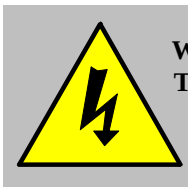
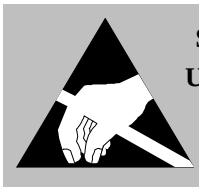


WARNING High Voltage! Take suitable precautions to avoid electric shock.



Static Sensitive Devices! Use anti-static wrist strap when carrying out this procedure

Before upgrading your panel operating software, first upload your configuration file.

Upgrading the Panel Software

To upgrade the Panel operating software, follow the instructions below. For maximum security of the panel loop configuration it is recommended that, before the operating software is upgraded, the existing loop configuration is uploaded from the panel onto a computer (PC) by use of the Offline Configuration Support Tool.

Upon receiving the latest version of panel operating software, copy the following files to an appropriate directory on the PC:

a. Panel Upgrade Kit (including the FlashProgram.exe, FlashProgram.ini and the .hex files).

b. Offline Configuration Program (Adobe Acrobat Reader program requires installation for reading the help file, see Readme.txt file).

To upgrade the panel operating software, first do the following at the panel:

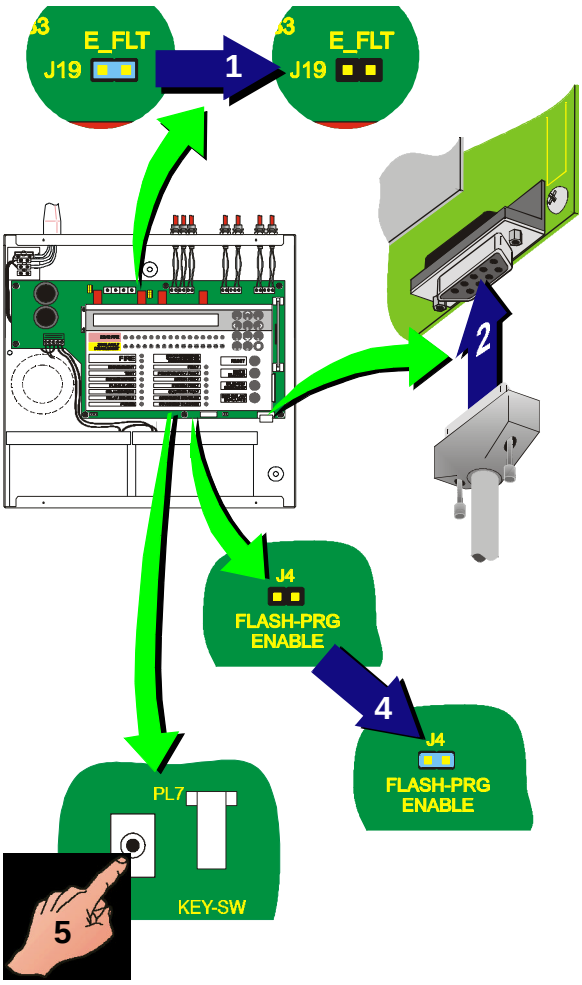
1 Remove the cover, then remove Jumper Link J19 (E_FLT). Removing J19 stops the LCD displaying earth fault messages.

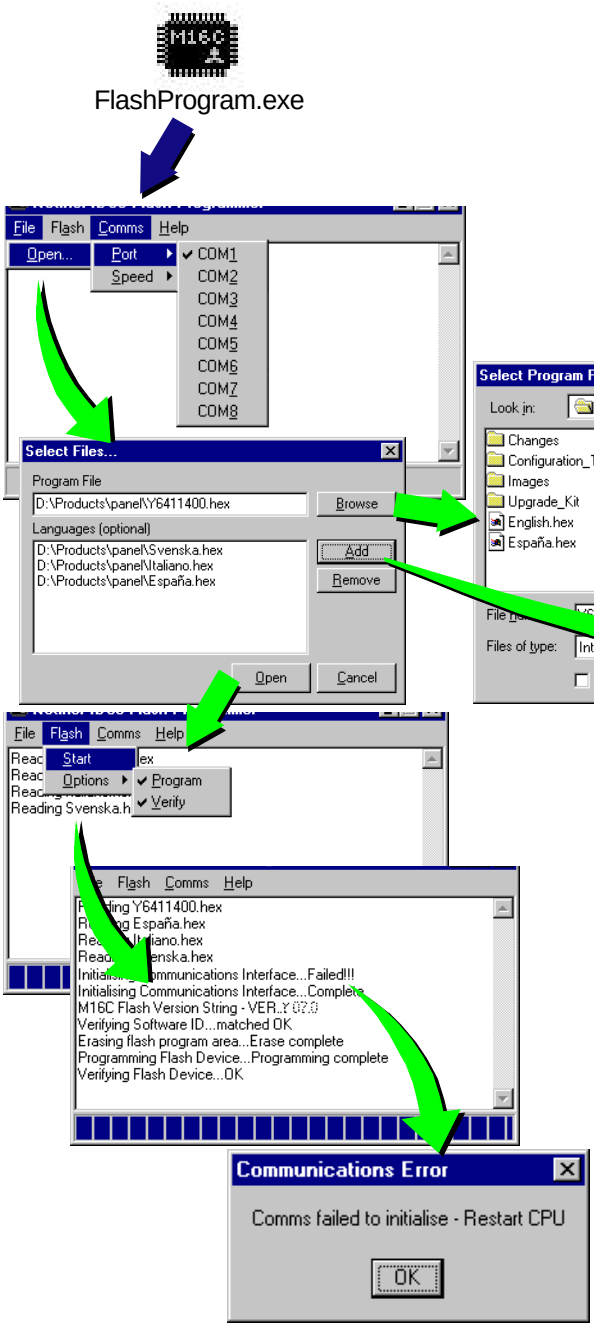
2 Fit the RS232 9-way 'D'-type Data Transfer Lead (PN: 082-173) from the RS232 Interface connector (PL5) to a standard RS232 port on the PC.

3 Use the appropriate Offline Configuration Support Tool to save the loop configuration file to disk (unless you already have an up-to-date configuration file).

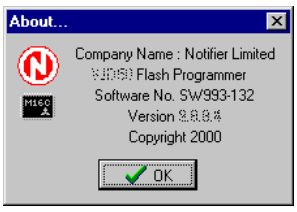
4 Fit Jumper Link to J4 (FLASH-PRG ENABLE) to enable operation of the panel upgrade program.

5 Restart the CPU by operating the reset switch (SW1). This switch is located beside the Keyswitch connector along the bottom edge of the PCB.





TIP! **Selecting About from the Help drop-down reveals the window displaying the Software and Version Numbers, as below.**



TIP! **It is not possible to deselect both Program and Verify from Options on the Flash drop-down.**

At the Computer

1 Locate the *FlashProgram.exe* file and open.

2 Set the flash programming options at the **Comms** drop-down menu. The drop-down provides the following options:

a. **Port** - This option displays ports COM1 to COM8. Select the PC connector port required.

b. **Speed** - This option displays the various baud rate speeds (9600, 19200, 38400, 57600 - recommended) that may used when flash programming.

3 Select the **File** drop-down and **Open** option. This displays a **Select Files...** window dialog box:

a. **Browse** - Press this button to display the **Select Program File** window dialog box. Using standard Windows™ operations, locate the latest panel operating software and select the Open button.

b. **Add** - Not Recommended. Press this button to display the **Add Language File...** window dialog box. This allows the available language sets to be customised.

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c. **Remove** - Press this button to remove a selected language from the displayed list.

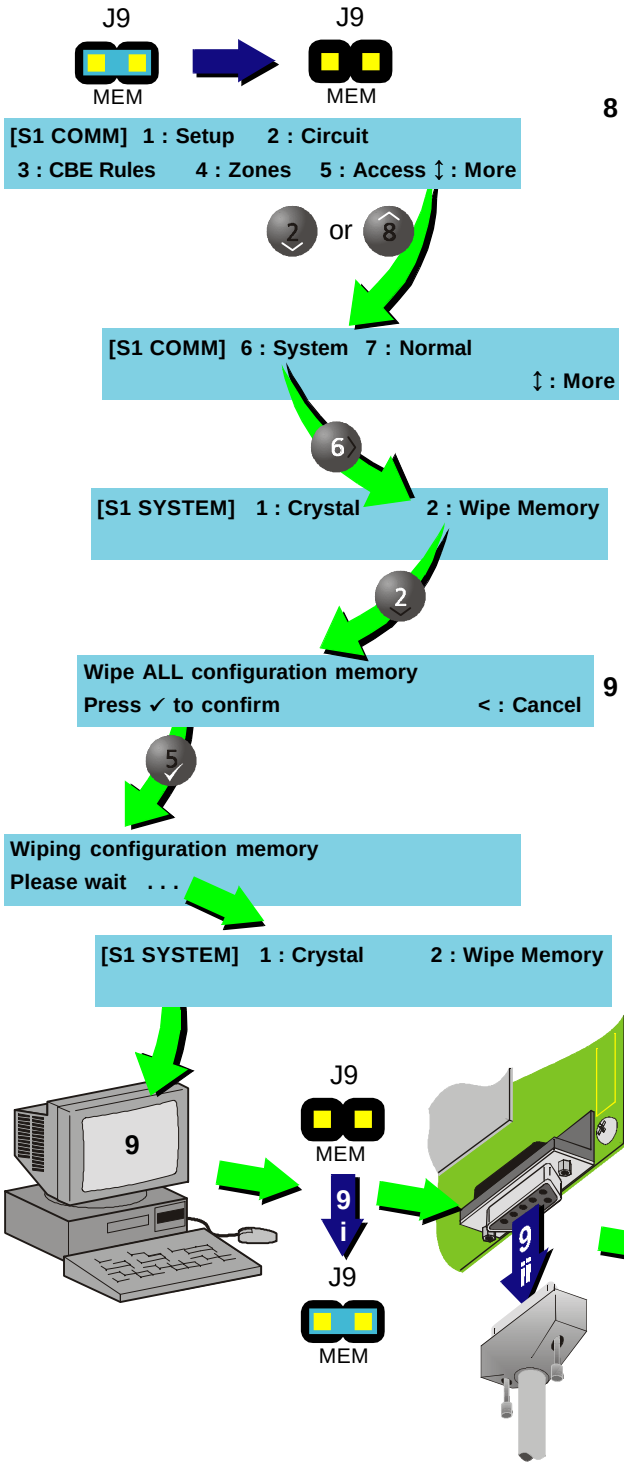
d. **Open** - Press this button to read the selected *.hex* files in preparation for transmission to the panel.

4 When the **Open** button (above) is operated the *FlashProgram.exe* file displays a **Reading file...complete** message in the window and a scrolling bar showing the file being read.

5 Select the **Flash** drop-down. This displays the **Start** option and **Options** alternative:

a. **Start** - This option runs the flash programming software, sending the latest panel operating software to the panel. If the Data Transfer Lead is not connected or an incorrect COM port is selected an **Initialising Communications Interface...Failed!!!** message and a **Communications Error** window is displayed.

b. **Options** - This displays the **Program** and **Verify** options. **Program** programmes the flash device on the panel. **Verify** checks that the program has been transferred to the panel correctly. The *FlashProgram.exe* file shows the status of the options as they are completed.



At the Panel

6 After the successful completion of the panel operating software upgrade, remove the Jumper Link from J4 (FLASH-PRG ENABLE (see page 1)).

Do not isolate the power to the panel.

7 The panel displays the **'initialising system ...'** and then the power-up CPU RESTART messages. Press the MUTE BUZZER and then the RESET pushbutton. If control keys are only accessed at Level 2 enter an appropriate passcode at the prompt and wait for the panel to settle to a quiescent state.

8 Perform a Wipe Memory operation:

i Remove the link from the configuration lock (J9).

ii Use the numeric keypad to access the Commissioning Menu. The LCD prompts for a Level 3 passcode. Enter Level 3 passcode and confirm using the '5' button.

iii Using the numeric keypad, press the '6' button to select the System Menu. This menu displays the Crystal and the Wipe Memory options.

iv Using the numeric keypad, press the '2' button to select the Wipe Memory option. When prompted, confirm using the '5' button. Wait for the 'Wiping configuration memory' message to revert to the System menu.

9 Using the latest version of the Offline Configuration Tool, transmit the latest loop configuration to the panel (see **997-405, ID/NF Single Loop Panel - Offline Configuration Tool**). When successfully completed, continue as follows:

i Fit the link to J9 (configuration lock).

ii Disconnect the RS232 lead.

iii Fit the link J19 (E_FLT).

iv Fit the cover and configure the correct date, time and language if required.