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Product:
ZP3 EN54 Panel

Software:
SW71910 Ver 3.10

Procedure to upgrade ZP3 719xx V2.xx Fire Panel CPU Software to V3.10 using Planner V3.1.3.x

1. System Software description

Ziton component	SW Stream	Typical Existing Version	New Upgrade Version
CPU Software	SW71910	2.09	3.10
Line Driver Software	SW72001	2.00	3.04
Planner for Windows Software	SW68601	1.16	3.1.3.119

2. Overview

Planner must be used to retrieve the configuration data file and maintenance data file before the Code upgrade is done. These files can then be restored to the ZP3 panel after the code upgrade has been completed.

The CPU software upgrade procedure is similar to the existing procedure by making use of the ZP3 USB Programmer to do a code load. In addition to this the Line Driver microcontroller needs to be upgraded to V3.04 or later.

The ZP3 Fire Panel therefore needs to be powered down as it starts rebooting after the completion of the CPU software upgrade from Planner. The Line Driver microcontroller (U1 on ZP3 main board) then needs to be replaced with software stream SW72001 v3.04.

NOTE: The ZP3 Fire Panel will not operate correctly if the Line Driver microcontroller has not been upgraded as described above.

3. Step by step upgrade procedure

3.1 Planner for Windows setup

3.1.1. Upgrade Planner to the latest Version 3 release – 3.1.3.119

3.1.2 Setup the communication protocol to do a code upgrade as follows:

Navigate to *Menu* -> *Link* -> *Set Baud rate* in Planner

Bits per Second - 9600
Data bits - 8
Parity - Even
Stop bits - 1
Flow control - None

Navigate to *Menu -> Link -> Set Port Protocol* in Planner

Select COMM Port Number - 1 or 2 or 3 or 4 (as appropriate)
Select Protocol - ZCP3 Planner
Set Timeout Value - 2

3.2. ZP3 Fire Panel setup

3.2.1. Setup the Z-Port 1 as follows:

Protocol - ZCP3 (11)
Baud rate - 9600
Data bits - 8
Parity - Even
Stop bits - 1

3.2.2. Ensure the flash write jumpers, JP2, JP3 and JP4 are inserted on the CPU board.

3.3. Configuration and Maintenance data retrieval

3.3.1. Connect the PC running Planner for Windows to the ZP3 panel using a Ziton communications cable.

3.3.2. If a Planner project exists for the installation/panel that is to be upgraded, open the project. If a Planner project does not exist, create a new project in Planner (refer to Planner User manual).

3.3.3. Select the ZP3 panel number to be upgraded in the Planner project.

3.3.4. Proceed as follows in Planner:

Navigate to *Menu -> Link -> Receive data from panel-> Receive All Data*

3.3.5. The Maintenance and Configuration data will be transferred from the ZP3 panel to Planner.

3.3.6. Save the Planner project.

3.4. Code upgrade procedure

3.4.1 Remove the contents from the ZP3 USB Programmer box. Do not remove the ZP3 USB Programmer from the anti-static bag.

3.4.2 Keep the anti-static wrist strap, and empty box aside.

3.4.3 Remove mains and battery backup power from the ZP3 Fire Panel.

3.4.4 Attach the provided anti-static strap to your wrist, and clip on to earth stud on Panel Box.

3.4.5 Unscrew and remove the CPU board from the ZP3 Panel and fit in place in the ZP3 USB programmer box.

3.4.6 Insert jumpers for main program, configuration and maintenance flash chips. These are JP2,JP3 and JP4 on PCB 0473Vxx and PCB 2037V02, and JP1, JP2 and JP3 on PCB 2037V1a.

3.4.7 Remove the anti-static strap from the earth stud.

3.4.8 Open the anti-static bag containing the ZP3 USB Programmer.

3.4.9 Carefully slide out the PCB only enough to attach the anti-static strap (clip), to the hole in the PCB. Once the strap is attached, you may remove the PCB from the bag.

3.4.10 Plug the ZP3 Programmer into the CPU board by carefully aligning the pins.

- 3.4.11 Plug one end of the provided mini USB cable into the PC, and the other end into the programmer.
- 3.4.12 If this is the first time the ZP3 USB programmer is connected to your PC, Windows will launch the *Found New Hardware Wizard*. At this point refer to the *ZP3 USB Software Installation.doc* on the CD, and follow the instruction.
- 3.4.13 Start the ZP3 USB Programmer software.
- Proceed as follows:
- Click *Analyse* button. When complete, Upgrade Firmware button will enable.
 - Click *Upgrade Firmware* button Click on the *Open* button
 - Select the firmware stream 71910
 - Select the firmware version 71910_3.10
 - If you are adding an extra language, select the language, and click *Program Language File* checkbox
 - Click *Start*
- 3.4.14 Wait for programming to complete.
- 3.4.15 Remove the mini USB cable from the programmer.
- 3.4.16 Carefully remove the programmer from the CPU board by rocking the programmer along its short (board width) axis, until it is unplugged. Then lift to remove from the ZP3 CPU Board.
- 3.4.17 Slide the Programmer board back into its antistatic sleeve, and unclip the antistatic strap from it.
- 3.4.18 At the ZP3 Panel, clip the antistatic wrist strap onto the Panel Box earth stud.
- 3.4.19 Fit the CPU board back into the ZP3 Panel, carefully aligning it's pins, and screw in place.
- 3.4.20 Remove the Line Driver microcontroller (U1) on the ZP3 Main Board and replace it with a new one labeled SW72001 V3.04
- 3.4.21 Remove the antistatic strap from the earth stud and wrist, and place with Programmer and cables, back in Programmer box.
- 3.4.22 Restore the ZP3 mains and battery power supplies.
- 3.4.23 The ZP3 Fire Panel will boot up with the new software successfully loaded.

3.5. Configuration and Maintenance data restoration

- 3.5.1. Once the ZP3 panel has booted up and has finished the initialization routines, the Configuration and Maintenance data can be restored from Planner to the ZP3 panel. Ignore any faults displayed on the panel until the Planner operation is complete.
- 3.5.2. Ensure that the Planner PC is connected to the ZP3 panel using a Ziton communications cable.
- 3.5.3. Proceed as follows in Planner:
- Navigate to *Menu -> Link -> Send data to panel-> Send All Data*
 - Select the panel number of the ZP3 Fire Panel eg. 50
 - Enter the level 4 password eg. 2000
 - Click on the *OK* button
- 3.5.4. The Maintenance and Configuration data will be transferred from the Planner to the ZP3 panel.
- 3.5.5. Once this data has been transferred, the software upgrade is complete.