ZFP - Quick Start Installation Guide

WARNING! DO NOT connect or disconnect the panel's internal wiring/looms, or terminate field wiring at the PCBs, with the panel's power applied (either Mains or battery).

Failure to observe this will destroy the panel's electronic components and the warranty will be void.

THIS GUIDE IS FOR EXPERIENCED INSTALLERS OF ANALOGUE FIRE SYSTEMS ONLY AND SUMMARISES KEY INFORMATION PROVIDED IN THE MAIN INSTALLATION AND PROGRAMMING MANUAL (DOCUMENT NO. DFUS000503). IF YOU ARE IN ANY DOUBT WHATSOEVER, READ THE FULL MANUAL. This product is a piece of Class 1 equipment and MUST BE EARTHED.

Anti-static handling guidelines: Make sure that handling precautions for electro-static devices (ESD) are taken immediately before handling PCBs and other ESD components.

Section numbers, e.g. 1, reference sections in the full manual with additional information.

**INSTALLATION PROCEDURE**

**Note:** DO NOT connect Mains or battery power to the panel until the installation is complete, i.e. panel PCBs are fitted and field wiring has been tested and connected to the panel.

- Remove the panel’s lid, chassis and PSU.
- Fit the panel’s back box to a wall.
- Glue field cables to the panel and terminate all screens to the earth bar in the back box.
- Test field cables and ensure they are fault-free, i.e. check continuity of cable runs (including screens).
- Refit the panel’s PSU.
- Connect external Mains cable to the panel (with Mains isolated) – SEE DETAIL 1, opposite.
- Connect the panel’s internal batteries (with battery supply isolated) – SEE DETAIL 2, opposite.
- Refit the panel’s chassis and lid.
- Connect analogue loop(s) wiring to the panel – SEE DETAIL 3, opposite.
- Connect conventional sounder circuit(s) to the panel – SEE DETAIL 4, opposite.
- Connect additional field wiring to the panel – SEE DETAIL 5, opposite.
- Apply Mains and battery supply to power up the panel.
- Investigate and rectify any messages reported as faults on the panel’s touchscreen.

The panel is now ready to be programmed (See Quick Start Programming Guide, overleaf).

**EXTERNAL MAINS CONNECTION**

Isolate Mains power to the panel until it is ready to be tested (one method is to open and lock off the main circuit breaker to the panel).

The panel is supplied with 230V, 50Hz Mains. Terminate incoming Mains to L, N and G/terminals at CONN1 on the Power Supply PCB, shown right.

**INTERNAL BATTERIES CONNECTION**

Isolate battery power to the panel until it is ready to be tested (one method is to disconnect the green battery link wire).

Fit two new, good quality and fully charged 12V VRLA batteries. Use the connection wires (supplied) to connect the batteries to CONN5 on the Power Supply PCB, shown right.

**CONVENTIONAL SOUNDER CIRCUITS CONNECTION**

Two sounder circuit connectors (SNDR1 & SNDR2) are provided on the Main 2-Loop PCB, shown right. N.B. Some protocols and systems have different methods of loop isolation. The example shown right has loop isolators in every +ve leg of each device. See full manual for details.

Terminate all screens to the earth bar in the back box.

**TYPICAL ANALOGUE LOOPS CONNECTION**

Two analogue loop connectors (Loop1 & Loop2) are provided on the Main 2-Loop PCB, shown right.

**ADDITIONAL FIELD WIRING**

Auxiliary inputs 5.13  AUX 24V output 5.14  Relay outputs 5.16

Networking 6  A-Bus (RS485) 7

Disclaimer: Errors and omissions excepted. No responsibility can be accepted by the manufacturer or distributors of this range of fire panels for any misinterpretation of instructions or guidance notes or for the compliance of the system as a whole. The manufacturer’s policy is one of continuous improvement and we reserve the right to make changes to product specifications as our discretion and without prior notice.

Approved Document No. DFUS000504 Rev 4
ZFP - Quick Start Programming Guide

The quick start programming steps detailed below provide a basic configuration of the system when the panel is first powered up. It is assumed that all loops are correctly wired to the panel with no wiring/crossover faults.

Hint: ZFP PC Programming Tools (Part No. ZTOOLS) are available that allow quick and easy input of data, cause and effect programming, naming of devices, zones and groups, etc. Contact your supplier for details.

The following touchscreen buttons are available in the steps listed below:
- Menu - displays user menus
- returns to previous menu
- scroll up
- scroll down
- confirms changes/settings
- cancels changes/settings

Section numbers, e.g. 9.1, reference sections in the full manual with additional information.

**ENTER ACCESS LEVEL 3 (AL3)**

First, press the AL3 button on the panel’s touchscreen to display the access level 1 menu options. Then, press the AL3 button and the AL3 login window appears (shown below left).

Using the touchscreen’s numeric keypad, enter the four-digit AL3 code (default code is 4 4 4 4). When the code has been entered correctly, the AL3 menu options appear (shown below right).

**SET PANEL’S TIME AND DATE**

At AL3, press the button and a window similar to the one shown right appears.

Set the time and date using the touchscreen’s numeric keypad and buttons. Also, set/unset the daylight saving time (DST).

When correct, press the button to return to the AL3 menus.

**LOOP LEARN**

During a loop learn, the panel interrogates every device fitted on a selected loop to identify the type of device and its address. This enables any missing, double-addressed, or wrong devices to be identified.

At AL3, press the button to display the Commissioning menu, then press the button. The window shown right appears. Select the loops you want the panel to learn (Loop 1 and Loop 2 are shown selected), then press the button.

Investigate and rectify any messages reported as faults on the touchscreen.

**AFTER A SUCCESSFUL LOOP LEARN YOU WILL HAVE A SINGLE ACTIVE ZONE (I.E. ZONE 1) “ONE OUT, ALL OUT” FIRE ALARM SYSTEM!**

**NAMING LOOP DEVICES (WITHOUT USING PTOOLS)**

At AL3, press the button to display the Commissioning menu, then press the button. A window similar to the one shown below left appears showing the device description for Loop 1, Address 001. Note you can view details for other loops or addresses by pressing the relevant ‘Loop’ or ‘Address’ field and using the touchscreen’s numeric keypad and buttons.

Press the device description button (‘Loop 1 - Device 1’ shown below) and in the next window amend the text using the touchscreen’s Qwerty keyboard (shown below right). Repeat this naming procedure for all loop devices.

**ADDITIONAL PROGRAMMING FEATURES**

Upon completion of a loop learn, you can view/edit devices, zones and groups from the Commissioning and Engineering menus.

Typical programming features include:

**ACCESS LEVEL 3 (AL3) MENUS**

Note:
1. [Add/ Del, Funcs, Devices, Zones] or Tools may be inserted at any access level by pressing the relevant icon button on the top line of the touchscreen.
2. Menu options shown in [ ] will only be available depending on the panel’s status.
3. Full details of each menu option are detailed in the main manual.