

## 491 Load/Save Module

### Description

The 491 module allows you to copy the program memory, user codes, and user schedules from DMP XR200, 1912XR Command Processor™, or XR2400F Fire Alarm Control panels. The 491 can store the memory of one panel at a time for an indefinite period of time, allowing you to copy its program and download the contents at your convenience.

### Default programs

The 491 Load/Save Module also contains one factory default program for the XR200 or 1912XR panels. This provides you with a basic set of program options and settings.

**Note:** The 491 module does not contain default programming for XR2400F panels.

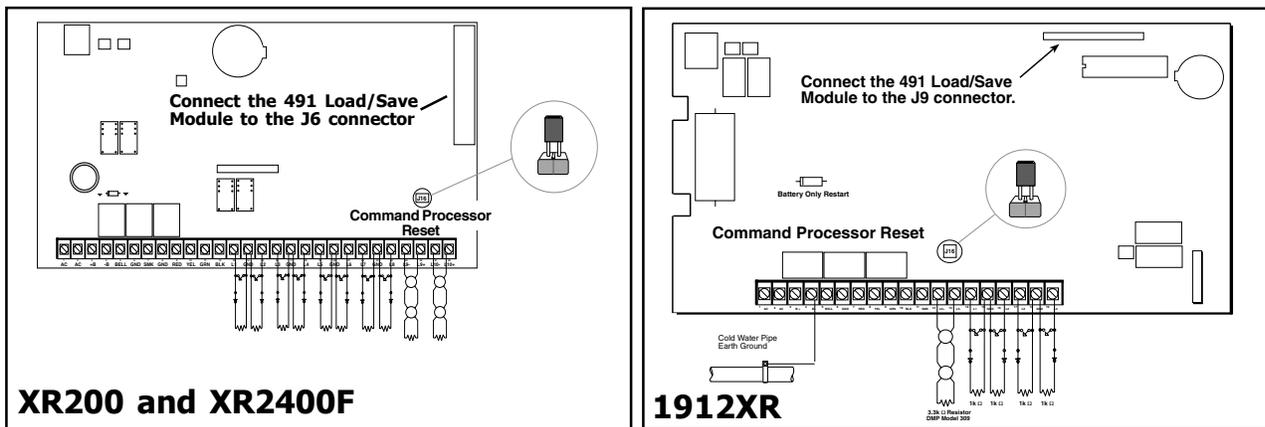
### Installation

The panel must be completely installed and grounded before you begin.



**Ground Yourself Before Handling the Panel!** Touch any grounded metal, such as the enclosure, before touching the panel to discharge static.

**Remove All Power From the Panel!** Remove all AC and Battery power from the panel before installing or connecting any modules, cards, or wires to the panel.



**Figure 1: Interface header locations on XR200, XR2400F, and 1912XR panels**

**Note:** The 491 Load/Save Module must be inserted directly into the J6 header of an XR200 or XR2400F panel. The 491 module is not compatible with 460 Interface Adaptors or XR200-485 panels.

1. Install the Reset jumper on the Command Processor Panel as shown in the diagrams above.
2. Install the load/save module.

XR200 or XR2400F: With the side of the 491 labeled "XR200" facing left, insert the module into the J6 connector on the right side of the XR200 or XR2400F.

1912XR: With the side labeled "1912XR" facing down, insert the 491 into the J9 connector on the top right corner of the 1912XR.

3. Remove the Reset jumper. The keypad now displays **PR:wwwx PNL:yyyz**.

See below for a description of this display:

- www = 491 firmware level
- x = 491 firmware level modifier (if used)
- yy = panel firmware level
- z = panel firmware level modifier (if used)

**Note:** If a Programmer Access Code is required by the panel, the keypad first displays: **ENTER CODE: —**. Enter a valid access code to see the firmware level displays shown above. An invalid code displays **ACCESS DENIED**.

## The Load/Save options

After the firmware information is displayed, press the COMMAND key to display the following options:

**SAVE INTO 491** - Copies the current panel's program memory into the 491 module.

**LOAD INTO PANEL** - Loads a previously saved or default program into the panel.

**COMPUTE CHECKSUM** - After loading or copying a program, this function allows you to compute checksum values by which you can compare the program just transferred to the original file. If both values are the same, the data transfer occurred successfully.

**STOP** - Ends the 491 Load/Save function allowing you to return the panel to service.

## Using the 491 Load/Save options

### SAVE INTO 491

Pressing one of the keypad's four top row Select keys displays **SURE? YES NO**.

Select **NO** to return to **SAVE INTO 491**.

Select **YES** to copy the panel's program into the 491 module. The keypad displays **MEM SUM:ssss**. The s characters after **SUM** represent a memory checksum value. See **COMPUTE CHECKSUM** below.

### LOAD INTO PANEL

Pressing any Select keys displays **MEM DFLT**. Press the Select key under **MEM** to load a previously saved panel's program from the 491 module into the panel. If the 491 contains the saved program of a different panel type, the keypad displays **WRONG PANEL TYPE** and the loading is not allowed.

Press the Select key under **DFLT** to load a factory default program into the current panel.

**Important:** The 491 module does *not* contain default values for XR2400F panels. If you attempt to load defaults into a XR2400F panel, the 491 will load XR200 defaults into the panel and you will *not* receive a **WRONG PANEL TYPE** message.

**Note:** To prevent accidental loading, selecting either the **MEM** or **DFLT** option displays **SURE? YES NO**. Select **YES** to continue with the loading. The new program will overwrite the current panel's program memory. Press **NO** to return to the **LOAD INTO PANEL** display.

### COMPUTE CHECKSUM

Press any Select key to display **MEM PNL DFLT**.

Select **MEM** to compute a checksum of the panel program held in the 491 module's memory. Select **PNL** to compute a checksum of the program currently in the panel's memory. Select **DFLT** to compute a checksum of the default program held in the 491 module's memory.

After loading or copying a program, use the Checksum function to compare the program just transferred to the original file. If both values are the same, the data transfer was successful.

### STOP

Press any Select keys to display **491 STOPPED**.

Once you select this option, the panel performs an internal reset causing the following to occur:

- All areas in all partitions are **DISARMED**
- All zones in all partitions are **DISARMED**
- The panel's status list is cleared
- The panel's event buffer is cleared

The **491 STOPPED** display remains on the keypad until you reset the panel.

## Removing the 491 module

Place the Reset jumper over the two reset pins. Remove the 491 module and then the Reset jumper to restore the panel to normal service.

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