7000 International Series Thinline™ Keypad

INSTALLATION AND PROGRAMMING GUIDE

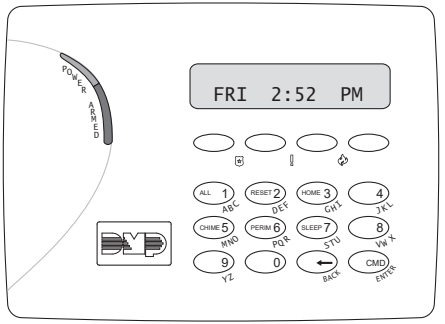


TABLE OF CONTENTS

ABOUT THE KEYPAD

7000INT Series International Thinline Keypads offer flexible features and functionality. Each keypad provides a custom home or business name in the 32-character LCD display, optional panic keys, an AC Power/Armed LED, a backlit keyboard and logo display that turns red in alarm conditions, an internal speaker, a simple terminal connection to a 4-wire keypad bus, and optional backboxes for conduit or wall mount applications. Each model provides its own distinct functionality. See Figure 1 for keypad features.

7060-WINT

Basic keypad functionality.

7063-WINT

Built-in proximity card reader designed to read proximity credentials.

7073-WINT

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

Provides a built-in proximity card reader designed to read proximity credentials.

Four fully-programmable Class B, Style A, supervised, power limited protection zones that can be programmed for a variety of burglary and access control applications.

KEYPAD FEATURES

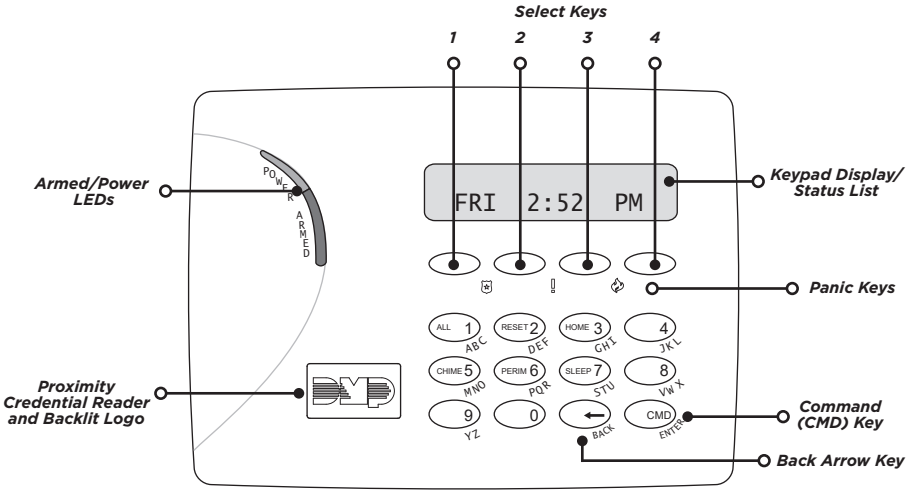


Figure 1: Keypad Features

ENTER CHARACTERS

Number Pad

1. Choose a character from the table. Use the *Greek Characters* table if Greek was selected as the keypad language setting.
2. Identify the **Number** the character correlates with and press that number on the number pad.
3. Identify the **Select Key** for the character and press that select key on the keypad. Press that select key again for the lowercase letter (Latin characters only).
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	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 1: Latin Characters

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 2: Greek Characters

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 flathead screwdriver into one of the slots on the bottom of the keypad and gently lift the screwdriver upward. Repeat with the other slot. Gently separate the cover from the base and set the cover containing the keypad components aside. See Figure 2.

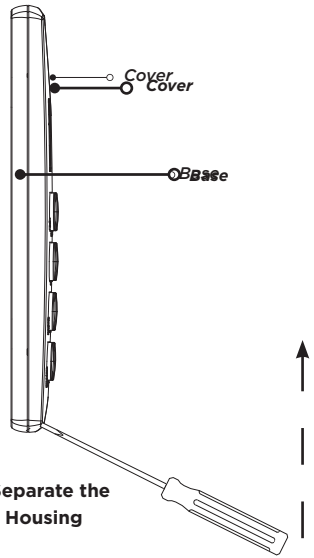


Figure 2: Separate the Keypad Housing

2 *Wire the Keypad*

Each keypad model has specific wiring assignments. All zones are supervised. The maximum zone line impedance is 100 Ohms. Ground fault is detected at 1420 Ohms or less. Locate the keypad model below and refer to Figure 3 to wire the keypad.

Model 7060-WINT and 7063-WINT

Use a 4-wire cable for panel keypad bus connection. See *Wiring Specification*s for additional wiring information.

Model 7073-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 DMP Model 311 1k Ohm EOL resistors on keypad zones 1-4. Connect the red wire to panel terminal 7, connect the yellow wire to panel terminal 8, connect green wire to panel terminal 9, and connect black wire to panel terminal 10.

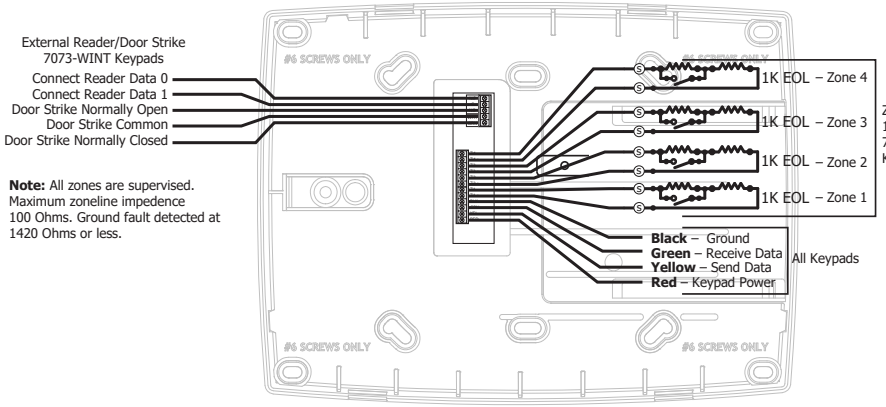


Figure 3: Keypad Back Showing Wiring Assignments

3 *Wire for Access Control*

Internal Access Control Reader

The 7063-WINT and 7073-WINT keypads provide a built-in proximity card reader that is compatible with most standard 125 kHz 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. Test the intended proximity credentials with the application before installation. DMP does not guarantee compatability 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 7073-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. See Figure 4.

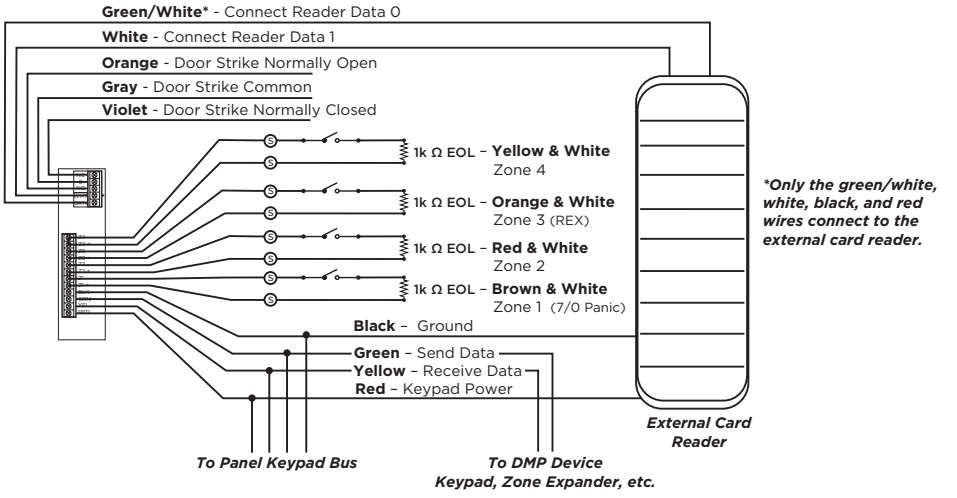


Figure 4: Access Control Wiring

4 *Wire the Electronic Lock*

The 7073-WINT keypad provides a Form C (SPDT) relay for controlling locks and other electronically-controlled barriers. The Form C relay draws up to 15 mA of current and the contacts are rated for 1 Amp at 30 VDC maximum. 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 Figures 5a and 5b.

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 Figures 5a and 5b.

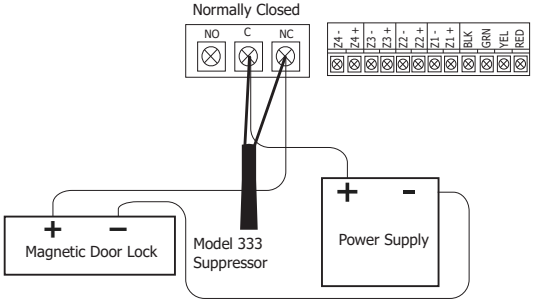


Figure 5a: Typical Magnetic Lock Wiring

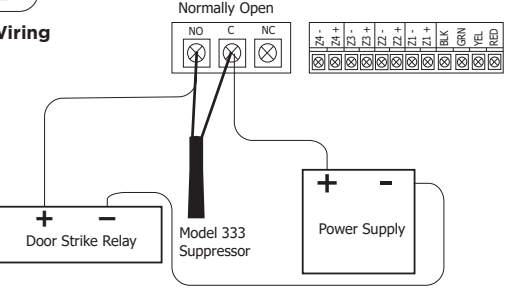


Figure 5b: Typical Door Strike Wiring

Door Strike Relay Operation

When the user code sent from the reader is verified by the panel, the keypad door strike relay activates for five seconds. During this time, the access door connected to Zone 2 must be opened to start the programmed entry/exit timer and Zone Bypass if programmed and used. The five second door strike is panel programmable when the keypad is used on an XR150INT/XR550INT Series panel.

Zone 2 Door Contact with Bypass

If the door being released by the 7073INT keypad is protected, you can provide a programmed bypass time by connecting its contact to Zone 2 (white/red pair) on the keypad and enabling the bypass feature. Door contacts may be N/C or N/O.

Zone 3 Request to Exit

You can also connect a N/O PIR (or other motion sensing device) or a mechanical switch to Zone 3 (white/orange pair) on the 7073INT keypad to provide Request to Exit (REX) capability. When Zone 3 shorts, the keypad relay activates for 5 seconds. During this time, the user can open the protected door to start the programmed Bypass entry/exit timer. If the door is not opened within five seconds, the relay restores to its locked state.

A Zone 3 REX is inhibited for three seconds after the keypad reads a card and a door strike occurs. This is to allow area entry and pass under a REX PIR. For zone 3 REX when shorted, the lock relay will not activate and the zone 2 bypass begins (normally with electric strikes). If Zone 3 goes open, the lock relay will activate for the programmed REX time and the zone 2 bypass begins (standard with magnetic locks).

MOUNT THE KEYPAD

Tamper Protection

1. Insert the included tamper puck into the base. See Figure 6.
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.

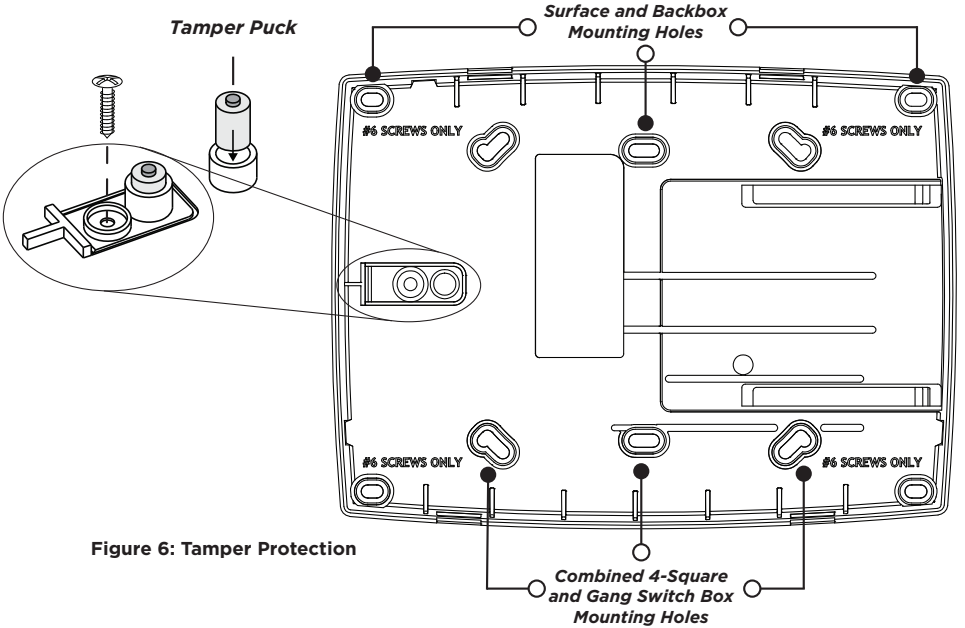


Figure 6: Tamper Protection

PROGRAM THE PANEL

To access the Programmer menu, reset the panel, and press **Keypad** in the carousel menu. For international XT and XTL Series, enter **665** (PRO). For international XR series, enter **6653** (PROG). 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	**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 the 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
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

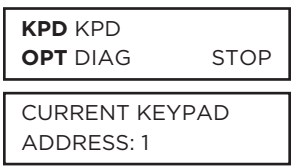
Keypad Options and Keypad Diagnostic menus allow install and service technicians to configure and test keypad operation. To access the installer options:

Hold down the back arrow and **CMD** keys for two seconds. At **SET BRIGHTNESS**, enter **357** for XT30 International panels, or **3577** for other panel models, then press **CMD**.

The display changes to **KPD OPT KPD DIAG** and **STOP**. The Keypad Options menu allows you to set the keypad address, select Supervised or Unsupervised mode, change the default keypad message, selectively enable the 2-button Panic keys, Bypass, REX, and set entry card options.

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

Keypad Options



Keypad Options
To program keypad options, press **KPD OPT**.

Current Keypad Address
Set the current keypad address from 01 to 08 for XT30INT and XR150INT Series panels or 01 to 16 for XR550 Series panels. The default address is 01. To change the current address, press any select key and enter the new address. Do not 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 key 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 key, enter a new message, and press **CMD**. See *Enter Characters*.

ARM PANIC KEYS:
*PN EM *FI

Arm Panic Keys
Use this option to configure the select keys as two-button panic keys. To enable or disable a panic option, press the select key under the desired name: **PN** (panic), **EM** (emergency), and **FI** (fire). Press the select key again to disable the panic option. Once the panic option is enabled, an asterisk displays next to the selected option(s). Press **CMD**.

ACTIVATE ZONE 2 BYPASS? **NO**

Activate Zone 2 Bypass

Select **YES** to activate the zone 2 bypass operation. Selecting **NO** allows standard zone operation on Zone 2. The default is **NO**. If the door being released by the keypad is protected (contact installed), a programmable bypass entry/exit timer can be provided by connecting its contact wiring to the keypad Zone 2. When the on-board Form C relay activates and the user opens the door connected to Zone 2, the zone is delayed for the number of seconds programmed in **ZONE 2 BYPASS TIME** allowing the user to enter/exit during an armed period.

If Zone 2 does not restore (door closed) within the programmed time, the keypad sounds every other second during the last ten seconds. If Zone 2 restores prior to the end of the programmed time, the keypad silences. If the zone does not restore before the programmed time, the keypad ends the bypass and indicates the open or short zone condition to the panel.

ZONE 2 BYPASS TIME: **40**

Zone 2 Bypass Time
Enter the number of bypass seconds to elapse before the bypass timer expires. Range is from 20-250 seconds. Press any select key to clear the keypad display and enter the number of seconds. Default is **40** seconds.

RELOCK 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 EXIT: **NO** YES

Activate Zone 3 Exit
Select **YES** to activate the Zone 3 Request to Exit (REX) option. Select **NO** (default) to allow standard zone operation on Zone 3. Connect a motion sensing device or a mechanical switch to Zone 3 to provide REX capability to the system. 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 programmed Zone 2 bypass entry/exit timer. After the programmed number of seconds, the relay restores the door to its locked state.

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 5-250 seconds. Press any select key to clear the keypad display and enter the number of seconds. The default is **5**.

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

Arming/Disarming Wait Time
Select the number of seconds (0-9) 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**.

CUSTOM CARD FORMAT

Custom card formats are compatible with XR150INT/XR550INT Series panels only.

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**.

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 of the 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. Press **CMD** to advance.

FORMAT NAME *UNUSED*

Format Name
Press any select key to rename the card format. Press **CMD** to save and advance.

WEIGAND 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 key 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 7.

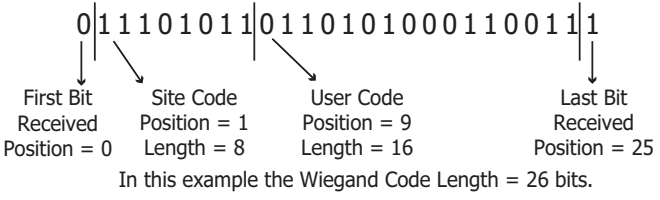


Figure 7: Wiegand Data Stream Bit Location

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

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

Press select key 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 key 2 to clear the user code position and enter a number between 0-255. Press **CMD** to save. Default is **9**.

Press select key 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: **NO** YES

Require Site Code
Press the select key 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** option matches the site code received in the Wiegand string.

SITE CODE 1:

Site Code
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**.

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 key to clear the keypad display and enter the user code digit length being used by the panel. Default is **5**. For an XR150INT/XR550INT area type, use 4-10 digits (typically 5). For all other systems and panels, use 4 digits.

NO COMM WITH PNL
OFF SITE ANY ON

No Communication with Panel
Define the relay action when communication with the panel has not occurred for 5 seconds. Default is **OFF**. Press any select key to change the default relay action:

Press the first select key 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 to choose **SITE** (Accept Site Code). Door access is granted when the Wiegand site code string received matches any site code programmed at **SITE CODE DISPLAY**. Refer to **REQUIRE SITE CODE** for more information.

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

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

Press **CMD** to display the next action.

NO COMM WITH PNL
LAST

Press the first select key to choose **LAST** (Keep Last State). The relay remains in the same state and does not change when communication is lost.

KYPD LANGUAGE:
LANG: **ENGLSH**

KYPD LANGUAGE:
ENG SPN FRN DUT

KYPD LANGUAGE:
ΕΛΛ CZK

Keypad Language
Define the keypad's language. Default is **ENGLSH**.

Press any select key to change the language options.

Press select key 1 to select English. Press select key 2 to select Spanish. Press select key 3 to select French. Press select key 4 to select Dutch.

Press **CMD** to advance the language options.

Press select key 1 to select Greek. Press select key 2 to select Czech.

Additional Programming

Users can manually enter their user code into the keypad which then verifies the user code and its authority with the panel. The 7073-WINT activates 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.

Proximity Credential Compatibility

DMP keypads with internal proximity readers are 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. Test the intended proximity credentials with the application before installation. DMP does not guarantee compatability with credentials not purchased from DMP.

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 user code from the data string sent by the access control reader.

TEST THE KEYPAD

Test the keypad to ensure alarm backlighting, individual shortcut keys, and any programmed zones work. To begin testing, access the Installer Options menu. Hold down the **back arrow** and **CMD** keys at the same time until **SET BRIGHTNESS** displays. Enter **3577** and press **CMD**.

Keypad Diagnostics
Press the select key under **KPD DIAG**. The keypad lights all display segments and illuminates the keyboard in red. The display backlighting then changes to green. The keypad alternates between these two states for approximately two minutes. Press **CMD** at any time to begin testing individual keys.

Test Individual Keys
The display changes to **PRESS KEY TO TEST**. This option tests each key on the keyboard to ensure it is operating properly. Press and hold each key for two seconds. The key number being held appears in the display. Verify the correct number displays before testing the next key.

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**. The zone test displays on the other keypads but is not operational.

INPUT WIEGAND

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.

Arm and Disarm the System

Area System Type

1. Press **CMD** until the keypad displays **ARM DISARM**.
2. Press the select key under the preferred option.
3. If arming, the keypad displays **ALL? NO YES**. Select **NO** to arm individual areas. Select **YES** to arm all areas. If disarming, the keypad displays **ENTER CODE: -**. The user can either enter their user code or present their credential to the proximity reader. Once validated by the system, all areas assigned to that code or credential disarm automatically

All/Perimeter System Type

Press **CMD** until **ARM DISARM** displays. If arming, press **ARM**. Select **ALL** to arm all areas or **PERIM** to arm only the perimeter. At **ENTER CODE: -**, enter a user code at the keypad or present a credential to the proximity reader. If disarming, select **DISARM**. At **ENTER CODE: -**, enter a user code at the keypad or present a credential to the proximity reader.

Home/Sleep/Away System Type

Press **CMD** until **ARM DISARM** displays. If arming, present a credential to the proximity reader. Once the card is validated, **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**. If disarming, present a credential to the proximity reader. Once the card is validated, all areas are disarmed and the keypad displays **ALL SYSTEM OFF**.

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 8.

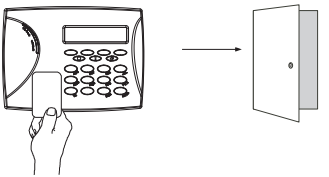


Figure 8: Present Access Card

Use Entry Delay When Disarming

If an 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 9.

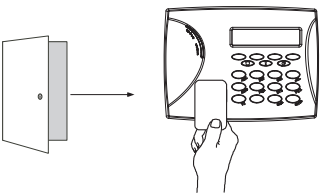


Figure 9: Entry Delay

COMPATIBILITY

- XT30 International Series Panels
- XR150/XR550 International Series Panels

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 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

*Delta Proximity Readers and Credentials not evaluated by UL.

PRODUCT 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
7060INT	72 mA	87 mA				
7063INT	85 mA	100 mA		✔		
7073INT	85 mA + 1.6 mA per active zone	100 mA + 2 mA per active zone	✔	✔	✔	✔

COMPLIANCE REQUIREMENTS

Wiring Specifications

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

- DMP recommends using 18 or 22 AWG 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 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.

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)–Part 3-2: Limits – Limits for harmonic current emissions.

EN 61000-3-3:2013	Electromagnetic compatibility (EMC) – Part 3-3: 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.