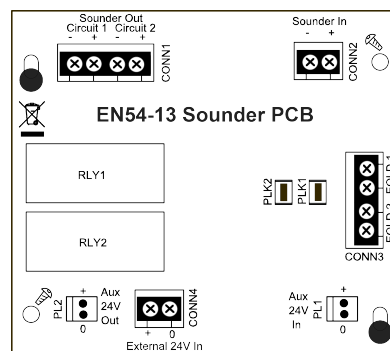


It is assumed this product will be installed by a technically competent person who is fully conversant with the full Installation & Maintenance Manual for the CFP range of fire alarm panels.

Function

The EN54-13 Sounder PCB (shown right) provides two sounder circuits for the CFP fire alarm panel that are fully compliant with EN54-13 (Compatibility Assessment of System Components).

Each sounder circuit has to be fitted with an Active end-of-line Device (EOLD).



Items Supplied

- 1 x EN54-13 Sounder PCB (Part No. BF354) – shown right (above)
- 2 x Active EOLD (Part No. BF355) – shown right (below)
- 1 x 2-way polarised power supply loom
- 1 x 10K resistor
- 2 x retaining screws



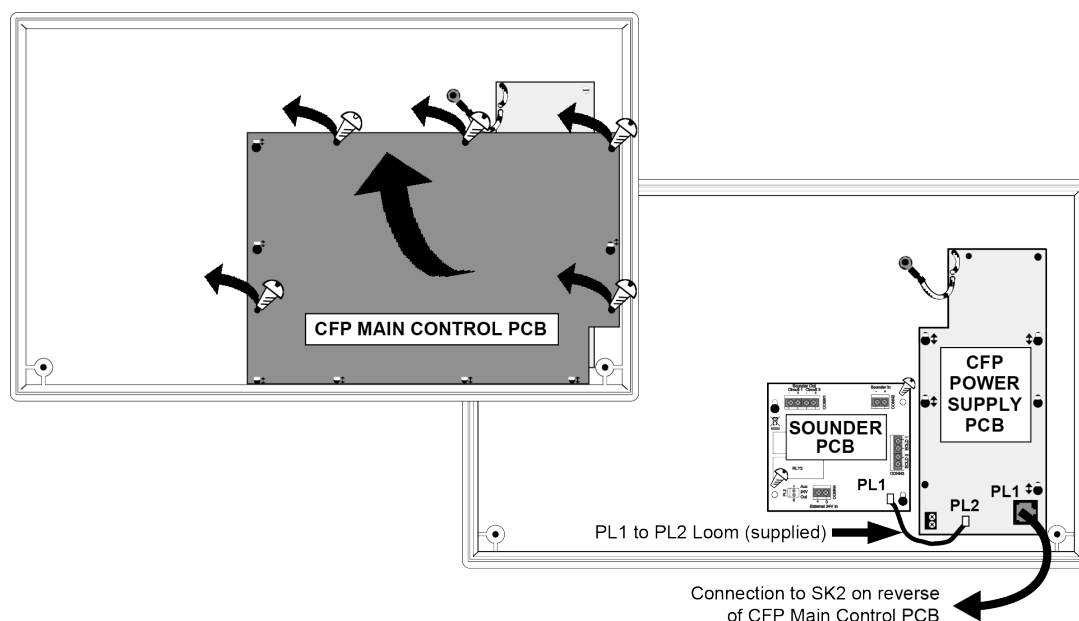
Installation

Note the Sounder PCB has to be mounted inside the CFP enclosure.

Always remember to power down the system before fitting the Sounder PCB.

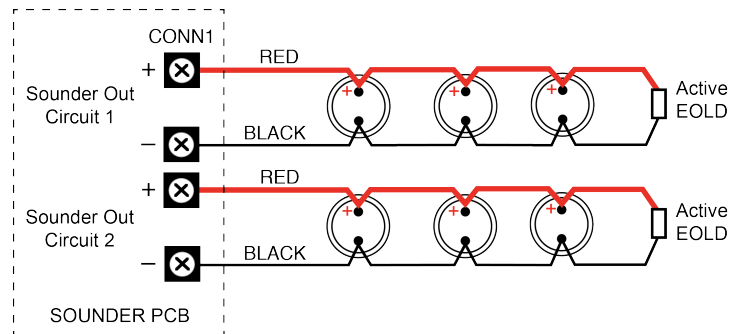
- Step 1. Isolate Mains supply to the CFP panel and disconnect the panel's battery back-up supply.
- Step 2. Remove the Main Control PCB from the CFP panel (note that the connection cable needs to be disconnected from PL1 on the Power Supply PCB). See Fig.1.
- Step 3. Locate the two mounting slots provided in the base of the CFP panel, then slide the Sounder PCB downwards into position and secure with two retaining screws (provided). See Fig.1.
- Step 4. Wire the 2-way polarised loom (supplied) from PL1 on the Sounder PCB to PL2 on the Power Supply PCB. See Fig. 1.

Fig. 1 – Location of Panel's Base PCBs and Removal Details



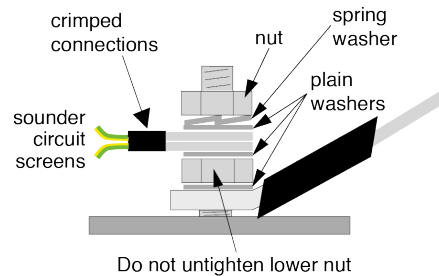
- Step 5. Wire the conventional sounder circuit(s) to the Sounder PCB terminals (Sounder Out Circuit 1 & Sounder Out Circuit 2). See Fig. 2.
- Step 6. Wire the Active EOLD (supplied) to the last sounder on each circuit, as shown in Fig. 2 below. Note if sounder circuits are not connected, the Active EOLD must still be fitted at the Sounder PCB terminals.

Fig. 2 – Sounder Circuit Connections



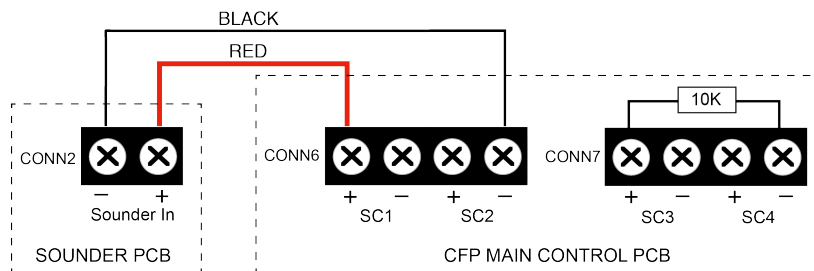
- Step 7. Terminate the sounder circuit's screens at the panel's base earth post. See Fig. 3.

Fig. 3 – Earthing Screens to Base Earth Post



- Step 8. Wire the Sounder PCB to the Main Control PCB and fit 10K resistor (supplied). See Fig 4.

Fig. 4 – Sounder PCB to Main Control PCB Connections



DO NOT connect any sounder circuits to CFP terminals SC1, SC2, SC3 & SC4.

- Step 9. Refit the Main Control PCB in the CFP panel.
- Step 10. Reconnect Mains and battery supply to the CFP panel.
- Step 11. Test the sounder circuits for correct operation.

Technical Specification

Description / Part Number:	EN54-13 Sounder PCB / BF354
Number of Sounder Circuits:	2
EOLD Value:	6800 ohms, 5% tolerance, 0.25W.
EOLD Monitoring:	Detects series resistances down to $10\Omega \pm 10\%$.
Sounder Circuit Monitoring:	Monitored for partial and full, open or short circuit faults.
Alarm Voltage:	27VDC maximum, 20VDC minimum.
Sounder Circuit Fuses:	Each circuit fused at 400mA hold current, 800mA max. trip current.
Total Sounder Output Current:	$2 \times 400\text{mA} = 800\text{mA}$.
Maximum Number of Sounders:	Dependant on type of sounder, see EN54-13 Model.