INSTALLATION AND PROGRAMMING GUIDE

7830F-R
Graphic Remote Annunciator

CONTENTS

Get Started 1
What's Included 1
What You'll Need 1
Procedure 1
Install the Annunciator 2
Remove the Cover 2
Run Wire 2
Mount the Annunciator 2
Wire the Annunciator 3
Use the Annunciator 4
Annunciator Layout 4
Carousel Menu 4
Status LED Indicator 4
Program the Panel 5
Device Setup 5
Device Number 5
Device Name 5
Device Type 5
Stop 5
Program the Keypad 6
Keypad Options 6
Current Keypad Address 6
Dealer Logo 6
Dealer Info 6
Stop 6
Additional Programming 7
Access the User Menu 7
User Menu 7
Backlighting Brightness 7
Internal Speaker Tone 7
Internal Volume Level 7
Model Number 7
Keypad Address 7
Reset Inspection Reminder 8
Update the Annunciator 8
Reference 9
Annunciator Bus Wiring Specifications 9
Compatibility 9
Ordering Information 9
Keypads 9
Accessories 9
Specifications 9
Certifications 10
Underwriters Laboratory (UL) Listed 10
FCC Information 10

GET STARTED

The 7830F-R Graphic Remote Annunciator offers an easy to use touchscreen interface, a LED indicator, an internal speaker, a simple terminal connection to a 4-wire keypad bus, and other features. Keypads can be mounted on a backbox or a flat surface with appropriate fasteners.

What's Included

- One 7830F-R Graphic Remote Annunciator
- Four screws (#6 x 1")

What You'll Need

- 5/64" (2.0mm) drill bit
- #2 Phillips screwdriver

Procedure

This guide walks you through the required steps needed to install a 7830F-R annunciator. They are:

1. Install the annunciator.
2. Program the panel.
3. Program the annunciator.

INSTALL THE ANNUNCIATOR

1 Remove the Cover

To see how to remove the cover, watch the video How to Open a Touchscreen Keypad.

The annunciator housing is made up of two parts: The cover, which contains the circuit board with components, and the base. When removing the cover, refer to Figure 1.

To separate the annunciator cover from the base, insert the flat tip of a slotted screwdriver into one of the slots on the bottom of the annunciator, then press in slightly to disengage the tab and pry open. Repeat with the other slot. Remove the cover from the base and set aside.

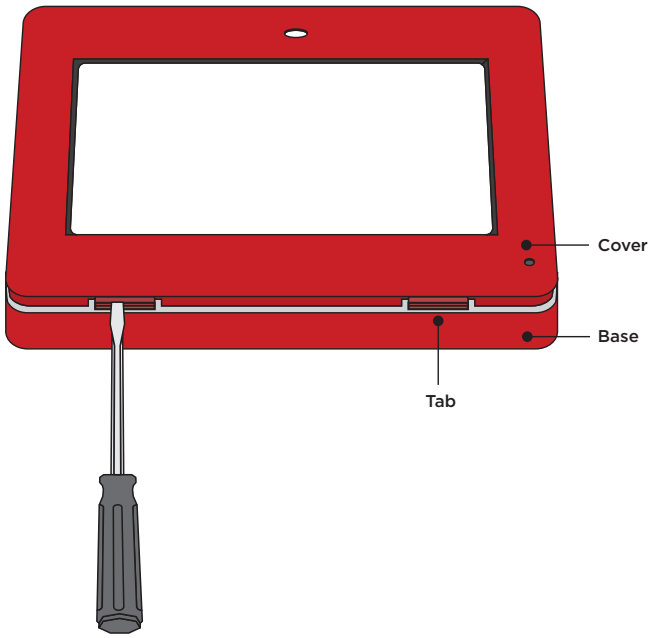

Figure 1: Removing the Cover

2 Run Wire

Run wire from the power source to the annunciator mounting location. See the *Annunciator Bus Wiring Specifications* section on page 8 for maximum wire runs.

3 Mount the Annunciator

All DMP keypad housings are designed to install on any 4" square box, 3-gang switch box, compatible backboxes, or directly on a flat surface.

1. Route the annunciator wires through the cutouts in the base. See Figure 2.
2. Use the annunciator base to mark the holes for the screws on the mounting surface.
3. Set the base aside and drill the holes.
4. Use the included screws to secure the annunciator base to the surface. Do not overtighten.
5. When all wire connections have been completed, place the annunciator cover back onto the base and snap it into place.

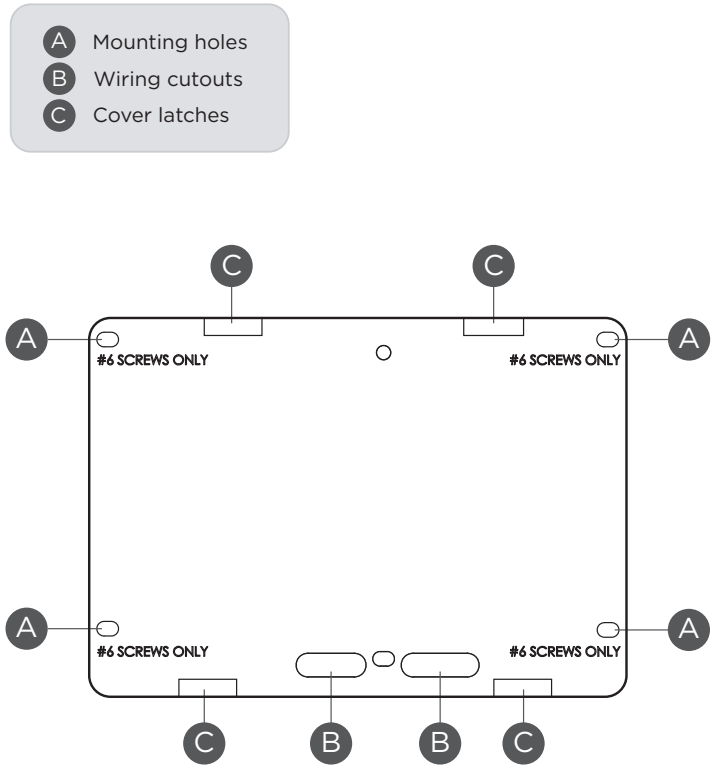

Figure 2: Mounting Hole Locations

4 Wire the Annunciator

To wire the annunciator, make the connections shown in Figure 3.

Caution: Disconnect all power before wiring. Failure to do so may result in equipment damage or injury. Observe polarity when making power connections.

1. Connect the harness to the annunciator header.
2. Connect the red wire to panel terminal 7.
3. Connect the yellow wire to panel terminal 8.
4. Connect the green wire to panel terminal 9.
5. Connect the black wire to panel terminal 10.

WIRE COLOR	PURPOSE
Black	Ground from Panel*
Green	Receive Data from Panel*
Yellow	Send Data to Panel*
Red	Power from Panel*

*Required connections

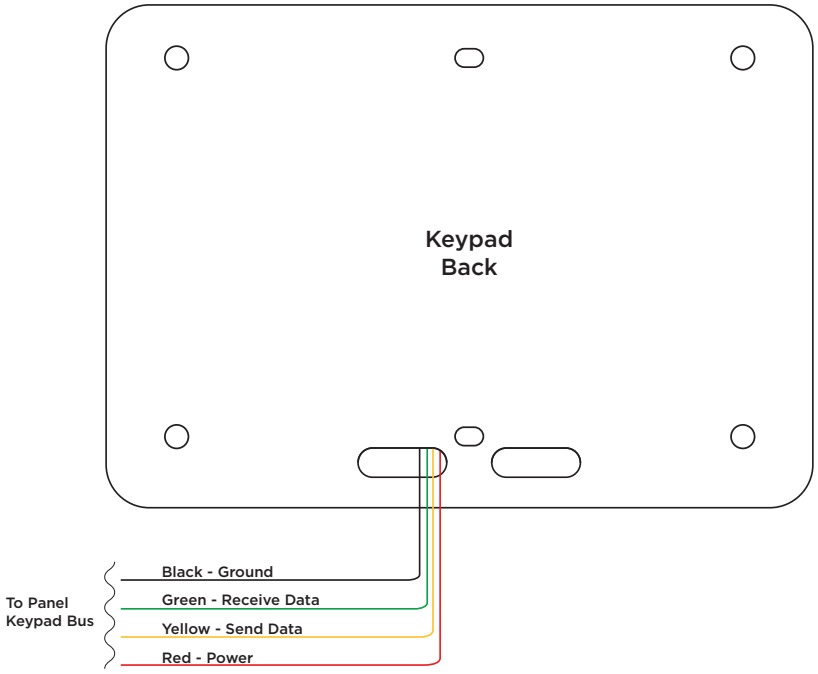

Figure 3: Keypad Wiring

USE THE ANNUNCIATOR

Annunciator Layout

Figure 4: Keypad Layout

Carousel Menu

The carousel menu options allow the user to quickly and easily perform functions on the 7830F-R Graphic Remote Annunciator. These options are operational at all times with a user code.

- **SILENCE** - Press **SILENCE** to silence the main alarm bell and the Fire Bell Output. This does not stop an alarm report from being sent to the Central Station and does not reset any alarmed devices.
- **RESET** - Press **RESET** to perform a sensor reset. This resets devices such as smoke detectors that have latched in alarm and clear the display of alarms.
- **DRILL** - Press **DRILL** to display **SURE? YES NO**. Press **YES** to begin the fire drill, which sounds the main bell and activates the Fire Bell Output. Press **NO** to return to the status list. Press **SILENCE** or enter a user code to silence the alarm bells and end the fire drill.
- **EVENTS** - Press **EVENTS** to display previous panel events. This will show when the panel has been in alarm or silenced.
- **KEYPAD** - Press **KEYPAD** to access the programmer menu. This menu allows you change the device information in the panel.
- **OPTIONS** - Press **OPTIONS** to access the keypad options menu. This menu allows you to change the brightness, tone, and volume of the keypad.
- **TEST** - Press **TEST** to perform a system test. This tests the alarm bells, communication to the Central Station, and the backup battery.
- **USER CODES** - Press **USER CODES** to access the user menu. This will allow you to add new users to the panel.

Status LED Indicator

The 7830F-R Graphic Remote Annunciator provides three LED indicators states to display the system status.

LED Indicator	System Status
No LED	No alarms or troubles (default)
Solid red LED	In alarm
Flashing red LED	Silenced

PROGRAM THE PANEL

Before continuing with programming and setup, you'll program the keypad in the panel as a device.

To access the Programmer menu, reset the panel, press **Keypad** in the carousel menu, enter **6653** (PROG), then 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

Enter a device number.

Panel Models	Compatible Device Numbers
XF6-100	1 - 8
XF6-500	1 - 16
XR150	1 - 8
XR550	1 - 16

Note: Address 1 will be assigned to the annuciator attached to the XF6 enclosure door.

DEVICE SETUP
UNUSED

Device Name

Enter a name for the device.

DEVICE SETUP
FI EXP

Device Type

Select **FI** (Fire).

Note: The 7830F is for fire applications only and cannot be used on systems that are solely for intrusion or access control systems.

STOP

Stop

Press **CMD** until **STOP** displays. Press a top row select area to save programming.

PROGRAM THE KEYPAD

Refer to the appropriate panel programming guide as needed. To access the Keypad Options menu, press **Options** in the carousel menu. Press the Installer Options wrench icon, enter **3577** (INST), then press **CMD**.

```
KPD
OPT        STOP
```

KEYPAD OPTIONS

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

```
CURRENT KEYPAD
ADDRESS:        01
```

Current Keypad Address

Set the current keypad address from 1 to 8 for XF6-100 Series and XR150 Series panels or 1 to 16 for XF6-500 Series and XR550 Series panels. The default address is set at **01**. 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 1 to 9.

```
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 into the slot on the right side of the keypad. 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 information 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.

```
STOP
```

Stop

Press **CMD** until you reach the end of the menu, then select **STOP** to save the new settings.

ADDITIONAL PROGRAMMING

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.

User Menu

Backlighting Brightness

Set the keypad display brightness level. Use the left select area to lower the brightness and the right select area to raise the brightness. 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.

Internal Speaker Tone

Set the keypad internal speaker tone. At the **SET TONE** display, use the left select area to lower the tone and the right select area to raise the tone.

Internal Volume Level

Set the keypad internal speaker volume level for key presses and entry delay tone conditions. During alarm and trouble conditions, the volume is always at maximum level. Use the left select area to decrease the keypad volume and the right select area to increase the volume.

Model Number

The keypad displays the model number, version, and date of the keypad firmware. The user cannot change this information.

Keypad Address

The keypad displays the current keypad address. While in User Options, the user cannot change the keypad address. Press the Back Arrow key to exit the User Options function.

Reset Inspection Reminder

1. In the carousel menu, select **Keypad.**
2. Tap **CMD** to advance to **MENU? NO YES**. Tap **YES**.
3. Enter a valid master code, then tap **CMD**.
4. Tap **CMD** until you advance to the **Fire Inspection** menu option. Tap any select area to enter the menu.
5. Once **RESET? NO YES** displays, select **YES** to reset the inspection reminder timer.

Update the Annunciator

To see how to update a touchscreen keypad, watch the video Updating a Touchscreen Keypad.

1. Go to DMP.com/Software_Downloads.
2. Select the latest software update.
3. Click **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 annunciator.
6. Press **Options** in the carousel menu and press **Installer Options** or the wrench icon.
7. Enter **3577** (INST) at the annunciator and select **KPD OPT**.
8. Press **CMD** until **Restart Keypad** displays.
9. Press **Restart**. Do not remove the microSD card or disrupt power.
10. When the annunciator is finished restarting and returns to the home screen, remove the microSD card.

REFERENCE

Annunciator Bus Wiring 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 Annunciator 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.
- Maximum distance for any one bus circuit (length of wire) is 2,500 ft 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 ft. As wire distance from the panel increases, DC voltage on the wire decreases. Maximum number of LX-Bus devices per 2,500 ft circuit is 40.

  Note: Each panel allows a specific number of supervised annunciators. Add additional annunciators in the unsupervised mode.

- 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.

  Note: For listed installations, do not exceed 8 Ohms of line impedance.

For additional information refer to the panel's Installation Guide or the 710 Installation Sheet (LT-0310).

Compatibility

- XF6 Series Control Panels
- XR Series Control Panels Version 231 and higher

  Note: The 7830F is exclusively for fire applications on XR Series Control Panels.

Ordering Information

Keypads

7830F-R	Graphic Remote Annunciator

Accessories

Wiring Harnesses

300-7830-4	Replacement 4-Wire Harness

Backboxes

695-7800-SFC-R	Surface Mount Backbox (Red)

SPECIFICATIONS

Current Draw	
Operating Voltage	12 VDC
Standby Current	84 mA
Alarm Current	108 mA
Dimensions	
Keypad	5.8" W x 4.135" H x 0.6" D

CERTIFICATIONS

- FCC Part 15

Underwriters Laboratory (UL) Listed

ANSI/UL 864 Fire Protective Signaling

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.

Designed, engineered, and manufactured in Springfield, MO using U.S. and global components.

LT-2780 1.01 24322

© 2026

INTRUSION • FIRE • ACCESS • NETWORKS

2500 North Partnership Boulevard
Springfield, Missouri 65803-8877

800.641.4282 | DMP.com