

EN54 Approved**Extends the Radio Range of a System****Up to 7 Boosters per System****4 Programmable Relays****2 Monitored Inputs****Plugable Memory Module for Back-up****Compatible with full range of Zerio Plus Panels****Simple to Set-up****Interfaces with Wired Intelligent Antenna****DESCRIPTION**

For systems where the radio range of the control panel is not sufficient, the radio coverage of a building can be increased by installing the EDA-Z6000 booster panel.

The Z6000 booster panel is mains powered and uses a 7.0Ah battery for 72 hours standby.

Up to a maximum of 7 boosters can be installed on a system, which are automatically configured, and relay information around the network.

The EDA-Z6000 is equipped with 4 programmable relays. By default these are configured as a fire routing relay, a fault failsafe relay and 2 sounder circuits. The panel is also equipped with 2 monitored inputs, which can be used to put the Zerio Plus system into alarm. Lastly the panel has 2 sets of RS485 terminals, allowing connection of wired antennas or remote displays.

The installer does not require expensive additional equipment to configure the complete system. The internal memory card is used to copy the main panel configuration to the booster panel.

Internal configuration and operating data can be downloaded on to a USB memory stick and then analysed on a PC. Configuration is also stored on a removable memory card for backup.

TECHNICAL INFORMATION

Indication for System Normal, Fault and Disabled

Built in power supply and charger for 12V

72 hr standby as standard (see over)

RS485 Data connection to operate with other EDA external wired units

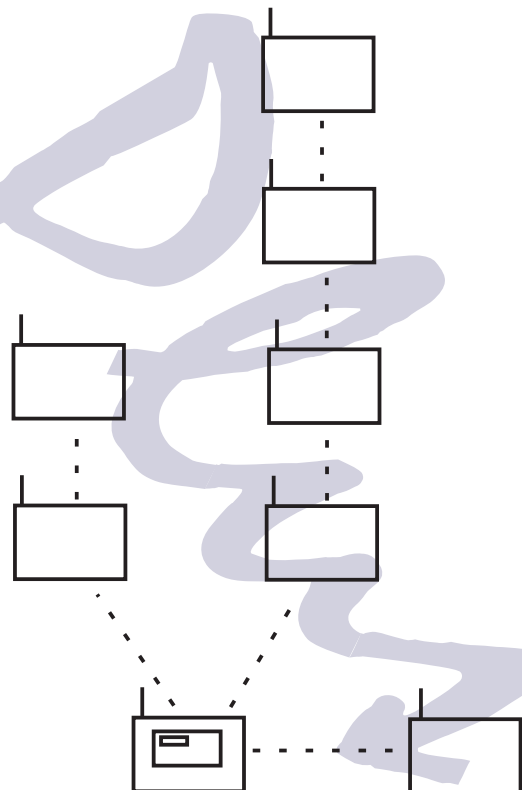
Compact enclosure permitting siting in restricted spaces

Internal memory can be backed up to PC or proprietary memory card

Complies with all applicable requirements of BS5839 and EN54

HOPPING

The Z6000 booster panel has hopping capability built in, which means booster panels can hop their signals back to the main panel via other boosters. With hopping, a booster panel can be placed outside the radio range of the main panel, allowing much greater flexibility when designing the system. An example of a hopping setup is shown below (dotted line indicates radio link).

**ORDER CODES**

EDA-Z6000

Radio Booster Panel

REF:Z5008V100.CDR October 2014

SPECIFICATION

Maximum Number of Devices 240
(Devices include Detectors, Call Points, Transmitters
Sounders and I/O units)

Max no of radio control / booster units 7
(Includes all control, repeater and booster panels, wired transceiver)

Dimensions (mm) W x H x D 275 x 220 x 85mm

Weight (not including battery) 4Kg

Indicators

Supply Green LED to indicate mains present
Fault Yellow LED to indicate fault on unit
Disabled Yellow LED to indicate that the system is isolated or disabled
Led operation may vary in engineers test modes for diagnostic reporting

Supply: Mains : 230V 50Hz 0.3A max
Battery : 1x12V 7.0 Ah sealed lead acid giving 72 hour standby
1 x12V 3.0Ah sealed lead acid giving 48 hour standby
(assumes no external load applied)

Battery Consumption

Mode	Current Drawn
Normal	60mA
Mains Fail	40mA
Alarm Condition	80mA
Fault Condition	40mA

Monitored Inputs 2 x wired monitored circuit (4k7 Ω end of line resistor monitored for open and short circuit, 470 Ω alarm load)

No of Relays (Programmable) 4

Relay Options
Fire Routing - 500mA Changeover Contacts (monitored)
Fire - 500mA Changeover Contacts (clean)
Fault - 500mA Changeover Fail Safe Contacts (clean)
Fault - 500mA Changeover Contacts (clean)
Sounder Circuit - 500mA 12V (monitored)

Operating Frequency 868MHz

Modulation NBFM

Output Power (ERP) 10mW

Operational Temperature 0°C to +60°C

Applicable Standards and Approvals:

European Fire Alarm EN54 Part 18 and 25
British Standards BS 5839 Part 1:2008
R&TTE EN300 220
EMC Standards EN301 489-3
EN50130-4
EN60950:2001