

## Infinity 8 Conventional Fire Alarm






### Quick Start Guide

#### Manuals

As part of our drive to help the environment and reduce our carbon footprint, we are pushing a move to electronic manuals. All our panels will contain a simple quickstart guide, which gives an overview of setting up the panel.

Full manuals can be downloaded to a Smartphone or tablet by scanning the QR code on the panel's serial number label. The user manual can be downloaded from the QR code below.

<p><b>USER MANUAL</b></p>  <p><b>SCAN TO DOWNLOAD</b></p>	<p>Suitable QR scanner apps are available for free in Apple's App Store, or on Android's Google Play</p>  
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Alternatively, they can be downloaded from the support section of our website.

<http://www.zetaalarmssystems.com/support/manuals.html>

Your distributor will be happy to arrange a hard copy of the manual if required

## Introduction

This guide is designed to be used by competent persons who are familiar with the installation and setting up of fire alarm systems.

This guide covers the basic setup of the Infinity 8 panel and devices which connect to the system (detectors, call points, and sounders).

## Installation Steps.

1. The panel should be mounted to a firm surface at eye level and powered up without any zones connected to check it is working correctly without issues, fit batteries to check they are charging.
2. All cables must be tested to make sure there are no shorts or open circuits and earth continuity should be maintained on each zone.

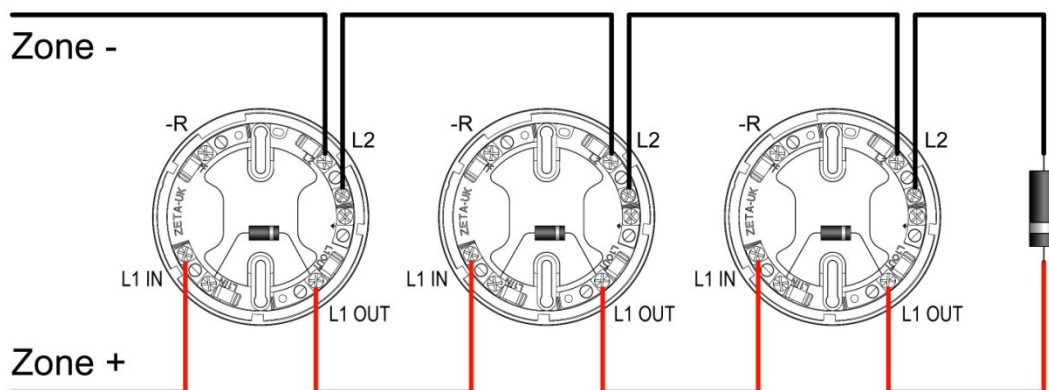
## DETECTOR CIRCUIT WIRING DIAGRAM.

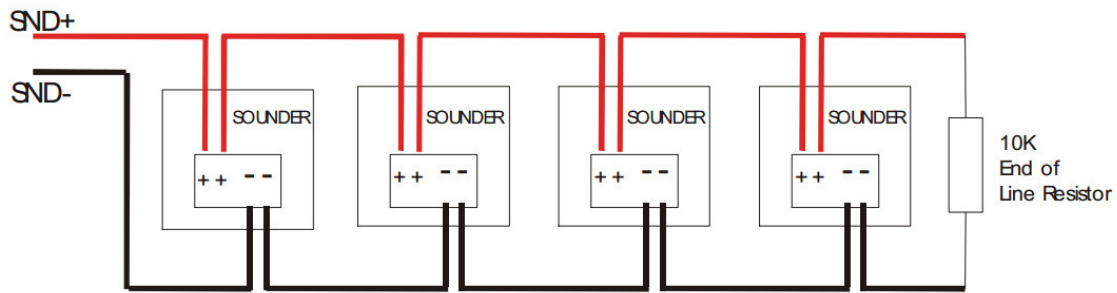
The Infinity 8 comes with one, two, four, six or eight Detection circuits (Zones). A maximum of 32 devices (i.e. smoke detectors, heat detectors, or Manual Call Points) can be fitted to each circuit. ALL DEVICES MUST BE POLARISED.

*Typical detector circuit wiring:*

An End of Line diode (provided in the Panel) must be connected across the terminals of the last device on each circuit to allow the wiring to be monitored. **It is polarity sensitive, and connected cathode (STRIPE) to +ve**

Using detector bases with continuity diodes fitted will allow all devices, including Manual Call Points to remain operational if a detector is removed from its base.





Note: If non-polarised alarm devices (e.g. some types of old mechanical bell, or a relay) are used, then a diode will have to be placed in line with the device to enable fault monitoring. They may also need a back EMF protection diode.

### Powering up the panel

Once the installation has been checked for any cable faults, and all the devices have been fitted and the zones and sounder circuits are connected, Power the panel and check all zones and sounder circuits are clear without any faults.

The Infinity panel uses a access code to activate the controls. The default code is **1245 then press OK.**

### Testing.

When testing the system for the first time it is recommended the following steps are taken.

1. Test each device and ensure it triggers the control panel in a fire condition and indicates the correct zone.
2. Test each device for detector removal e.g. check the panel shows a zone fault when its removed.
3. Check the power supply triggers a fault when the mains power is disconnected, and also if just the batteries are disconnected.

### Programming Options.

The Infinity 8 conventional panel has some unique programming features. Using the 8way D.I.L. switch the following option are available

Switch 1 ON = Compatibility Mode – Turn on if Fyeye-MKII Detectors are NOT used

Switch 2 ON = Zone 2 non latching

Switch 3 ON = Sounder circuit 3 active giving a power output

Switch 4 ON = Sounder circuit 4 active giving a power output

Switch 5 ON = **Reserved**

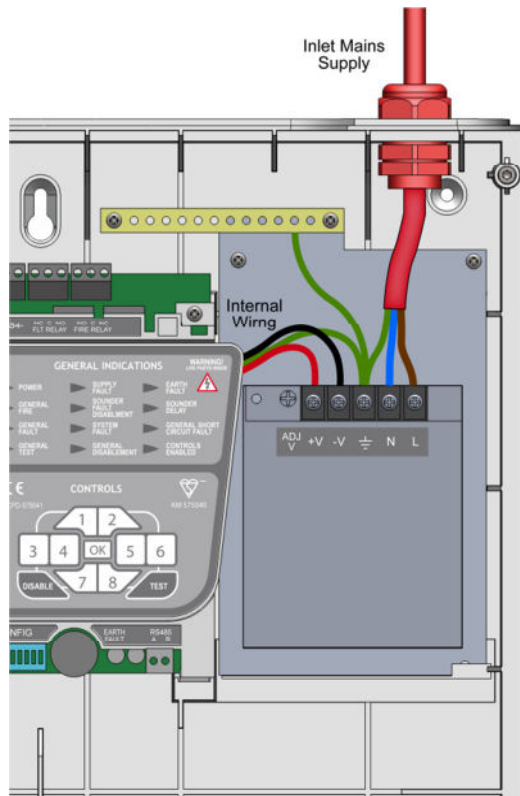
Switch 6 ON = Fault relay activates on a fire condition (Giving 2 fire relays)

Switch 8 ON = Makes the last zone on the panel a call point zone (alarms from that zone not delayed)

**Note: The above options may not comply with local regulations. Please check with the relevant codes of practice in your region.**

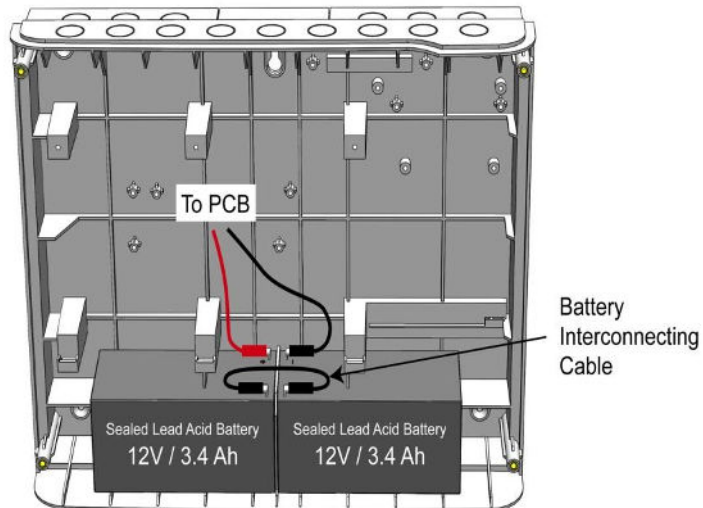
## CONNECTING THE MAINS POWER

Power Supply PCB layout and Mains connection details



## CONNECTING THE BATTERIES

Battery location and connection details



### CAUTION:

**RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.**

**DISPOSE OF USED BATTERIES ACCORDING TO BATTERY MANUFACTURERS INSTRUCTIONS**