

## 7360/7363 Thinline Series Icon Keypads

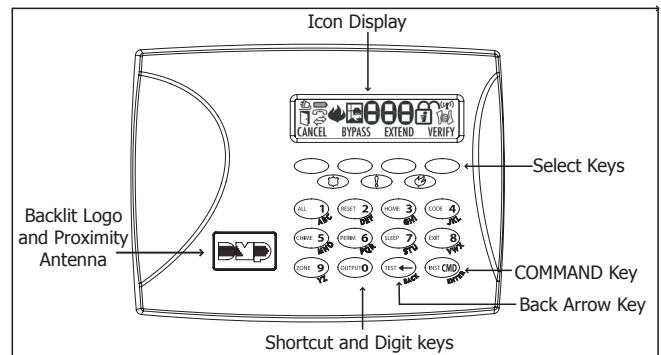
### Description

The DMP Thinline™ Series Icon Keypads offer flexible features and functionality in a stylish design. The 7300 Series provides 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.

The Model 7360 provides three 2-button Panic keys, backlit keyboard with easy-to-read lettering and an internal speaker. The Thinline logo is also backlit.

### Card Reader

The Model 7363 also provides a built-in proximity reader designed to read standard HID proximity credentials. When a proximity credential is presented to the internal reader, a beep tone is heard to provide an audible acknowledgement of the credential read.



Thinline™ Series Icon Keypad

### 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 or other non-HID credentials. There are custom and non-standard credentials from HID that are not compatible with DMP proximity keypads. When using HID cards that have not been purchased directly from DMP, thoroughly test the application fully before installation. DMP does not guarantee compatibility with credentials not purchased from DMP.

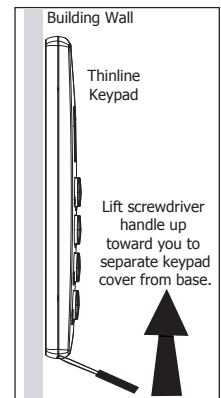
### Installing the Keypad

All DMP keypad housings are designed to easily install on any 4" square box, 3-gang switch box, DMP 695 and 696 backbox, or flat surface. Figure 1 shows the keypad housing base mounting hole locations.

### Remove the Cover

The keypad housing is made up of two parts: the front, which contains the circuit board and keyboard components and the base. Use the following steps to separate the keypad front 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.
2. Using your hands, gently separate the front from the base and set the front and components aside.



### Harness Wiring

Figure 1 shows wiring harness assignments. Observe wire colors when connecting the Red, Yellow, Green and Black wires to the keypad bus. When wiring directly to the panel terminals, connect Red to panel terminal 7, Yellow to terminal 8, Green to 9 and Black to panel terminal 10. The 7360 and 7363 keypads are supplied with a 4-wire harness for panel keypad bus connection. Since all 7300 Series keypads operate together on the Keypad bus using the same address, there is no address option to set.

### System Information Pull-Out Card

Included with the Icon keypad is a System Information Pull-Out Card. User Code instructions are on one side and the opposite side offers an area to record zone numbers and names. Figure 1 shows the location of the pull-out card holder on the back of the keypad. When inserting the System Information Card while the keypad is attached to the wall, first insert the bottom of the card at an angle to align the card into the bottom slot, then slide the card in place.

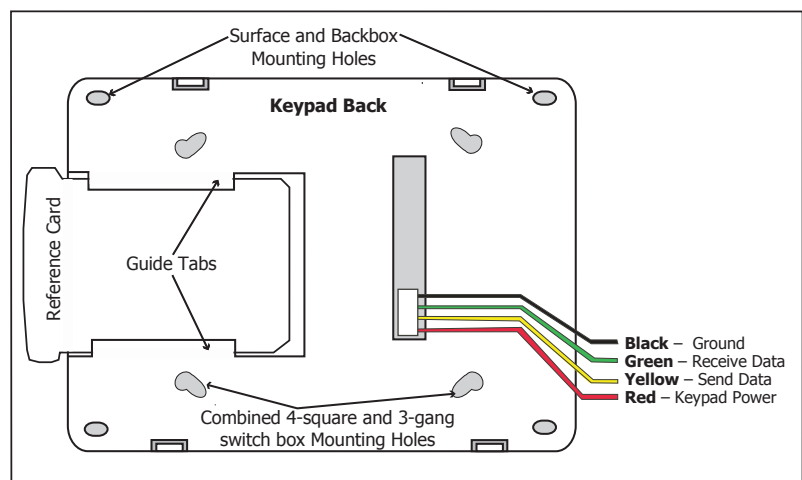


Figure 1: Keypad Back with Wiring Harness

## Additional 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. Connect all keypad Black ground wires to the power supply negative terminal. Run a jumper wire from the power supply negative terminal to the panel common ground terminal. Connect all keypad power (+12 VDC) wires to the power supply positive terminal. DO NOT connect the power supply positive terminal to any panel terminal. Refer to the 505-12 Power Supply Installation Guide (LT-0453) for more information.

## Panic Key Options

### 2-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 order to use the panic keys, enable the functions in the keypad user menu. See Programming Keypad Options later in this document. Install the supplied icon labels below the top row of Select keys as shown in Figure 2.

Press and hold the two Select keys for two seconds until a beep from the keypad is heard. At the beep, the panel sends the following zone alarm reports to the central station. Note: All 7300 keypads send address 8 as a default on panic alarms.

**Panic** (left two Select keys)—Zone 19

**Emergency**—non-medical (center two Select keys)—Zone 29

**Fire** (right two Select keys)—Zone 39

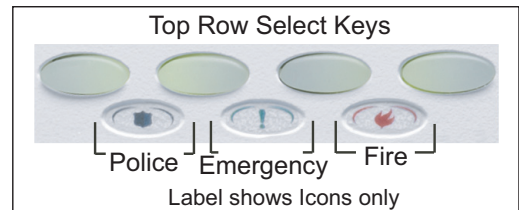


Figure 2: Panic Key Label Placement

## Internal Speaker Operation

All keypads emit standard tones for key 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.

## Backlighting

On Thinline Icon keypads, both the logo and keyboard light when a key is pressed or the speaker sounds.

During an alarm condition, the keyboard and logo backlight turns Red. When all alarm conditions are cleared from the display, the Red display turns off and the lighted areas return to the user-selected brightness.

## End-User Options

All models provide three keypad adjustments the end-user can make through the User Options Menu.

Press and hold the Back Arrow (←) and CMD (COMMAND) keys for two seconds to access User Options. Use the COMMAND key to display the next option or press the Back Arrow to exit the User Options menu.



### Backlighting Brightness (b 8)

Set the keypad LCD Display brightness level and the keyboard and logo backlighting by selecting the desired brightness from the range of off (0) to maximum (8). The far left position displays b (Brightness) and the far right position displays the selected brightness level. If the brightness level is lowered, it reverts to maximum intensity whenever a key is pressed. If no keys are pressed and the speaker has not sounded for 30 seconds, the user-selected brightness level restores. The default shown is 8.



### Internal Speaker Tone (S 5)

Set the keypad internal speaker tone from the range of 1-8. The far left position displays S (Speaker) and the far right position displays the selected tone level. The default shown is 5.



### Internal Volume Level (L 8)

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 far left position displays L (Level) and the far right position displays the selected volume level. During alarm and trouble conditions, the volume reverts to maximum level. The default shown is 8.



### Software Version (100)

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



### Keypad Model Number

The LCD displays the model number of the keypad.

(60) The Model 7360 keypad



(63) The Model 7363 keypad with built-in proximity reader

## Installer Options Menu

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

### Accessing Installer Options

The Installer Options Menu can only be accessed from the User Options menu while displaying the Software Version or Model Number. When either is displayed, enter the code 3577 (INST) and press COMMAND.

### Programming Keypad Options

This menu allows the top row Select keys to be enabled as 2-button Panic keys and sets the number of digits for user codes in the system.



#### Panic Keys (P 0)

Use this option to configure the top two left Select keys as 2-button Panic keys. The display shows the current panic setting. The far left position displays P (Panic) and the far right position displays the panic key setting. To enable the panic key operation press the number one key. This toggles between one (1) and zero (0) on the display. Zero (0) disables this option. The default shown is 0.



#### Emergency Key (E 0)

Use this option to configure the top two middle Select keys as 2-button Emergency keys. The display shows the current emergency key setting. The far left position displays E (Emergency) and the far right position displays the emergency key setting. To enable the emergency key operation press the number one key. This toggles between one (1) and zero (0) on the display. Zero (0) disables this option. The default shown is 0.



#### Fire Key (F 0)

Use this option to configure the top two right Select keys as 2-button Fire keys. The display shows the current fire key setting. The far left position displays F (Fire) and the far right position displays the fire key setting. To enable the fire key operation press the number one key. This toggles between one (1) and zero (0) on the display. Zero (0) disables this option. The default shown is 0.



#### Number of User Code Digits (U 4) from Proximity Card Read (7363)

The 7363 keypad will convert proximity credential data into a four, five or six digit code which is then sent to the control panel. Enter the user code digit length used by the panel. The far left digit displays U (User Code) and the far right position displays the user code digit length. The default shown is 4 and is the proper setting for XT30, XT50, XRSuper6, XR20 and XR40 panels.

When searching the bit string from the reader for the user code, the digits are identified and read from left to right. When a four-digit user code is selected only the first four digits of the string are read.

## 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 COMMAND at any time to continue to the next test.

### Test Individual Keys and Card Read

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.

### Exiting the Installer Options

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

## Wiring Specifications for Keypad Bus

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

1. 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 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.
2. 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.
3. Maximum number of devices per 2,500 feet circuit is 40.  
**Note:** Each panel allows a specific number of supervised keypads. However, 7300 Series keypads operate together on a single address in an unsupervised mode.
4. 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.

Refer to the LX-Bus/Keypad Bus Wiring Application Note (LT-2031) for more information. Also see the 710/710F Module Installation Sheet (LT-0310).

## 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.

<p><b>Specifications</b></p> <p>Operating Voltage      12 VDC  Current Draw  7360                      Normal Standby 60mA                                   Alarm                67mA  7363                      Normal Standby 73mA                                   Alarm                80mA  Thinline Dimensions    7" W x 5.25" H x 0.5" D</p> <p><b>Compatibility</b>  XT30 and XT50 Series panels  XRSuper6, XR20 and XR40 Command Processor™  panels using Version 306 or higher.</p> <p><b>Accessories</b>  Proximity Credentials for use with Model 7363  1306P    Prox Patch™  1306PW   Prox Patch™ 26-Bit  1326      HID ProxCard II® Card  1346      HID ProxKey II® Access Device  1386      HID ISOProx II®</p>	<p>Backboxes  695      Keypad Conduit Backbox  696      Keypad Backbox  777      Protective Keypad Cover</p> <p><b>Listings and Approvals</b>  California State Fire Marshall (CSFM)  ETL: 3139201NYM  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</p> <p>FCC Part 15 ID: CCKPC0086  Industry Canada ID: 5251A-PC0086  Underwriters Laboratories (UL) Listed  ANSI/UL 1023     Household Burglar  ANSI/UL 985      Household Fire Warning</p>	
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