

# FIRECHECK CONCEPT

The Firecheck Concept is a range of 2 – 12 zone panels that are specially designed to support the new and now proven 2-wire technology.

The Concept combines a detection zone and sounder line on just one circuit. This reduces wiring and installation costs significantly as it eliminates the need to install separate sounder circuits.

In case traditional, separate sounder lines are required the Concept includes the ability to support them.

An important feature of the Firecheck Concept is that it is widely compatible with the installed line equipment of most manufacturers. Such a flexible design means the panel has just one special requirement, this is the use of 2-wire sounders which are adapted to work on the detection line (please see over the page for further information).



## FEATURES

- 2-wire system creates large savings in installation costs
- No complicated programming
- User friendly with clearly marked switches and fault indicators
- Simple wiring
- Works on existing systems
- One man test facility
- Easy to use key switch operation
- Compatible with installed line equipment of most manufacturers
- Standard conventional equipment, only sounders are special
- Compact design with Glass door and flushing options available
- 2 - 12 zone versions available
- Zone and sounder isolation facility
- Remote control, repeater and class change facility
- Delayed & pulsing sounder options
- Designed to comply with BS5839 and EN54

## SPECIFICATION

Alarm Zones	2 - 4 ZONES	6, 8 & 12 ZONES
<b>Detection circuit loading</b>	20 detectors & 15 two-wire sounders per zone	
	Max 30 two-wire sounders across all zones	Max 70 two-wire sounders across all zones
<b>Sounder Outputs</b>	2 outputs fused at 1amp	4 outputs fused at 1amp
<b>Auxiliary Output</b>	24V dc fused at 500mA	24V dc fused at 500mA
<b>Repeater Outputs</b>	Full set – zonal, fire, fault & buzzer	Full set – zonal, fire, fault & buzzer
<b>Remote control Inputs</b>	Reset, silence, evacuate	Reset, silence, evacuate
<b>End of line monitoring</b>	4K3 Ohms detection & sounder circuits	4K3 Ohms detection & sounder circuits
<b>Fault Contact</b>	1 volt free changeover contact – reset on reset	
<b>Fire Contact</b>	2 volt free changeover contacts – reset on reset	
	1 volt free changeover contact – reset on silence (except std 2 & 4 zone models)	
<b>Standby Battery</b>	2 x 12V 3Ah batteries (sold separately)	2 x 12V 7Ah batteries (sold separately)
<b>Standard standby time</b>	24hrs	24hrs
<b>Construction</b>	1.2mm sheet steel	1.2mm sheet steel
<b>Weight</b>	3.7kg	6.85kg
<b>Size (hxwx d)</b>	230 x 300 x 80mm	320 x 350 x 85mm

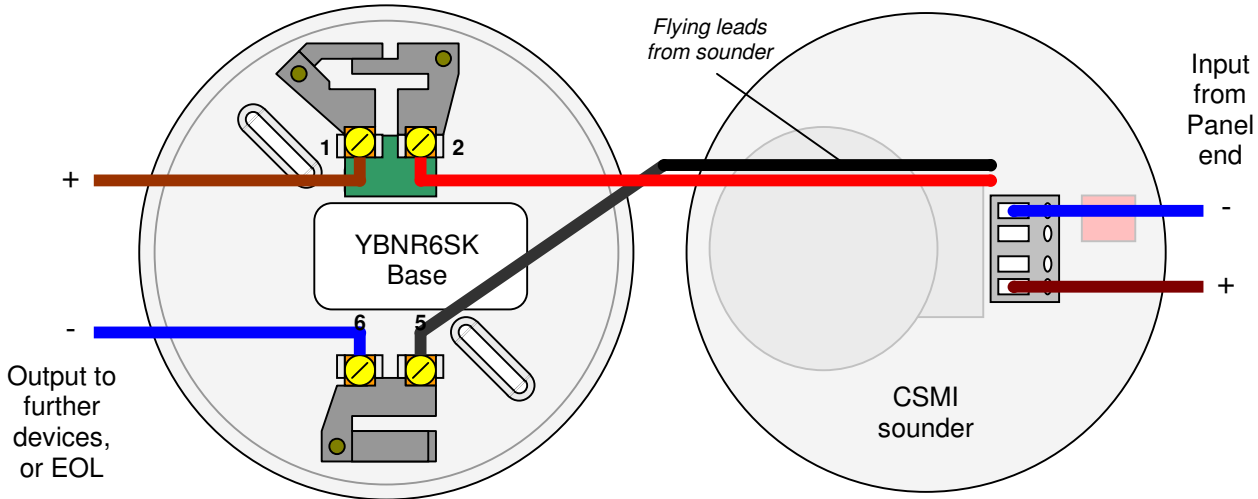
**Larger boxes available for extended standby times**

## 2-WIRE ELECTRONIC SOUNDERS

2-Wire electronic sounders allow easy conversion of conventional systems to 2-wire operation without the hassle or cost of changing the rest of the line equipment. The sounders are fully compatible with the Concept panel and use the latest low current technology. Available in red or white. Unsuitable for class change signalling in schools.

### INSTALLATION

The 2-wire sounders are available in 2 forms: **CSMI** A small unit that may be fitted under a detector and **CSSY** a louder, stand-alone, horn-shaped unit. A cover is available to fit the CSMI where it is required to stand-alone. Please refer to the diagram below to aid installation.



### SPECIFICATION

Model	CSMI	CSSY
Operation	Continuous with synchronised start	Continuous with synchronised start
Sound Output	82-95dB at 1m, depending on tone	100dB output at 1m
Tones available	4	3
Frequency Stability	+/- 0.5%	+/- 0.5%
Operating temperature	-25°C to +70°C	-25°C to +85°C
Construction	ABS plastic case	ABS plastic case
Ingress protection	IP42	IP42
Colour	Red or White as standard	Red or White as standard
Dimensions (h x d)	102 x 35mm	109 x 95mm
Weight	0.212kg	0.155kg

### ORDER CODES

#### PANEL

<b>CFC2</b>	2-wire, 2 zone panel – requires special sounders	<b>3.2Ah batteries sold separately</b>
<b>CFC4</b>	2-wire, 4 zone panel – requires special sounders	<b>3.2Ah batteries sold separately</b>
<b>CFC6</b>	2-wire, 6 zone panel – requires special sounders	<b>7Ah batteries sold separately</b>
<b>CFC8</b>	2-wire, 8 zone panel – requires special sounders	<b>7Ah batteries sold separately</b>
<b>CFC12</b>	2-wire, 12 zone panel – requires special sounders	<b>7Ah batteries sold separately</b>

Larger boxes for over 24hr battery support available, please contact sales

#### SOUNDERS AND REPEATERS

<b>CSMI</b>	Under detector 2-wire sounder
<b>CSSY</b>	Horn-shaped 2-wire sounder
<b>CSMIC</b>	Cover for when CSMI is used as a stand-alone unit
<b>CFC4R</b>	4 zone repeater
<b>CFC12R</b>	12 zone repeater
<b>CRB</b>	Boxed relay
<b>CFCFS</b>	Flushing kit door & Flange (2 & 4 zone panels)
<b>CFCFL</b>	Flushing kit door & Flange (6, 8 & 12 zone panels)