

Concept Panels



The Concept panel has been designed to work with the new Fulleon 2 wire sounders, which operate on the detection zone using standard call points and detectors. The panels are available in 2, 4, 6, 8 and 12 zone models with 2 or 4 sounder circuits. They can be used in conventional 4 wire mode, e.g. a pair for detectors and a pair for sounders, for use with existing systems, and also in a 2 wire mode by adding a 2 wire sounder on to the zone. They can be used with a combination of both.

Concept 12 and 4 Zone Panels



Concept 2 Zone



- Meets BS5339 part 4 and EN54.
- Integral detector removal monitoring indicated zonally using schotky diode in detector base.
- Suits Apollo and Hochiki detectors.
- 3 auxiliaries: 1 fault, 1 silence on silence, 1 silence on reset. (2 on the 2 zone).
- 2amp integral power supply (lamp on the 2 zone).
- Suitable for up to 7AH batteries (1.2AH on the 2 zone).
- Earth fault monitoring.
- Low voltage battery protection.
- Repeater outputs.
- Reset, silence, evacuate inputs.
- Precinct/class change input
- One man test facility.
- Isolation of zones, relay, sounders and inputs (zones and sounders only on the 2 zone).

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The 2 wire system reduces the installation costs dramatically, as cabling consists of just 2 wires and is therefore cheaper. The number of terminations are less and if the sound level is found to be too low on final commissioning, additional sounders can be added easily.

These panels are designed to comply with BS5839 and EN 54. The panel consists of two printed circuit boards; one contains the zones and sounders and the other the power supply. The power supply is rated at 2amps, Monitors battery voltage and has a built-in low voltage battery protect relay to prevent deep discharge. The main board has connections for zones 2 or 4 standard sounder circuits, fully monitored, and remote evacuate or class changes, together with three auxiliaries, one for fault, one for alarm - reset on silence, one for alarm - reset on reset. It also has a full set of repeater connections, including remote evacuate, silence and reset. Each zone is monitored for open circuit, short circuit detector head removal using no more than a resistor at end of line. The zones can also support the new Fulleon 2 wire sounder which can be signalled from the panel to turn off and on. Each zone is separately fused for sounder operation. Failure of the fuse does not affect zone monitoring. As well as displaying all faults on the front of the panel it is also possible to isolate zones individually, sounders, auxiliaries and remote input, and also to perform one man test operation, all from the front controls. The panel is also provided with a number of internal switching features to enable, for example, 1998 (short circuit for fire) operation, zone 1 and 2 non latching facilities, delayed sounders and detector remove one man test operation.

Concept Specials



2-12 Zone - 300mm high x 350mm wide x 85mm deep
1-2 Zone - 260mm high x 240mm wide x 65mm deep

- Metal cabinet with lift off front door with knockout at top and bottom.
- Fitted with lock and enable key.
- Power supply 240v 50Hz input. 12 zone current limited to 2amps for a maximum of 2 x 7AH batteries.
- 2 zone current limited to lamp for a 2 x 1.2AH batteries.