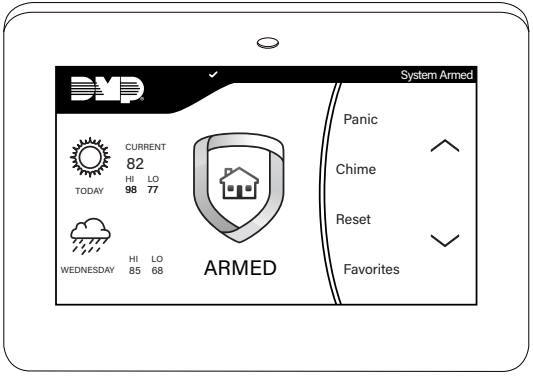
7800 International Series Graphic Touchscreen Keypad

INSTALLATION AND PROGRAMMING GUIDE



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ABOUT THE KEYPAD

7800INT Series International Graphic Touchscreen Keypads offer flexible features and functionality. Each keypad provides optional panic keys, an AC Power/Armed LED, an internal speaker, a simple terminal connection to a 4-wire keypad bus, and optional back boxes for conduit or wall mount applications. Each model provides its own distinct functionality.

7872-WINT

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Provides a door strike relay and allows Wiegand input from external card readers.

KEYPAD FEATURES

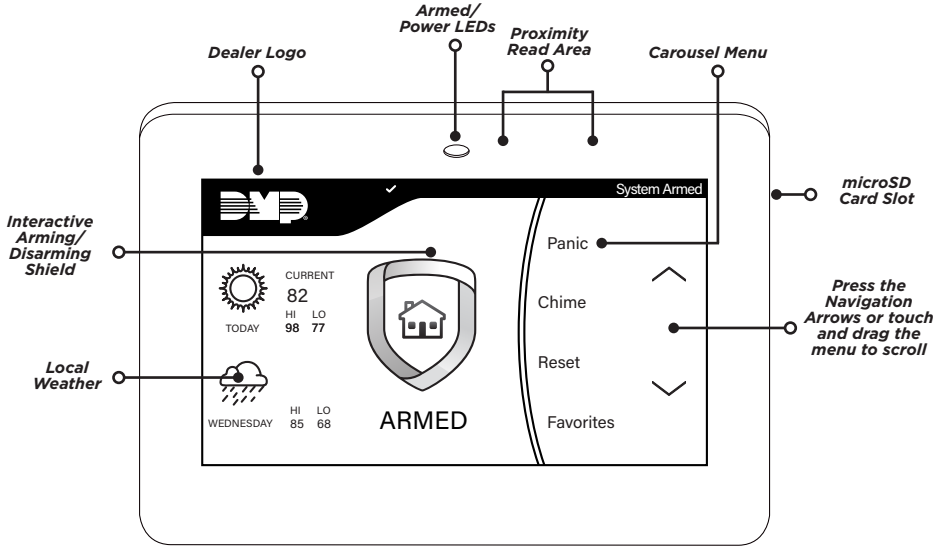


Figure 1: Keypad Features

Programmable Carousel Menu

Pick and choose what displays within the carousel menu on the home screen. Press **Options** in the carousel menu to adjust the keypad screen brightness, tone, and volume. Display custom options in the carousel menu by selecting and deselecting the appropriate choices under **Display In Menu**. 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.

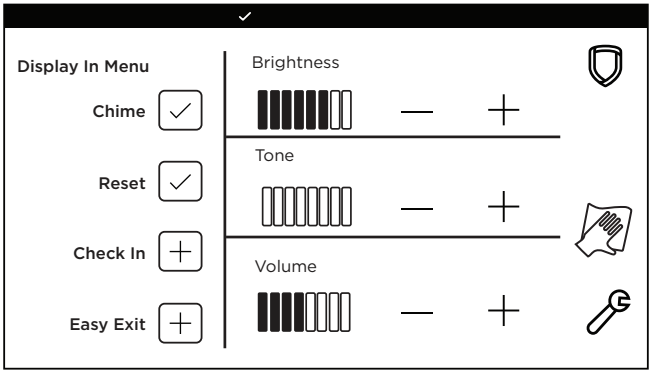


Figure 2: Keypad Options

ENTER CHARACTERS

Number Pad

1. Choose a character from the table. Use the *Greek Characters* table if the keypad language setting is Greek. Refer to Select Language. See Table 1.
2. Identify the **Number** the character corresponds 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 (Latin only). See Table 2. Refer to Figure 3.
4. When the desired character displays on the keypad, return to Step 1 to enter another character or press **CMD** if finished.

NUMBER	SELECT AREA			
	1	2	3	4
1	A	B	Γ	([{
2	Δ	E	Z	)] }
3	H	Θ	I	! ^ ~
4	K	Λ	M	? " |
5	N	Ξ	O	/ \ `
6	Π	P	Σ	& $
7	T	Y	Φ	@ %
8	X	Ψ	Ω	, =
9	SPACE	SPACE	SPACE :	_ ;
0	- +	. '	* <	# >

Table 1: Greek Characters

NUMBER	SELECT AREA			
	1	2	3	4
1	A	B	C	([{
2	D	E	F	)] }
3	G	H	I	! ^ ~
4	J	K	L	? " |
5	M	N	O	/ \ `
6	P	Q	R	& $
7	S	T	U	@ %
8	V	W	X	, =
9	Y	Z	SPACE :	_ ;
0	- +	. '	* <	# >

Table 2: Latin Characters

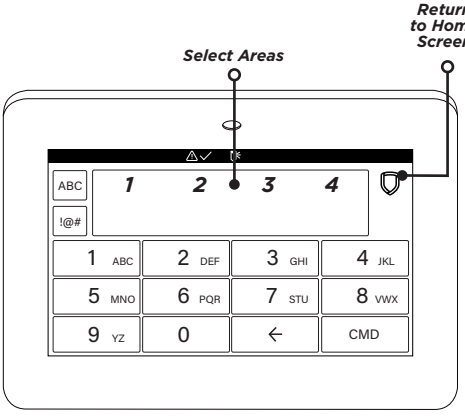


Figure 3: Number Pad

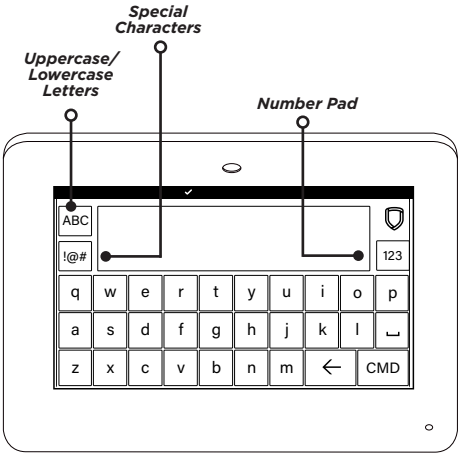


Figure 4: Standard Keyboard

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.

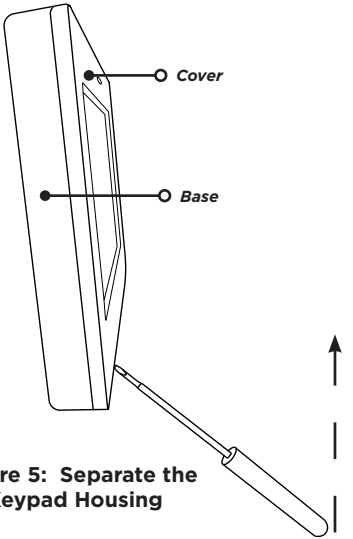


Figure 5: Separate the Keypad Housing

2 *Wire the Keypad*

Each keypad model has specific wiring assignments. All zones are supervised and suitable for burglary applications. The maximum zone line impedance is 100 Ohms. Ground fault is detected at 1420 Ohms or less. Locate your keypad model below and see Figure 6 to wire the keypad. See Wiring Specifications for additional wiring information.

Models 7872-WINT

Use a 4-wire cable for panel keypad bus connection and perform the following connections:

- Connect the red wire to panel terminal 7.
- Connect the yellow wire to panel terminal 8.
- Connect the green wire to panel terminal 9.
- Connect the black wire to panel terminal 10.

Models 7873-WINT

Use a 4-wire cable as needed for keypad bus and zone input connections. Use a 5-wire cable for external card reader connection. Use 1k Ohm EOL resistors DMP Model 311 on keypad zones 1-4. The following are optional 7873-WINT zone input connections for access control:

- Zone 1: Brown White/White Brown
- Zone 2: Red White/White Red (Zone 2 Bypass)
- Zone 3: Orange White/White Orange (REX)
- Zone 4: Yellow White/White Yellow

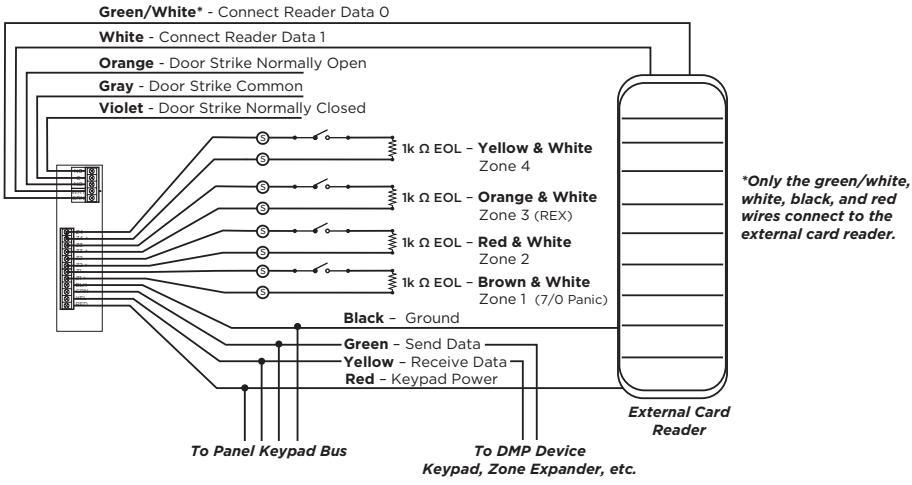


Figure 6: Access Control Wiring

3 *Wire for Access Control*

Internal Access Control Reader

7873-WINT and 7872-WINT keypads provide a built-in proximity card reader that is compatible with most standard 125 kHz proximity credentials. An external 13.56 MHz proximity reader can be connected and will be compatible with 13.56 MHz proximity credentials. For a list of publicly supported card formats, see Public Card Formats.

Note: Some proximity credentials are not compatible with DMP proximity keypads. Thoroughly test the intended proximity credentials with the application before installation. DMP does not guarantee compatibility with credentials not purchased from DMP.

External Access Control Reader

To accept Wiegand data input from other external card readers, connect a 12 VDC external reader to a 7873-WINT keypad. Connect the red and black power wires from the reader to the power wires from the panel. These connect in parallel with the keypad power wires. Connect the Reader (Data 1) wire to the white wire on the 5–wire keypad cable. Connect the Reader (Data 0) wire to the green/white wire on the 5–wire keypad cable. Refer to Figure 6.

4 *Wire the Electronic Lock*

7873-WINT keypads provide a Form C (SPDT) relay for controlling locks and other electronically-controlled barriers. Form C relay draws up to 15 mA of current. The contacts are rated for 1 Amp at 30 VDC maximum, resistive. The three terminals marked **NO C NC** allow you to connect the device wiring to the relay for module control. Use an additional power supply to power magnetic locks and door strikes. See Figure 7 and Figure 8.

5 *Wire the 333 Suppressor*

Use the included 333 suppressor with the keypad to suppress any surges caused by energizing a magnetic lock or door strike. Install the 333 across the keypad **C** (common) and **NO** (normally open) or **NC** (normally closed) terminals.

If the device being controlled by the relay is connected to the **NO** and **C** terminals, install the suppressor on the **NO** and **C** terminals. Conversely, if the device is connected to the **NC** and **C** terminals, install the 333 Suppressor on **NC** and **C** terminals. See Figure 7 and Figure 8.

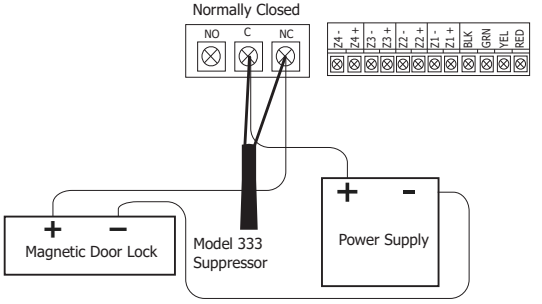


Figure 7: Typical Magnetic Lock Wiring

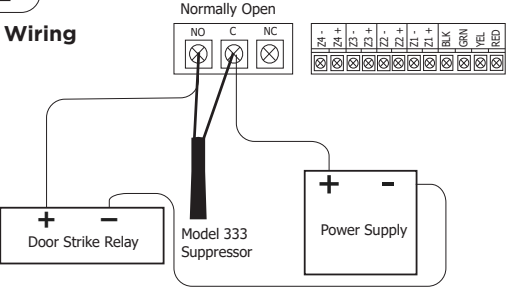


Figure 8: Typical Door Strike Wiring

MOUNT THE KEYPAD

Tamper Protection

1. Insert the included tamper puck into the base. See Figure 9.
2. Secure the tab to the wall with a #6 screw.
3. Ensure all cables are routed through the housing holes before fully mounting the base to the wall.
4. Use #6 screws to secure the keypad base to the surface.
5. Place the keypad cover back onto the base and snap into place.

Note: All DMP keypad housings are designed to install on any 4" square box, 3-gang switch box, DMP 695 and 696 back-box, or a flat surface.

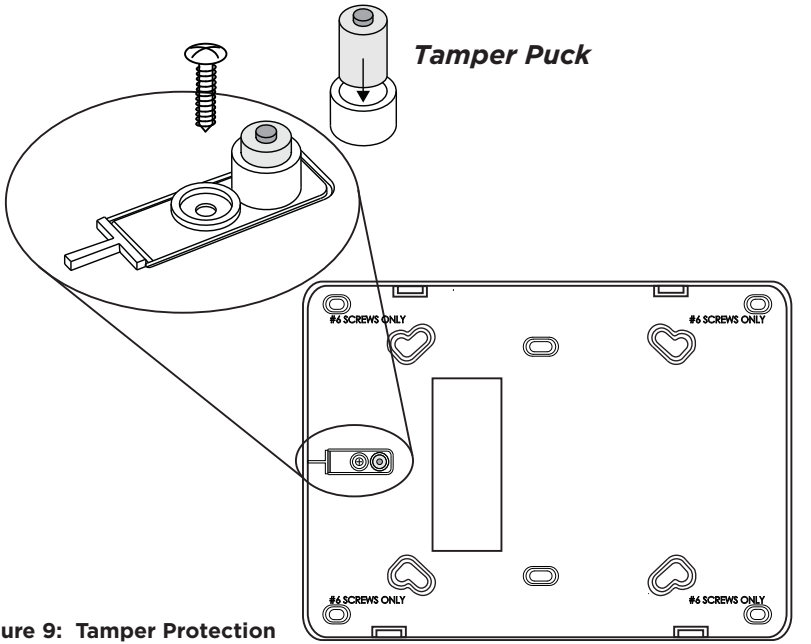


Figure 9: Tamper Protection

PROGRAM THE PANEL

To access the Programmer menu, reset the panel, press **Keypad** in the carousel menu, enter **6653** (PROG) and **CMD** for XR International Series panels or enter **665** (PRO) and **CMD** for XT30INT panels.

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

DEVICE SETUP

Advance to Device Setup, then press a select area to enter the setup menu.

DEVICE SETUP
DEVICE NO: -

Device Number

Set the keypad address from 1-8 for XT30INT, and XR150INT Series panels, or 1-16 for XR550INT Series panels.

DEVICE SETUP
UNUSED

Device Name

Enter a name for the device.

DEVICE SETUP
TYPE: **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**.

DEVICE SETUP
COMM TYPE: **KPD**

Communication Type (Door)

Ensure the **COMM TYPE** is set to **KPD** (Keypad Bus).

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. Access the Keypad Diagnostics menu by pressing **Options** in the carousel menu. Press the **Installer Options** or wrench icon and enter **3577** (INST) and **CMD** for XR International Series panels or enter **357** and **CMD** for XT30INT panels.

KEYPAD OPTIONS

To program keypad options, press the select area under **KPD OPT**.

Current Keypad Address

Set the current keypad address from 01 to 08 for XT30INT or XR150INT Series panels. Set the address from 01 to 16 for XR550INT Series panels. The default address is set at **1**. To change the current address, press any select area to clear the keypad display, enter the new address, and press **CMD**. It's not necessary to enter a leading zero for addresses 01 to 09.

KEYPAD MODE:
*SUP UNSUP

Keypad Mode

Keypads with programmed zones must be supervised and cannot share an address with other keypads. Unsupervised keypads can operate together sharing the same address, but cannot be used when Device Fail Output has a programmed value other than zero. To select a keypad mode, press the select area under **SUP** or **UNSUP**. An asterisk appears next to the selected option.

DEFAULT KPD MSG:

Default Keypad Message

Enter a custom message of up to 16 characters to appear at the top of the keypad display. Press any select area, enter a new message, and press **CMD**. See Enter Characters.

ARM PANIC KEYS:
*PN *EM *FI

Arm Panic Keys

Use this option to enable or disable the panic keys. Press the name: **PN** (panic), **EM** (emergency), and **FI** (fire). Once the panic option is enabled, an asterisk displays next to the selected option(s).

ACTIVATE ZONE 2
BYPASS? **NO** YES

Activate Zone 2 Bypass

Select YES to activate the Zone 2 Bypass operation. Select NO to allow standard Zone 2 operation. The default is NO.

You can program a bypass entry/exit timer on protected (contact installed) doors by connecting the contact wiring to keypad Zone 2. When the on-board Form C relay activates and the user opens the protected door, the zone is delayed by the **Zone 2 Bypass Time**. This allows the user to enter/exit during an armed period.

If Zone 2 does not restore (the door doesn't close) within the programmed time, the keypad sounds every other second during the last ten seconds and sends the open or short zone condition to the panel. If Zone 2 does restore prior to the end of the programmed time, the keypad silences.

ZONE 2 BYPASS
TIME: **40**

Zone 2 Bypass Time

Enter the number of bypass seconds to elapse before the bypass timer expires. Range is 20-250 seconds. Press any select area to clear the keypad display and enter the number of seconds. Default is **40** seconds.

RELOCK ON ZONE 2
CHANGE: **NO** YES

Relock on Zone 2 Change
Select **NO** (default) to leave the relay on when Zone 2 changes to an open or short condition during bypass. Select **YES** to turn the relay off when Zone 2 changes to open or short during bypass.

ACTIVATE ZONE 3
REX? **NO** YES

Activate Zone 3 Exit

Select **YES** to activate Zone 3 Request to Exit (REX). Select **NO** for standard zone operation on Zone 3. Default is **NO**.

Connect a motion sensing device or a mechanical switch to Zone 3 to enable REX. When Zone 3 shorts, the on-board Form C relay activates for the programmed number of seconds. See Zone 3 REX Strike Time.

During this time, the user can open the protected door to start the Zone 2 bypass timer. After the programmed time period elapses, the relay restores the door to locked.

The keypad provides a bypass-only option for REX on Zone 3. When Zone 3 opens from a **NORMAL** state, only a bypass occurs: the on-board relay does not activate. This bypass-only option uses two methods of REX. The first REX device provides the programmed bypass entry/exit timer. The second REX unlocks the door.

ZONE 3 REX STRIKE TIME: **5**

Zone 3 REX Strike Time
Enter the number of REX seconds to elapse. Range is from 5-250 seconds. Press any select area to clear the keypad display and enter the number of seconds. Default is **5**.

ALL?: NO YES DELAY: **2**

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**. Enter zero (**0**) to disable this feature. Default is **2**.The delay also occurs when a credential is presented for arming the H/S/A system.

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.

EN 50131 **NO** YES

Security Grade

Select **YES** for security Grade 3. Select **NO** for security Grade 0 (zero). Default is **NO**.

ANY CARD FORMAT
NO YES

Any Card Format

Select **YES** to allow all 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. Default is **NO**.

Note: This prompt only appears when you plug the keypad directly into a 734INT module.

CARD FORMATS
FORMAT NO: -

Card Formats

Select the slot number (1-7) that you would like to program a custom non-DMP card format into. Select **8** if you would like to program a DMP card format. See Public Card Formats for some publicly available card formats that can be used with the 734INT. Other private or custom formats may also be compatible. Please contact the credential supplier or manufacturer for the bit structure.

FORMAT NAME
UNUSED

Format Name

Press any select area to rename the card format. Press **CMD** to save and advance.

WIEGAND CODE LENGTH:	**26**

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 area to enter a number between 1-255 to equal the number of bits. Default is **26** bits.

Typically, 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.

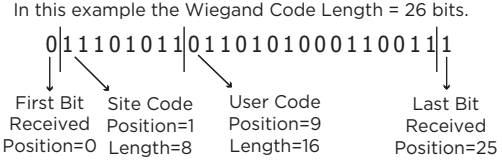


Figure 10: Data Stream Bit Location Example

SITE CODE	
POS: **1**	LEN: **8**

Site Code Position and Length

Enter the site code position and length in the data string. Press select area 2 to clear the site code start position. 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	
POS: **9**	LEN: **16**

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. Default is the DMP value of **16**.

REQUIRE SITE CODE: **NO** YES

Require Site Code

Press the select 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 **SITE CODE** matches the site code received in the Wiegand string.

SITE CODE 1:

Site Code Display: Program up to 8 eight-digit site codes. 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 the next site code and so on.

NO OF USER CODE DIGITS: **5**

Number of User Code Digits

The keypad recognizes user codes from 4-12 digits in length. Press any select area to clear the keypad display and enter the user code digit length used by the panel. Default is 5. For an XR Series International area type, use 4-10 digits (typically 5). For all other systems and panels, use 4 digits. Any selection above 5 digits requires entry of the custom card definitions with custom site and user code positions for the Wiegand string.

Note: User codes will have a required minumum length of 5 digits when **Grade 3** is enabled.

NO COMM WITH PNL **OFF**

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:

OFF SITE ANY ON

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.

OFF SITE ANY ON	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.
OFF SITE ANY ON	Press the third select key or area to choose **ANY** (Any Wiegand Read). Access is granted when any Wiegand string is received.
OFF SITE ANY ON	Press the fourth select key or area to choose **ON** (Relay Always On). The relay is always on.
LAST	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 OPTIONS
AREA A/P H A/A HSA

System Type

Program the keypad as the same system type selected in panel programming.

DEALER LOGO
ADD DELETE

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 13. Select **ADD** to upload the file to the keypad.

ADDING LOGO
SURE? NO YES

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
ADD DELETE

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? NO YES

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.

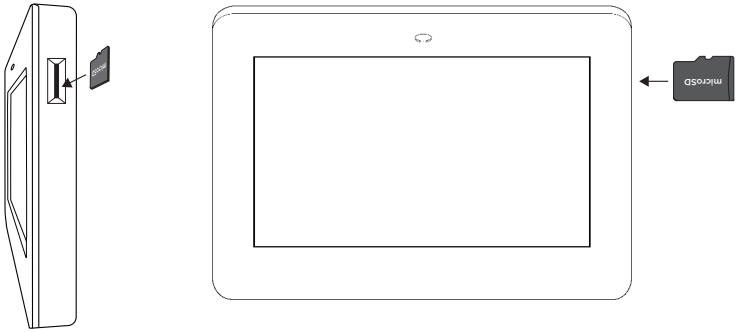


Figure 11: Inserting a microSD Card

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.

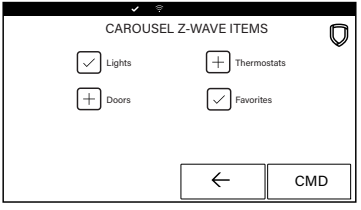


Figure 12: Carousel Z-Wave Items

Shortcut Items

Select **SHORTCUT ITEMS** to display additional items in the carousel menu. 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.

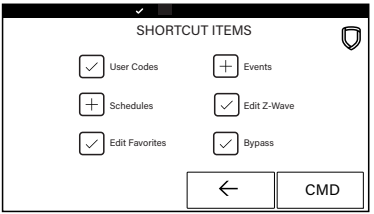


Figure 13: Shortcut Items

Select Language

Use **SELECT LANGUAGE** to select the language for text on the home screen, the carousel menu screens, and some programming screens. Only one language can be selected at a time. Default is English. See Figure 14.

Note: The keypad does not translate information from the panel that displays on the keypad screen.

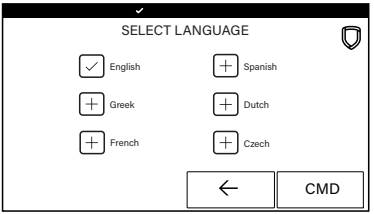


Figure 14: Select Language

ADDITIONAL PROGRAMMING

Users can manually enter their user code into the keypad which then verifies the user code and its authority with the panel. 7873-WINT keypads activate the on-board Form C relay releasing a door strike or magnetic lock. To provide added flexibility, the keypad allows connection of an external Wiegand output compatible reader.

Note: User codes will have a required minumum length of 5 digits when **Grade 3** is enabled.

Program a Credential

1. Access the User Menu by pressing **CMD** until **MENU? NO YES** displays, choose **YES** and present your proximity credential to the reader or manually enter your user code at the keypad.
2. Press **CMD** until **USER CODES?** displays.
3. Press any select key. Choose **ADD**.
4. At **ENTER CODE: -**, present the credential to the reader. The keypad works by reading the 4-digit user code from the data string sent by the access control reader.

Update the Keypad

Use the **Restart Keypad** screen to initiate a firmware update, add a dealer logo, or add dealer contact information from a microSD card. This process takes approximately 5 minutes to complete.

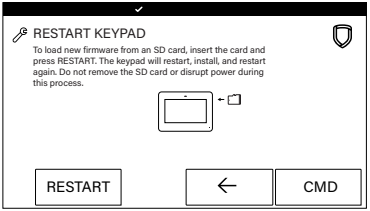


Figure 15: Restart Keypad

Update Firmware Using Restart

1. Navigate to DMP.com/Dealer_Direct and select **Software Downloads** from the navigation menu.
2. Select a **Software Update**.
3. Select **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) and **CMD** for XR Series International panels or **357** and **CMD** for XT30INT Series panels.
8. Select **KPD OPT**.
9. Press **CMD** until **Restart Keypad** displays (After the **Select Language** screen). See Figure 15.
10. Press **Restart**. Do not remove the microSD card or disrupt power.
11. The update is complete when the keypad returns to the home screen. Remove the microSD card.

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 **CMD** for XR Series International panels or enter **357** and **CMD** for XT Series International panels.

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 the entry delay feature, if programmed. 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:

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

Note: If **PIN Disarm?** is set to **NO**, then only access credentials, wireless key fobs, and remote disarm can be used to 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.

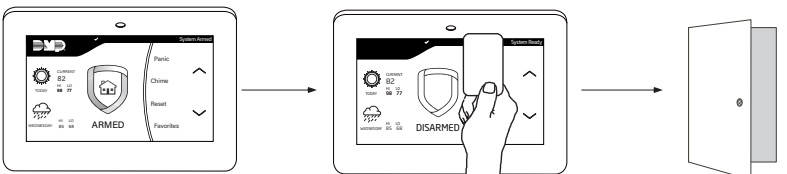
Touchless Arming

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

Access an Area Using the Door Strike

If the Door Strike Relay was wired and programmed at the keypad, present a credential to the proximity reader. Once the system validates the card, the Door Strike Relay activates. See Figure 16.



While the keypad displays the Armed shield, present your access card.

The relay activates for 5 seconds. During this time, you can open the door. You have 40 seconds to exit and close the door before the time expires.

Figure 16: Present Access Card

Use Entry Delay When Disarming

If Entry Delay was programmed at the keypad for area system types, the keypad sounds an entry tone and displays **ENTER CODE:** if an access door was accessed. Present a credential to the proximity reader. Once validated, the system disarms all areas accessible by the credential and activates the Door Strike Relay. Area systems provide a delay to allow selected areas only to be disarmed. See Figure 17.

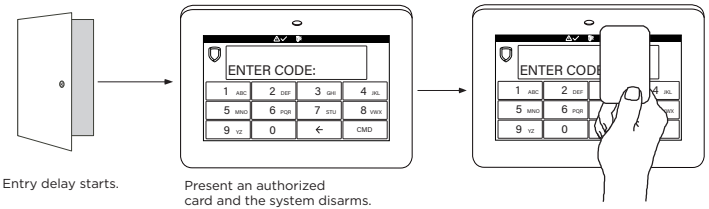


Figure 17: Entry Delay

Icon Reference

Arming Shield Icons

Armed

Home Sleep Away Perimeter All System

Alarm

Burglary Fire

Quick Arm

Ready To Exit

Exit Timer

Enter Code Arm Instant

Popups

Attention List Alert

Menu

Home Installer Navigation Edit Clean Screen

Arming Options

Home Sleep Away Perimeter All System

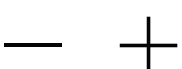
Panic Options

Police Emergency Fire

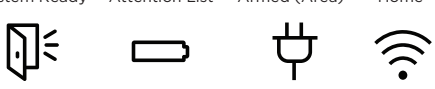
Z-Wave

Z-Wave Thermostats

Controls



Status Bar Header



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 18 and Figure 19.

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**.

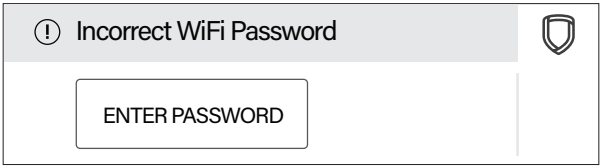


Figure 18: Incorrect Wi-Fi Password Dialog

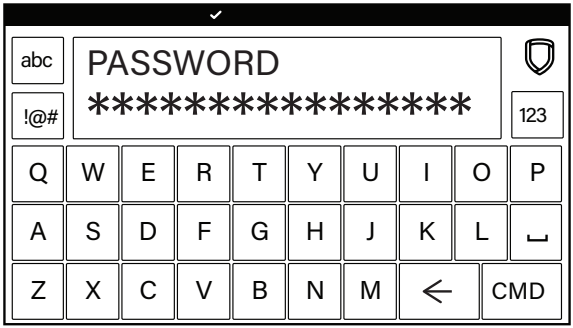


Figure 19: Enter Wi-Fi Password Screen

Clean the Keypad

The Clean Keypad Screen option locks the screen for 40 seconds so you can clean it without accidentally pressing buttons.

Use gentle pressure to clean the display, screen, keys, and housing. Use only alcohol sprays or wipes that contain 70% isopropyl alcohol to clean keypad surfaces.

Avoid spraying cleaner directly onto the keypad, oversaturating cleaning cloths, or allowing cleaner to make contact with internal electronic components, cables, or power sources.

1. In the Carousel Menu, tap **Options**.
2. Tap Clean Keypad Screen.
3. 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.
4. Wait 10 seconds, then completely dry all keypad surfaces.
5. If necessary, use a clean, dry microfiber cloth to gently remove streaking.

After the countdown timer expires, the keypad returns to normal operation. To exit the countdown early, press and hold the Shield icon for 2 seconds.

WIRING SPECIFICATIONS

When planning a keypad bus installation, keep in mind the following specifications:

- DMP recommends using 18 or 22-gauge unshielded wire for all keypad and LX-Bus circuits. Do not use twisted pair or shielded wire for LX-Bus and keypad bus data circuits. To maintain auxiliary power integrity when using 22-gauge wire, do not exceed 152.4 meters. When using 18-gauge wire, do not exceed 304.8 meters. Install an additional power supply to increase the wire length or add devices.
- Maximum distance for any one circuit (length of wire) is 762 meters regardless of the wire gauge. This distance can be in the form of one long wire run or multiple branches with all wiring totaling no more than 762 meters. As wire distance from the panel increases, DC voltage on the wire decreases.
- Maximum number of devices per 762 meter circuit is 40.

  Note: Each panel allows a specific number of supervised keypads. Add additional keypads in the unsupervised mode. Refer to the panel installation guide for the specific number of supervised keypads allowed.
- Maximum voltage drop between the panel (or auxiliary power supply) and any device is 2.0 VDC. If the voltage at any device is less than the required level, add an auxiliary power supply at the end of the circuit. When voltage is too low, the devices cannot operate properly.

PUBLIC CARD FORMATS

CARD FORMAT	WIEGAND CODE LENGTH	SITE CODE POSITION	SITE CODE LENGTH	USER CODE POSITION	USER CODE LENGTH	USER CODE DIGITS
H10301 26-Bit	26	1	8	9	16	5
H10302 37-Bit w/o FAC	37	0	1	1	35	11
H10304 37-Bit w/ FAC	37	1	16	17	19	6
Farpointe 39-Bit	39	1	17	18	20	7
Corporate 1000 35-Bit	35	2	12	14	20	6
Corporate 1000 48-Bit	48	2	22	24	23	7
DMP Bluetooth 56-Bit	56	1	16	17	34	10

READERS AND CREDENTIALS

125 kHz WIEGAND PROXIMITY READERS	
P-300	Cascade Proximity Reader
P-500	Alps Proximity Reader
P-620	Denali Proximity Reader With Keypad
P-640	Patagonia Proximity Reader With Keypad
MP-5365	MiniProx™ Proximity Reader
MX-5375	MaxiProx® Proximity Reader
PP-6005B	ProxPoint® Plus Proximity Reader
PR-5355	ProxPro Proximity Reader With Keypad
PR-5455	ProxPro® II Proximity Reader
TL-5395	ThinLine II® Proximity Reader
SR3	Bluetooth and Proximity Reader

125 kHz PROXIMITY CREDENTIALS	
PSC-1	Standard Light Proximity Card
PSK-3	Proximity Key Ring Tag
PSM-2P	ISO Imageable Proximity Card
1306	Prox Patch™
1326	Proxcard II® Card
1346	ProxKey III® Access Device
1351	ProxPass®
1386	IsoProx II® Card

BLUETOOTH MOBILE CREDENTIALS
Mobile Credentials (SR3)

13.56 MHz WIEGAND SMARTCARD READERS	
DELTA3*	Mullion Mount Smartcard Reader
DELTA5*	Single-Gang Box Mount Smartcard Reader
DELTA6.4*	Smartcard Reader With Keypad
CSR-35P	Bluetooth Smartcard Reader

13.56 MHz SMARTCARD CREDENTIALS	
DE2	MIFARE® DESfire® EV2 Smartcard
CSK-2	MIFARE® DESfire® EV2 Key Fob Smartcard

ORDERING INFORMATION

Keypads

7872-BINT	Graphic Touchscreen Keypad (black, 4 zones, prox reader)
7872-WINT	Graphic Touchscreen Keypad (white, 4 zones, prox reader)
7873-WINT	Graphic Touchscreen Keypad (white, 4 zones, prox reader, relay)

Accessories

Wiring Harnesses

300-7800-5	Replacement 5-Wire Harness
300-7800-12ADPT	12-Wire Harness Adapter

Backboxes, Mounting Plates, and Stands

694-7800-W	7800 Keypad Backplate (white)
695-7800-B	In Wall Mount Backbox (black)
695-7800-W	In Wall Mount Backbox (white)
695-7800-SFC-W	7800 Keypad Conduit Backbox (white)
698-7800-B	Plastic Keypad Wall Cover (black)
698-7800-W	Plastic Keypad Wall Cover (white)
699-7800	Keypad Deskstand (with hardware and cord)

COMPLIANCE SPECIFICATIONS

Keypad Specifications

Operating Voltage	12 VDC
Dimensions	17.78 cm W x 13.335 cm H x 1.27 cm D
Weight	0.43 kg
Tamper Security	Type B Fixed
Security Grade	3
Environment Class	II
Operating Temperature	0 °C to 49 °C
Relative Humidity	80%

Model	Normal/Standby Current	Alarm Current	Four Zones	Internal Prox Reader	Wiegand Input	Internal Door Strike Relay
7872INT	130 mA + 1.6 mA per active zone	165 mA + 2 mA per active zone	✔	✔		
7873INT	130 mA + 1.6 mA per active zone	165 mA + 2 mA per active zone	✔	✔	✔	✔

Compatibility

XT30INT Series panels

XR150INT/XR550INT Series panels

What Is Included?

One LCD Keypad

One Model 333 Suppressor (7873-WINT only)

INTERNATIONAL CERTIFICATIONS

Security Grade	**3**
Environment Class	**II**
Intertek (ETL) Listed	

EN 50130-4:2011+A1:2014	Alarm systems. Electromagnetic compatibility. Product family standard: Immunity requirements for components of fire, intruder, hold up, CCTV, access control and social alarm systems.
EN 50130-5:2011	Alarm systems. Environmental test methods.
EN 50131-1 2006+A1:2009	Alarm systems. Intrusion and hold-up systems. System requirements.
EN 50131-3:2009	Alarm systems. Intrusion and hold-up systems. Control and indicating equipment.
EN 60839-11-1:2013	Alarm and electronic security systems. Electronic access control systems. System and components requirements.
EN 61000-3-2:2006+A1+A2	Electronic compatibility (EMC). Limits – Limits for harmonic current emissions.
EN 61000-3-3:2013	Electromagnetic compatibility (EMC). Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipments with rated current ≤16 A per phase and not subject to conditional connection.
EN 61000-6-4:2007	Emission standard for industrial environments.

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