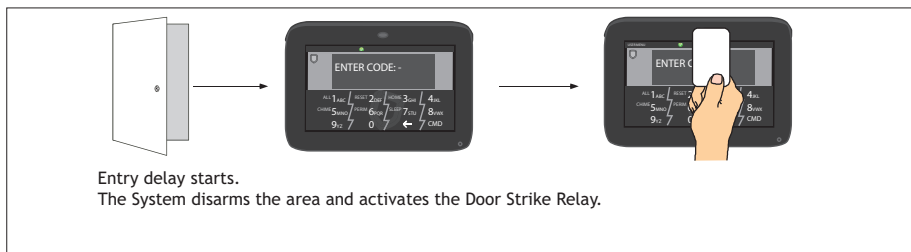provide a delay to allow selected areas only to be disarmed.

Entry delay starts.
The System disarms the area and activates the Door Strike Relay.

Figure 19: Entry Delay

Compliance Specifications
The keypad LED brightness setting must be set above the minimum setting.
Degraded Mode must be set to Relay Always Off.
Do not mount keypad on metal surfaces or metallic electrical boxes.

Keypad Specifications

MODEL	NORMAL/ STANDBY CURRENT	ALARM CURRENT	INTERNAL PROX READER	WIEGAND INPUT	INTERNAL DOOR STRIKE RELAY
9862	TBD	TBD	X		
9863	TBD	TBD	X	X	X

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 Licence-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.

Specifications

Operating Voltage	12 Vdc
Dimensions	5.8" W x 4.135" H x 0.6" D

Compatibility

All keypads are compatible with all XR100/XR500 Series, XR150/XR350/XR550 Series, XT30/XT50 Series, and XTL Series panels.

Listings and Approvals

FCC Part 15: CCKPC0132

Industry Canada: 5251A-PC0132

ETL

ANSI/UL 1023	Household Burglar
ANSI/UL 1076	Proprietary Burglar
ANSI/UL 1610	Central Station Burglar

Accessories

Proximity Credentials

1306P	Prox Patch™
1306PW	Prox Patch™ 26-Bit
1326 HID	ProxCard II® Card
1386 HID	ISOProx II® Card
1346 HID	ProxKey II® Access Device

Proximity Readers for 9800 keypads

PP-6005B ProxPoint® Plus	30mA Standby	75mA Peak
MP-5365 MiniProx™	20mA Standby	110mA Peak
PR-5455 ProxPro II®	25mA Standby	125mA Peak
TL-5395 Thinline™ II®	20mA Standby	115mA Peak

Keypad Mounting

694-7800	Keypad Backplate
695-7800	In Wall Backbox
698-7800	Plastic Keypad Wall Cover
699-7800	Keypad Deskstand with Cord