Fire·Lite Alarms
by Honeywell

ES Series: Firmware Upgrade Procedure

⚠️ **WARNING: DO NOT UPGRADE FIRMWARE IF NOT FAMILIAR WITH COMPUTERS OR FIRE ALARM SYSTEMS!**

Equipment Required

Before upgrading the ES Series FACP to the latest firmware, the following equipment is required:

- Microsoft® Windows® PC running version 7 or higher (32 or 64 bit)
- USB Male-A to Male-A Cable (purchased separately)
- USB Flash/Jump/Thumb drive (tested up to 32GB)
- The latest ES Series firmware file downloaded from www.firelite.com and installed on the root of the USB drive
- The latest version of the FS-Tools Programming Utility downloaded from www.firelite.com and installed on the PC

Upgrade Procedure Steps:

1. Verify the FACP is "**SYSTEM NORMAL**".

   SYSTEM NORMAL
   10:10A 072016
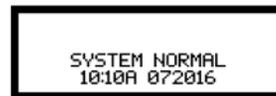
2. Press the **MENU/ENTER** button 〔MENU/ENTER〕. The screen will display programming options.

   1=READ STATUS MODE
   2=PROGRAMMING MODE
   3=FSTOOLS UP/DOWNLOAD
   4=USB UP/DOWNLOAD

3. Press the **Down Arrow** button 〔∨〕 to access the second programming screen: "**1 = FIRMWARE UPGRADE**".

   1=FIRMWARE UPGRADE

4. Insert the USB drive into the USB-A port on the main PC board located below the keypad display on the right-hand side.
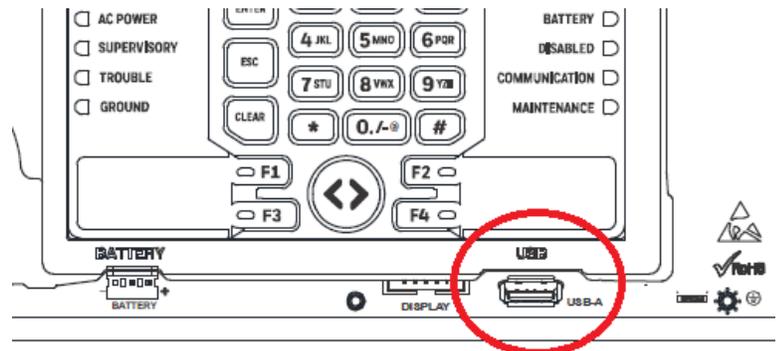
5. Press the **1** Button 〔1 ABC〕. The screen will display: "**FIRMWARE UPGRADE ENTER PASSWORD *****"**. (***Note:*** *Depending on the current firmware in the panel, the password may be either five or eight characters*)

   FIRMWARE UPGRADE
   ENTER PASSWORD
   *****

6. Enter the Password for the FACP (default password is 00000).
    After the correct password is enterd, the screen then will
    display: "**FIRMWARE UPGRADE BACKUP CONFIG FILENAME:**".

```
FIRMWARE UPGRADE
BACKUP CONFIG
FILENAME:
```

7. Enter a valid configuration file backup name using the alphanumeric keypad. For example, a file
    name of "**FILE1**". (*Note: The file name can only consist of characters: 0-9 and A-Z*). The left and right arrow

    buttons can be used to move the blinking cursor in case of typos.

    > **Note: This step is required to keep the configuration settings intact for the jobsite.**
    > **This configuration file contains such things as descriptions, zoning, dialer settings etc.**

    a. Press the **2** button four times to get to the letter "F".

    b. Use the **right arrow** button to move the cursor over one space.

    c. Press the **3** button four times for the letter "I".

    d. Use the **right arrow** button to move the cursor over one space.

    e. Press the **4** button four times for the letter "L".

    f. Use the **right arrow** button to move the cursor over one space.

    g. Press the **2** button three times for the letter "E".

    h. Use the **right arrow** button to move the cursor over one space.

    i. Press the **1** button one time for the number "1".

```
FIRMWARE UPGRADE
BACKUP CONFIG
FILENAME:FILE1
```
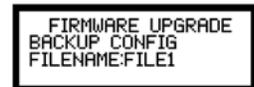
    j. Once file name is entered, press the **ENTER/MENU** button .
        The screen will display: "**FIRMWARE UPGRADE FILE: EVO.skb**".

```
FIRMWARE UPGRADE
FILE: EVO.skb
1=NO
2=YES
```

8. Press the **2** button for **2=YES.** The screen will display:
    "**FIRMWARE UPGRADE IN PROGRESS PLEASE WAIT**".

```
FIRMWARE UPGRADE
IN PROGRESS
PLEASE WAIT
```

a. After several minutes the following screen will display: "**FIRMWARE UPGRADE SUCCESSFUL**". (*This process may take up to 20 minutes.)*

> FIRMWARE UPGRADE
> SUCCESSFUL

b. The next screen displayed will indicate the model of the panel and the firmware version information. (*Where XX.XX.XXX indicates version number.*)

> ES-200
> VERSION XX.XX.XXX
> Sep 27 2017
> 14:07:58
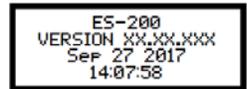
c. For several minutes this screen will display:
    "**INTIALIZING PROCESS MAY TAKE SEVERAL MINUTES**".

> INITIALIZING...
> PROCESS MAY TAKE
> SEVERAL MINUTES
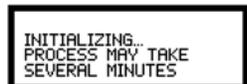
d. After System Initialization, the panel will display the main programming screen.

> 1=READ STATUS MODE
> 2=PROGRAMMING MODE
> 3=FSTOOLS UP/DOWNLOAD
> 4=USB UP/DOWNLOAD

9. Remove the USB drive from the USB-A port located on the FACP.

10. Press the **ESC** button [ESC] to exit out of system programming. The system will display either **"SYSTEM NORMAL"** or indicate a system trouble.

> SYSTEM NORMAL
> 10:10A 072016

(*Note: Depending on the previous version of the firmware in the panel, the configuration file may have been erased. If the configuration file has been erased, a trouble will display at the panel.*)

> Troubl UNUSED POINT
>   EXTRA
> 01:02A 010118 1M001
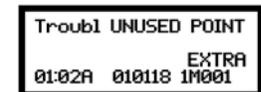
11. Firmware upgrade is complete if the panel displays **"SYSTEM NORMAL"**. If the panel displays a system trouble, continue to step number 12.

12. Place the USB drive into the PC USB port. (The USB drive has the configuration settings of the FACP.)

13. Run the FS-Tools programming utility with a valid customer database, configured for the correct panel type.
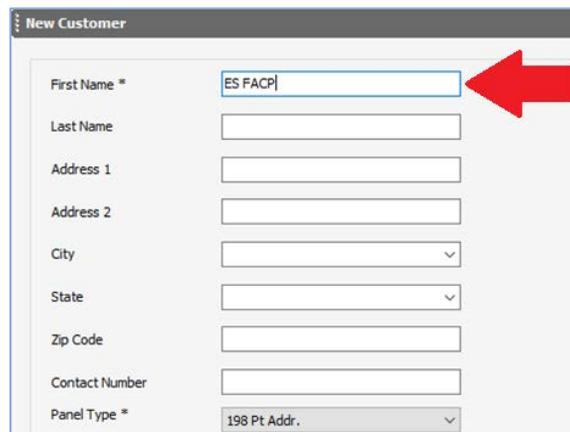
14. On the FS-Tools menu bar, click the "**Upload/Download**" tab. Then click on "**Thumb Drive Upload/Download**" tab, and select "**Transfer configuration Database from Thumb/USB/Flash Drive**"
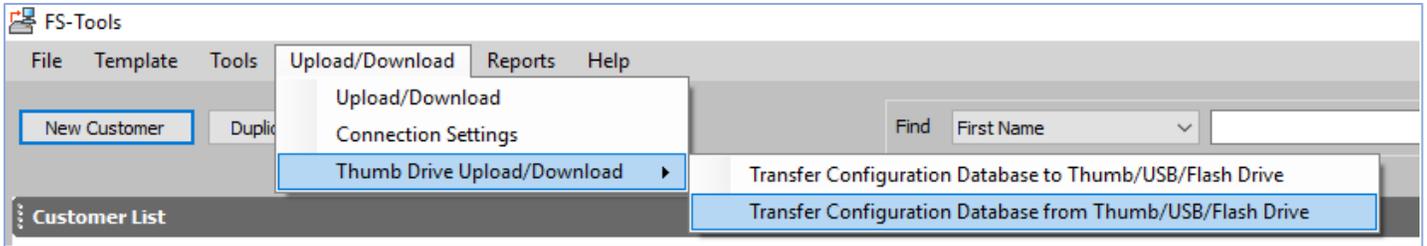

15. The "Select Thumb/USB/Flash Drive" screen will be displayed. Click the "**Read**" button.

    (**Note**: The drive letter for the USB may not be exactly as shown.)
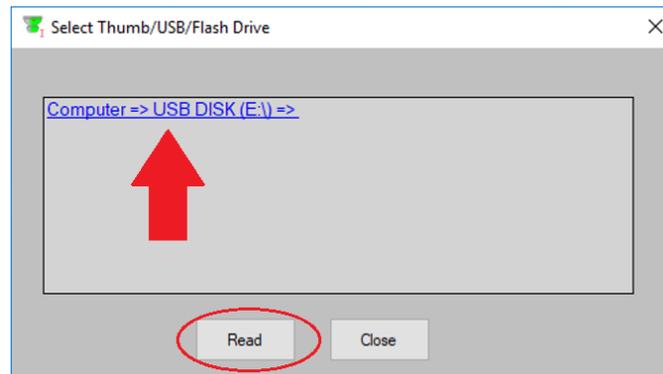
16. Locate the "**FILE1.bak**" on the USB drive that was previously created in step # 7. Click **Open**.
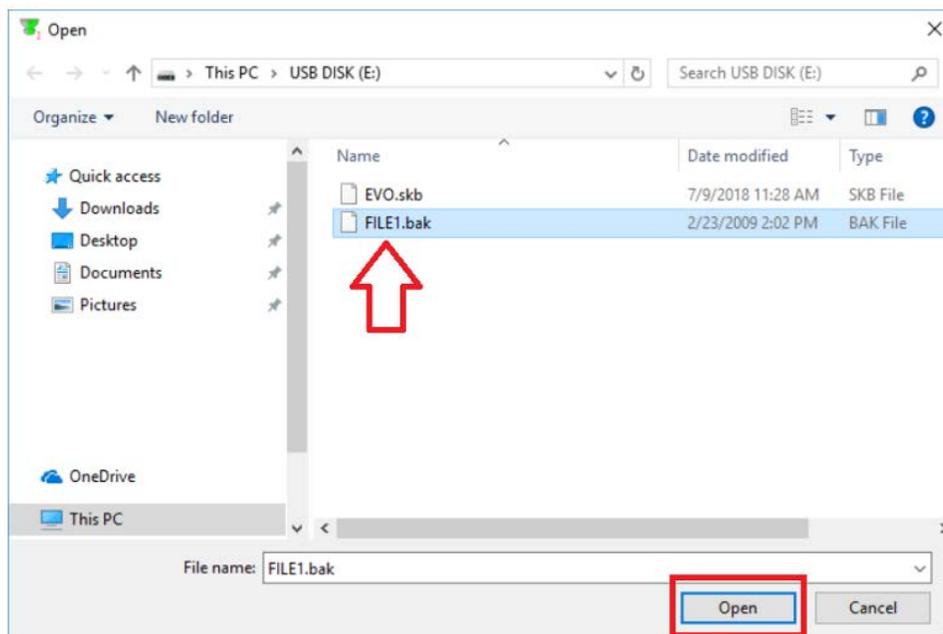
17. The following message box will be displayed. Click **OK** but do not close FS-Tools.
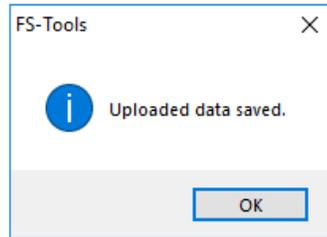
18. Connect the USB Male-A to Male-A Cable from the USB port on the PC to the USB port on the FACP, located underneath the display on the right-hand side. (*Note: There may be a ground fault on the FACP if the computer is running on AC power.*)

19. In FS-Tools (still using the same customer database used in step # 17), select the "**Upload/Download**" tab in the Menu bar and then click "**Upload/Download**".
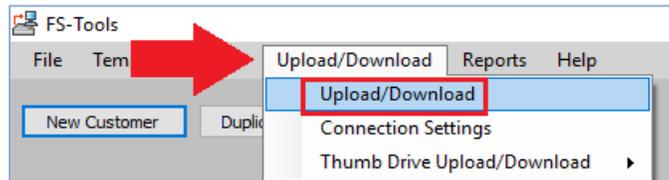
20. The file on the USB must now be converted to the new format. The following screen will be displayed: "**Upload/Download – Direct Connection USB**". Click the **Connect** button.
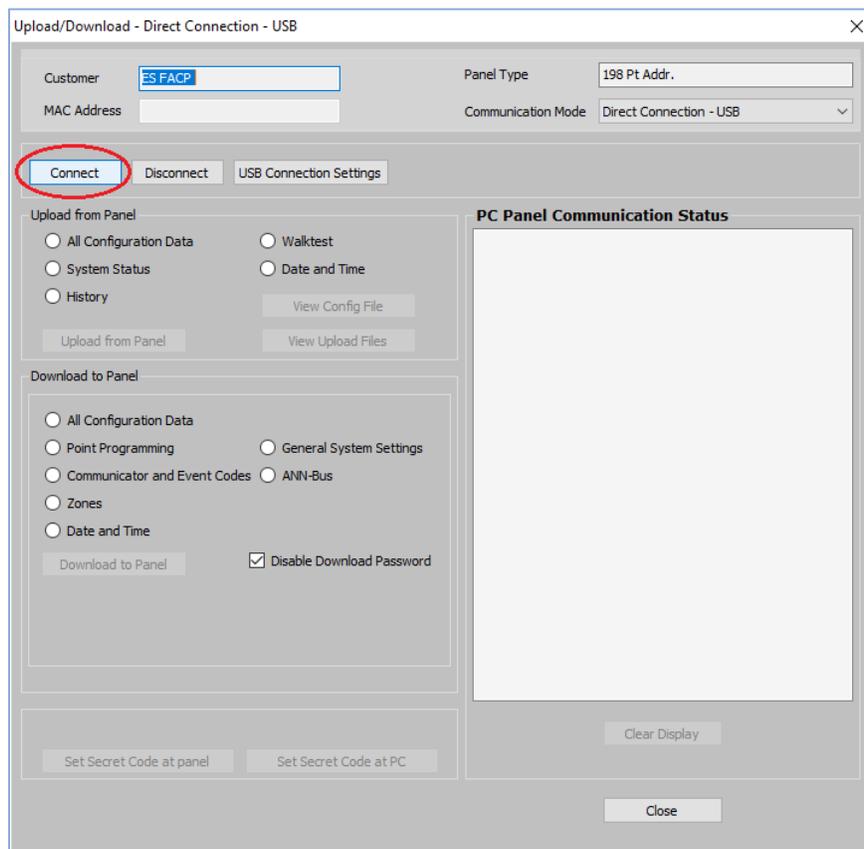
The following screen will be displayed when FS-Tools has been successfully connected the to FACP. Do not close this screen. (***Note***: *The panel name may be different depending on the model number.*)
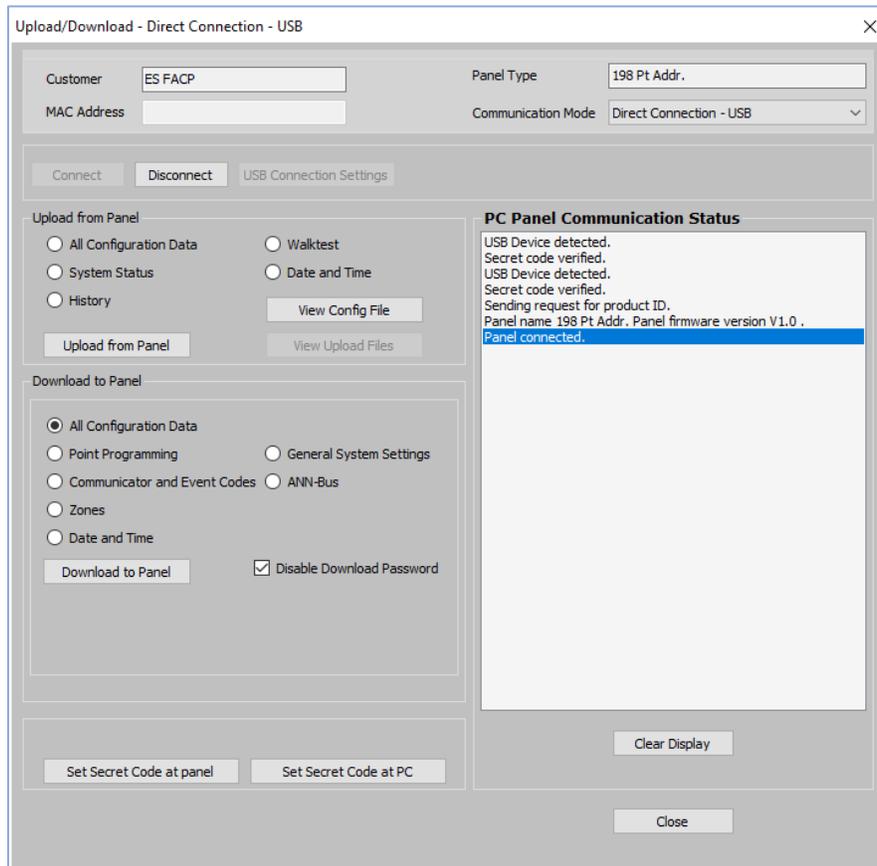
21. At the Fire Panel, press the **MENU/ENTER** button [MENU ENTER]. The main programming screen will display.

```
1=READ STATUS MODE
2=PROGRAMMING MODE
3=FSTOOLS UP/DOWNLOAD
4=USB UP/DOWNLOAD
```

22. Press the **3** button [3 GHI] "**3=FSTOOLS UP/DOWNLOAD".** The screen will display: "REMOTE DOWNLOAD ENTER PASSWORD". Enter the 8-character password. The factory default password is **22222222**. (***Note***: *The password may be five characters instead of eight depending on the version of firmware installed in the FACP.*)

```
REMOTE DOWNLOAD
ENTER PASSWORD
XXXXXXXX
```

23. The Remote Download screen will be displayed.

```
REMOTE DOWNLOAD
1=PROPRIETARY
2=ACCEPT DOWNLOAD
```

Press the **2** button [2 DEF] for "**2=ACCEPT DOWNLOAD".** The screen will then display: "*ALLOWING DOWNLOADS* IF YOU EXIT THIS SCREEN DOWNLOADS WILL BE DISABLED"

```
*ALLOWING DOWNLOADS*
IF YOU EXIT THIS
SCREEN DOWNLOADS
WILL BE DISABLED
```

24. In FS-Tools, at the "Upload/download – Direct Connection – USB screen", click the radio button for "**All Configuration Data**". Then click the "**Download to Panel**" button.
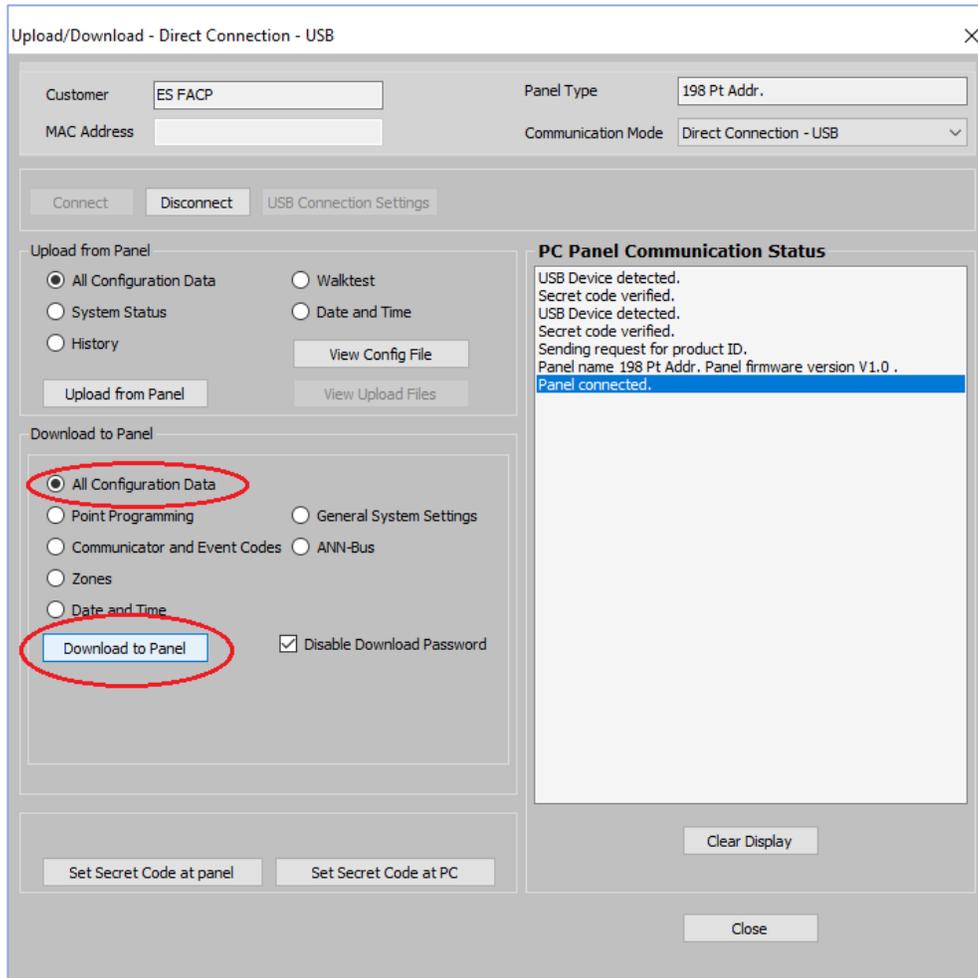
25. The following screen will be displayed before the download begins. Click **OK** to begin the download.
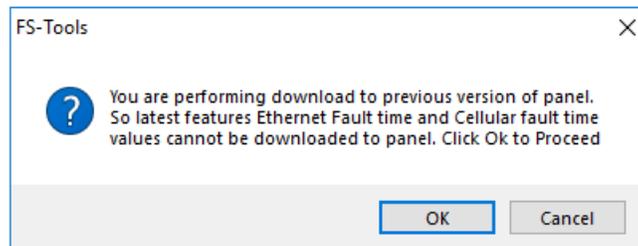
26. The following screen will be displayed indicating that the configuration has been downloaded successfully to the FACP. The PC Panel Communication Status box will display: "**Download Successfully Completed. Restarting Panel Done**".

    (**Note:** *The information displayed in the "PC Panel Communication Status" box may not be exactly as shown.*)
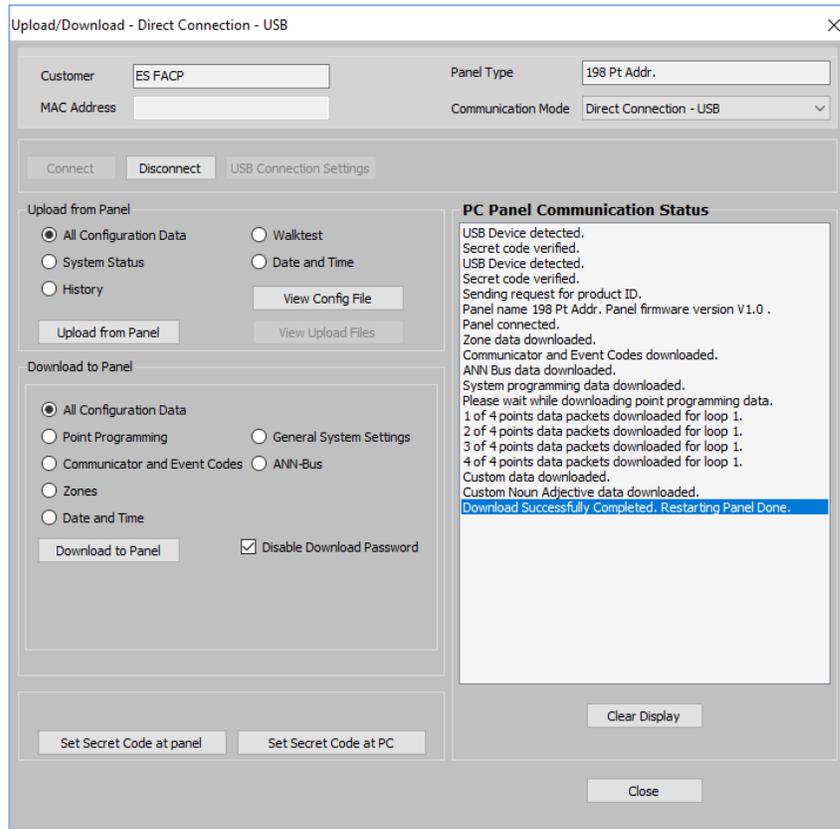
27. The FACP will reset. The following screens may be shown on the display. These screens may display for several minutes. Do not disconnect power from the FACP during the reset process.
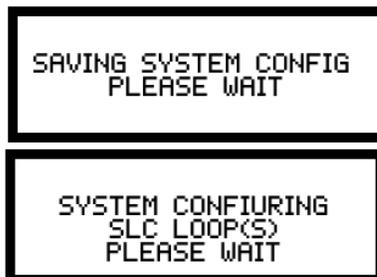
28. After System Reset, the FACP will either show a System Normal screen or Ground Fault Screen. If there is a ground fault, remove the USB cable from the panel. The ground fault will clear within 200 seconds. The system upgrade is now complete.