

Extends the Size of a Zerio Plus System

960 Devices per System

42 Booster Panels per System

Multiple Control / Repeater Panels

Compatible with full range of Zerio Plus Panels

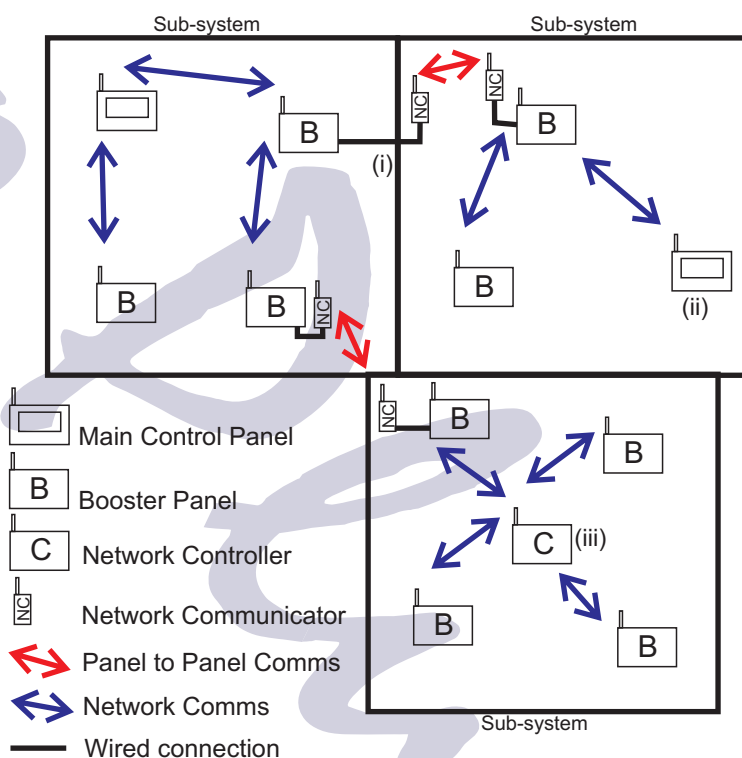
Simple to Set-up



DESCRIPTION

For larger systems where the number of devices exceeds 240 or the number of booster panels required for the radio range exceeds seven, then multiple systems can be linked together to form a larger single system. This seamless interface and in-built protocol allows the system to cater for 960 devices and 42 booster panels. Multiple full functional or repeater control panels can be installed anywhere in the system. Although each sub-system is programmed as an individual system, the user sees the system as if it was just one large system. Each sub-system is designed, as if it was a separate system, requiring a panel to set the system up. This would usually be a Zerio Plus control panel but if a display is not required at this location, it can be substituted for a network controller (EDA-Z6020). This panel is essentially a control panel with the buttons and display hidden inside. Once the front door is opened, using the key, access is permitted to a display and keypad fitted inside the door. From here, the usual menus operate exactly as the main control panel would and allows the engineer to program the system. Each sub-system is set up in exactly the same way as a normal system is setup. Once each sub-system is programmed, a control or booster panel in each sub-system, with good signal strength between the two sub-systems, is nominated to communicate between the two systems, as shown in Fig 1.

The specification of this panel is the same as any normal control panel and you should refer to the data sheet for the EDA-Z5008 control panel for further information.



Notes

- (i) Cable used to improve communication between network communicators
- (ii) Control panel used in this position as display required at end of building
- (iii) Network controller used in centre of network as signal paths to boosters reduced

Fig. 1. Typical Layout

ORDER CODES

EDA-Z6020

Zerio Plus Network Controller Panel

SPECIFICATION

Maximum Number of Devices per sub-system 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)

Maximum Sub-Systems that can be linked 8

Maximum Number of Devices per linked system 960
(Devices include Detectors, Call Points, Transmitters Sounders and I/O units)

Max no of radio control / booster units 42
(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 (external)

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

Indicators (internal)

Fully functional control panel display with LED, LCD and buttons

Supply: Mains : 230V 50Hz 0.3A max
Battery : 1 x12V 7.0 Ah sealed lead acid giving 72 hour standby
1 x12V 3.0Ah sealed lead acid giving 24 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 (4k7Ω end of line resistor monitored for open and short circuit, 470Ω 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 2,4 and 25
British Standards BS 5839 Part 1:2008
R&TTE EN300 220
EMC Standards EN301 489-3
EN50130-4
EN60950:2001

In the pursuance of a policy of continued product improvement Electro-Detectors Ltd. reserves the right to change the design and specification without prior notice. All details were correct at time of printing.

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