7300 Series Thinline™ Icon Keypad

INSTALLATION AND PROGRAMMING GUIDE

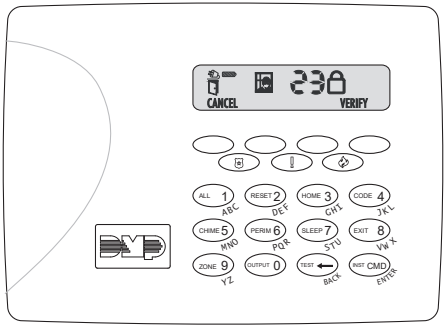


TABLE OF CONTENTS

ABOUT THE KEYPAD

The DMP 7300 Series Thinline™ Icon Keypads provide an easy to understand icon display to assist users when arming and disarming an All/Perimeter or Home/Sleep/Away system or using any of the standard system features. The icons provide immediate recognition of any system alarm as well as system status.

7300 Series keypads are compatible with XT Series control panels.

Features

All 7300 Series models provide three 2-button Panic keys, a backlit keyboard with easy-to-read lettering, and an internal speaker. Additionally, the model 7363 keypad provides a built-in proximity reader designed to read standard HID proximity credentials.

Card Reader

When a proximity credential is presented to the internal reader, a beep tone is heard to provide an audible acknowledgment of the credential read.

KEYPAD LAYOUT

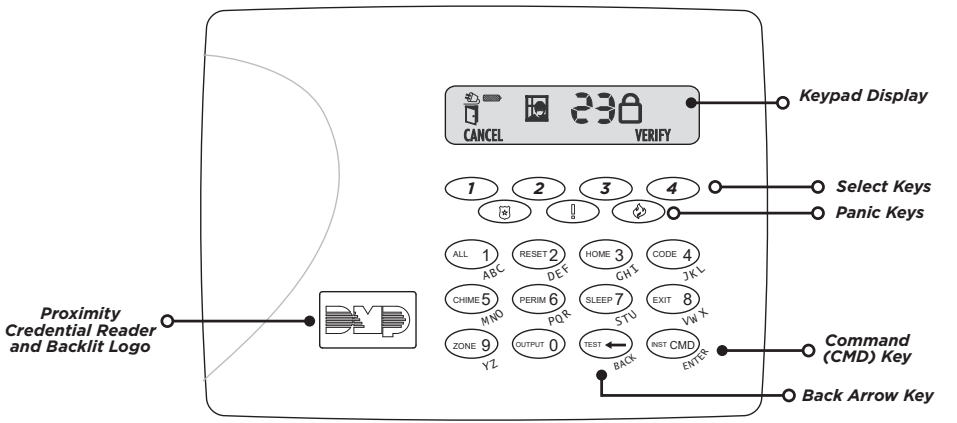


Figure 1: 7300 Series Thinline Keypad

Card Reader

When a proximity credential is presented to the keypad's backlit logo, a beep tone is emitted to provide an audible acknowledgment of the credential read.

Two-Button Panic Keys

All keypads offer a panic key function that allows users to send panic, emergency, or fire reports to the central station in an emergency. Panic keys are enabled in the Installer Options. Place the icon stickers below the top row select keys as shown in Figure 1.

Note: By default, all 7300 keypads send address 8 to the central station for panic alarms.

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.

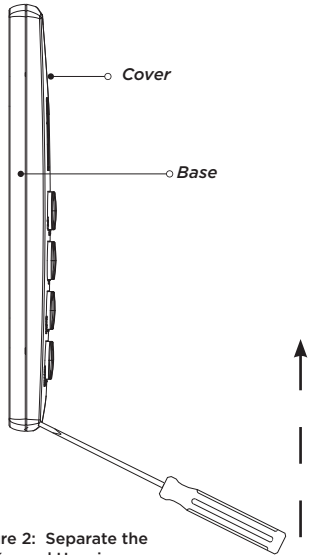


Figure 2: Separate the Keypad Housing

2 *Wire the Keypad*

The 7360 and 7363 keypads are supplied with a 4-wire harness for panel keypad bus connection. Refer to the following table for wire colors and connections:

WIRE COLOR	CONNECT TO PANEL	PURPOSE
Red	Terminal 7	DC Power
Yellow	Terminal 8	Send Data
Green	Terminal 9	Receive Data
Black	Terminal 10	Ground

When Using an Auxiliary Power Supply

If the current draw for all keypads exceeds the panel output, provide additional current by adding a Model 505-12 auxiliary power supply:

1. Connect all keypad Black ground wires to the power supply negative terminal.
2. Run a jumper wire from the power supply negative terminal to the panel common ground terminal.
3. Connect all keypad power (+12 VDC) wires to the power supply positive terminal.
4. Do not connect the power supply positive terminal to any panel terminal.

For more information, refer to the 505-12 Power Supply Installation Guide (LT-0453).

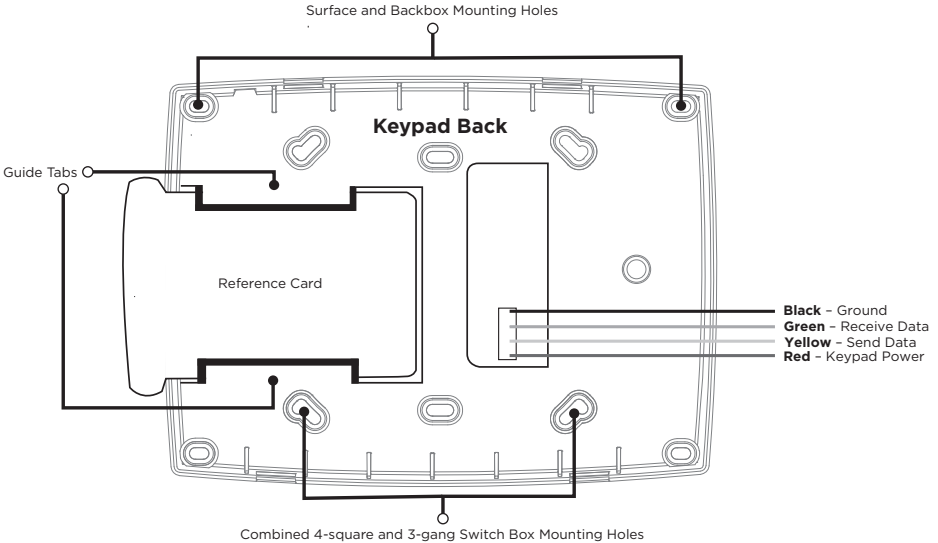


Figure 3: Mounting Holes and Wiring Harness

3 *Mount the Keypad*

All DMP keypads are designed to install on any desk stand, 4" plastic square box, 3-gang plastic switch box, or a flat surface. Refer to Figure 3 when mounting the keypad.

Insert the included screws into the mounting holes and secure the keypad to the wall.

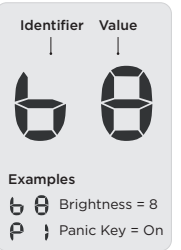
Insert the included system information reference card into the card slot. The reference card has user code instructions on one side and write-in zone number and names on the other.

PROGRAM THE KEYPAD

Reading the Display

For programming options, the display shows an identifier followed by a value. The identifier represents the menu option and the value represents the currently-programmed value. For options that can be turned off or on, the values are binary where 0 = off and 1 = on.

For more information, refer to each of the following sections or Reference.



User Options

To access User Options, hold down the back arrow and **CMD** keys for two seconds. Press **CMD** to display the next option or press the Back Arrow to exit the User Options menu.

Brightness

Set the brightness of the display, keyboard, and logo backlighting by selecting a level between 0 (off) and 8 (max). The default is **8**.

The brightness level increases to maximum intensity when a key is pressed. If no activity occurs for 30 seconds, brightness returns to the programmed level.

Speaker Tone
Set the keypad internal speaker tone from the range of 1 to 8. The default is **5**.

Volume Level
Set the keypad internal speaker volume level for key presses and entry delay tone conditions from the range of off (0) to maximum (8). The default is **8**.

During alarm and trouble conditions, the volume reverts to maximum level.

Firmware Version
The LCD displays the 3-digit firmware version of the keypad. Version **100** is shown in the example.

Keypad Model
The LCD displays the model number of the keypad.

- **60** - Model 7360
- **63** - Model 7363

Note: To continue to the Installer Options menu, enter **3577** + **CMD** at the Firmware Version or Keypad Model screens.

Installer Options

All models provide a Keypad Option and Diagnostic menu to allow installing and service technicians to configure and test keypad operation. Because all 7300 Series keypads operate together on the Keypad bus using the same address, there is no address option to set.

ACCESS INSTALLER OPTIONS

The Installer Options Menu can only be accessed from User Options at Firmware Version or Keypad Model. When either is displayed, enter **3577** (INST) and press **CMD**.

CONFIGURE PANICS AND USER CODE DIGITS

Panic Key
Configure the two left Select keys as 2-button Panic. The display shows the current setting as a binary value. To turn on the panic key operation, enter **1**. To turn off the panic key, enter **0**. The default is **0** (off).

Emergency Key
Configure the two middle Select keys as 2-button Emergency. The display shows the current setting as a binary value. To turn on the panic key operation, enter **1**. To turn off the panic key, enter **0**. The default is **0** (off).

Fire Key
Configure the two middle Select keys as 2-button Fire. The display shows the current setting as a binary value. To turn on the panic key operation, enter **1**. To turn off the panic key, enter **0**. The default is **0** (off).

Number of User Code Digits
Enter the user code digit length used by the panel. Range is 4 to 6. The default is **4**.

RUN KEYPAD DIAGNOSTICS

LCD Segment Test

At diagnostics startup the keyboard is backlit at maximum brightness and all the icons flash on and then off as a group. The keypad alternates between these two states for approximately two minutes. Press the Back Arrow to return to the Panic Keys option. Press **CMD** at any time to continue to the next test.

Test Individual Keys and Card Reads

When a top row select key is pressed, the corresponding **Cancel**, **Bypass**, **Extend**, or **Verify** option is displayed. When keys 0-9 are pressed, the number of the selected key is displayed in the 3-digit display. If a proximity credential is presented during the key test, the keypad beeps once for a successful read.

EXIT INSTALLER OPTIONS

Press **CMD** to end Installer Options. Press the Back Arrow key to return to the LCD Segments test.

REFERENCE

End User Training

For the 7300 Series keypad user guide, refer to the Thinline™ Series Icon Keypad User Guide (LT-0956).

Shortcut Keys

KEY #	SHORTCUT LABEL	PURPOSE
1	ALL	Arm All or arm Away
2	RESET	Reset sensors
3	HOME	Arm Home
4	CODE	Access user codes menu
5	CHIME	Activate or deactivate chime
6	PERIM	Arm Perimeter
7	SLEEP	Arm Sleep
8	EXIT	Use easy exit (Start countdown and exit without disarming)
9	ZONE	Check zones
10	OUTPUT	Turn outputs on or off
←	TEST	Perform a communication test (Network or Dialer Only)
CMD	INST	Arm Instant during a countdown

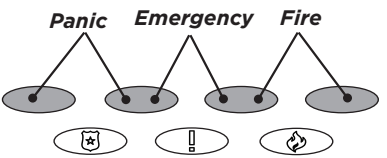
Programming Menus Items

MENU ITEM	IDENTIFIER	VALUE RANGE	DEFAULT VALUE
Brightness	b	0 to 8	8
Speaker Tone	S	1 to 8	5
Volume Level	L	0 to 8	8
Keypad Firmware Version	none	3 digits	n/a
Model Number (7360)	none	60	n/a
Model Number (7363)	none	63	n/a
Panic Key	P	0 or 1	0
Emergency Key	E	0 or 1	0
Fire Key	F	0 or 1	0
User Code Digits	U	4 to 6	4

Panic Keys

PANIC TYPE	SELECT KEYS	ZONE NUMBER
Panic	1 and 2 (left two keys)	19
Emergency	2 and 3 (center two keys)	29
Fire	3 and 4 (right two keys)	39

Press and hold for 2 seconds to activate.



Icons

AC Power Steady = OK, Pulsing = Fault	**System Ready** Ready to arm
Battery Power Steady = OK, Pulsing = Fault	**System Not Ready** Not ready to arm
Disarmed System is fully disarmed	**Burglar Alarm** Burglary with area number
Armed Some or all areas are armed	**Fire Alarm** Fire with area number
Armed Instant Some or all areas armed Instant	**Bypass Option** Bypass faulted zones
Chime Keypad chime is on	**Extend Option** Extend schedule
Dialer Communication Steady = OK, Pulsing = Error	**Cancel Option** Cancel a false alarm
Network Communication Steady = OK, Pulsing = Error	**Verify Option** Verify a real alarm

Display Codes

Armed
The system is armed all or away

Perimeter
The system is armed Perimeter

Home
The system is armed Home

Sleep
The system is armed Sleep

Closed
Schedule closed, system armed

Busy
The system is busy

Reset Panel
Panel must be reset

Aborted Alarm
Alarm was canceled manually

Alarm Canceled
Alarm was canceled by disarm

RF Alarm
Wireless receiver detected interference

RF Jammed Trouble
Wireless receiver detected interference

RF Receiver Trouble
Wireless receiver is not operating properly

Test
System is being tested

Test - Minutes Left
The number of minutes left in the test

Transmit Good
Communication test success

Transmit Failed
Communication test failed

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 500 feet. When using 18-gauge wire, do not exceed 1,000 feet. Install an additional power supply to increase the wire length or add devices.
- Maximum distance for any one circuit (length of wire) is 2,500 feet 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 2,500 feet. As wire distance from the panel increases, DC voltage on the wire decreases.
- Maximum number of devices per 2,500 feet 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.

COMPATIBILITY

Panel Models

7300 Series Keypads are compatible with XT Series panels.

Credentials

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

PRODUCT SPECIFICATIONS

Operating Voltage 12 VDC

Dimensions 7.00" W x 5.25" H x 0.50" D
17.78 cm W x 13.34 cm H x 11.30 cm D

MODEL	NORMAL/STANDBY CURRENT	ALARM CURRENT	INTERNAL PROX READER
7360	60 mA	67 mA	
7363	73 mA	80 mA	✔

CERTIFICATIONS

California State Fire Marshal (CSFM)

FCC Part 15 ID: CCKPC0086

Industry Canada ID: 5251A-PC0086

Intertek (ETL) Listed

- **ANSI/SIA CP-01** False Alarm Reduction
- **ANSI/UL 1610** Central Station Burglar
- **ANSI/UL 609** Local Burglar
- **ANSI/UL 1076** Proprietary Burglar
- **ANSI/UL 365** Police Connected Burglar
- **ANSI/UL 1023** Household Burglar
- **ANSI/UL 985** Household Fire Warning

FCC INFORMATION

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

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

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

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

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

INDUSTRY CANADA INFORMATION

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

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

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

1. *l'appareil ne doit pas produire de brouillage, et*
2. *l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.*

This system has been evaluated for RF Exposure per RSS-102 and is in compliance with the limits specified by Health Canada Safety Code 6. The system must be installed at a minimum separation distance from the antenna to a general bystander of 7.87 inches (20 cm) to maintain compliance with the General Population limits.

L'exposition aux radiofréquences de ce système a été évaluée selon la norme RSS-102 et est jugée conforme aux limites établies par le Code de sécurité 6 de Santé Canada. Le système doit être installé à une distance minimale de 7.87 pouces (20 cm) séparant l'antenne d'une personne présente en conformité avec les limites permises d'exposition du grand public.