

**EXPERT IN SAFETY AND
SECURITY TECHNOLOGY**



Conventional Fire Alarm System Product Range Guide



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Conventional Fire Alarm Control Panel

4 Zone Fire Alarm Control Panel
Model: ZC1004



General

The Zc1000 Series Conventional Fire Alarm Control Panel is a 24 volt, four, eight, sixteen-zone, Class B, Conventional Fire Alarm Control Panel. Designed exclusively to meet the latest market requirements and future ULC codes, the highly cost-effective Zc1000 Series can be used in a variety of low- to mid-sized applications.

Specifications

AC POWER:
90 to 270VAC, 50 Hz, 3.0 amps.
Wire size: minimum 14 AWG (2.0 mm²) with 600-volt insulation.

BATTERY:
Sealed lead-acid batteries only.
Maximum charging circuit: 27.6VDC @ 0.8 amp for normal flat charge.
Maximum battery charger capacity: 18AH battery.

8 Zone Fire Alarm Control Panel
Model: ZC1008



Features

Four to Sixteen Style B (Class B) Initiating Device Circuits (IDCs).

All zones accept two-wire smoke detectors and any normally-open contact devices.

Zones 1 - 16 configured as general alarm zones.

All circuits are power-limited and supervised, meeting the latest ULC requirements using fuseless technology.

Two built-in, Style Y (Class B) Notification Appliance (Signal) Circuits (NACs).

NACs may be programmed: Silenceable, Non-Silenceable, Auto-Silence

1.25 amps of NAC power. 3.00 amps of total system power.

Alarm, Trouble and Supervisory, relay output. 24 volt operation.

Resettable four-wire smoke detector power @ 500 mA. Non-resettable power @ 500 mA.

Integral battery charger capable of charging up to 18 AH batteries (batteries over 4 AH require use of the external battery backbox, or ULC listed equivalent).

Disable/Enable control per IDC.

Reverse polarity protection.

16 Zone Fire Alarm Control Panel
Model: ZC1016



Conventional Fire Alarm Control Panel

4 Zone Fire Alarm Control Panel
Model: ZP1004



The panel is a conventional fire detection control panel and indication control panel, designed to meet all the requirements of EN54-2&4 Microprocessor-based conventional fire alarm control panel
One man test
4 Detection Zones Panel, 25 Detectors per Zone
2 Relay outputs for fire condition
Zones Fault LEDs indication, Zones Isolation LEDs indication
Fault Relay Output, Auxiliary Output for 28Volts
RS485 Port for repeater up to 1.2Km
Up to 8 repeaters can be connected to one panel
2 sound Outputs
Switched mode power supply 24V,3A with 2 battery chargers 12V
End Of Line Status Detection, Short circuit /open circuit detection
Open collector fault output
28V 50mA fused supply output on Fire
Switched mode power supply 3A output

8 Zone Fire Alarm Control Panel
Model: ZP1008



The panel is a conventional fire detection control panel and indication control panel designed to meet all the requirements of EN54-2&4 Microprocessor-based conventional fire alarm control panel
One man test
8 Detection Zones Panel, 25 Detectors per Zone
2 Relay outputs for fire condition
Zones Fault LEDs indication, Zones Isolation LEDs indication
Fault Relay Output, Auxiliary Output for 28Volts
RS485 Port for repeaters up to 1.2Km
Up to 8 repeaters can be connected to one panel
2 sound outputs
Switched mode power supply 24V,3A with 2 battery chargers 12V
End of Line Status Detection, Short circuit /open circuit detection
Open collector fault output
28V 50mA fused supply output on Fire
Switched mode power supply 3A output

12 Zone Fire Alarm Control Panel
Model: ZP1012



The panel is a conventional fire detection control panel and indication control panel designed to meet all the requirements of EN54-2&4 Microprocessor-based conventional fire alarm control panel
One man test
12 Detection Zones Panel, 25 Detectors per Zone
2 Relay outputs for fire condition
Zones Fault LEDs indication, Zones Isolation LEDs indication
Fault Relay Output, Auxiliary Output for 28Volts
RS485 Port for repeater up to 1.2Km
Up to 8 repeaters can be connected to one panel
2 sound outputs
Switched mode power supply 24V,3A with 2 battery chargers 12V
End of Line Status Detection, Short circuit /open circuit detection
Open collector fault output
28V 50mA fused supply output on Fire
Switched mode power supply 3A output

Conventional Fire Alarm Control Panel

16 Zone Fire Alarm Control Panel
Model: ZP1016



The panel is a conventional fire detection control panel and indication control panel designed to meet all the requirements of EN54-2&4 Microprocessor-based conventional fire alarm control panel
One man test
16 Detection Zones Panel, 25 Detectors per Zone
2 Relay outputs for fire condition
Zones Fault LEDs indication, Zones Isolation LEDs indication
Fault Relay Output, Auxiliary Output for 28Volts
RS485 Port for repeater up to 1.2Km
Up to 8 repeaters can be connected to one panel
2 sound outputs
Switched mode power supply 24V,3A with 2 battery chargers 12V
End of Line Status Detection, Short circuit /open circuit detection
Open collector fault output
28V 50mA fused supply output on Fire
Switched mode power supply 3A output

16 Zone Repeater Panel
Model: ZC1016



The repeater is a conventional fire alarm repeater panel and indication control panel designed to meet all the requirements of EN54-2&4 Microprocessor-based conventional fire alarm repeater panel
16 Detection Zones Repeater Panel
Relay output for fire condition
Zones Fault LEDs indication, Zones Fire LEDs indication
RS485 Port for panel connection up to 1.2Km
Up to 8 repeaters can be connected to one panel
Sound outputs
24 Volts needed from panel
4 wire connections to main panel: 2 for power , 2 for RS485
This repeater can be connected to any our fire alarm control panel from 4 Zone to 16 Zone Panels

2 Zone Fire Alarm Control Panel
Model: ZC1002M/S



The mini 2 zone panel have Master panel and Slave panel. One Master panel can connect 31 Slave panel, and the Mater panel could show the fire and fault of all slave panel. The slave panel can only show itself fire and fault.
Mini size as 108X143X40mm
Master panel has 4 digital LED display to show slave number and status.
2 Detection Zones Panel, 25 Detectors per Zone
Fire 1 relay would be activated when one zone alarms.
Fire 2 relay would be activated after 30 seconds delay when two zones alarm.
1 Sound relay output for sound alarm
1 Fault relay output for fault condition
Zones Fire and Fault LEDs indication
Fire1, Fire2, Sound relay outputs can be activated manually
RS485 Port for repeater up to 1.2Km
Up to 31 Slave panels can be connected to one Master panel
Powered by outside DC22-26V power supply
End Of Line Status Detection, Short circuit /open circuit detection

Conventional Fire Alarm Panel

Conventional Prouducts

Conventional Smoke Detector
Model: ZC102



- Compatible with all the conventional fire alarm control panel
- Unpolarized wire input Operating Voltage: 9 to 28 VDC
- Wide range of operating voltages
- Unique optical sensing chamber
- Built in microprocessor intelligent software
- Two LEDs blink standby, provide 360° visibility
- Insect-resistant screening
- Twist-on mounting base with tamper lock
- Drift compensation and smoothing algorithms
- Remote Indicator LED can be connected.

Conventional Smoke Detector
Model: ZC102C



- Compatible with all the conventional fire alarm control panel
- Unpolarized wire input Operating Voltage: 9 to 28 VDC
- Wide range of operating voltages
- Unique optical sensing chamber
- Built in microprocessor intelligent software
- Two LEDs blink standby, provide 360° visibility
- Insect-resistant screening
- Twist-on mounting base with tamper lock
- Drift compensation and smoothing algorithms
- Remote Indicator LED can be connected.

4 Wire UV Flame Detector
Model: ZC6002



- Compatible with all the conventional fire alarm control panel
- Unpolarized wire input
- Wide range of operating voltages
- Unique optical sensing chamber
- Built in microprocessor intelligent software
- Two LEDs blink standby, provide 360° visibility
- Insect-resistant screening
- Twist-on mounting base with tamper lock
- Drift compensation and smoothing algorithms
- Operating Voltage Range: 12 to 28 VDC Volts
- Relay Output: 1A@24V

Conventional Prouducts

Conventional Heat Detector
Model: ZC105



- Compatible with all the conventional fire alarm control panel
- Unpolarized wire input Operating Voltage: 9 to 28 VDC
- Wide range of operating voltages
- High precision electronic thermistor
- Built in microprocessor intelligent software
- Two LEDs blink standby, provide 360° visibility
- Insect-resistant screening
- Twist-on mounting base with tamper lock
- Remote Indicator LED can be connected.

Conventional Heat Detector
Model: ZC105C



- Compatible with all the conventional fire alarm control panel
- Unpolarized wire input Operating Voltage: 9 to 28 VDC
- Wide range of operating voltages
- High precision electronic thermistor
- Built in microprocessor intelligent software
- Two LEDs blink standby, provide 360° visibility
- Insect-resistant screening
- Twist-on mounting base with tamper lock
- Remote Indicator LED can be connected.

4 Wire Gas Detector
Model: ZC502



- Compatible with all the conventional fire alarm control panel
- Unpolarized wire input
- Wide range of operating voltages
- High precision electronic thermistor
- Built in microprocessor intelligent software
- Two LEDs blink standby, provide 360° visibility
- Insect-resistant screening
- Twist-on mounting base with tamper lock
- Operating Voltage Range: 9 to 28 VDC Volts
- Relay Output: 1A@24V

Conventional Product

Conventional Prouducts

Conventional Smoke & Heat Detector
Model: ZC103



- Compatible with all the conventional fire alarm control panel
- Unpolarized wire input Operating Voltage: 9 to 28 VDC
- Wide range of operating voltages
- Unique optical sensing chamber and High precision electronic thermistor
- Built in microprocessor intelligent software
- Two LEDs blink standby, provide 360° visibility
- Insect-resistant screening
- Twist-on mounting base with tamper lock
- Drift compensation and smoothing algorithms
- Remote Indicator LED can be connected.

Conventional Manual Call Point
Model: SB106



- Operating Voltage: 9 to 28 VDC
- Compatible with all the conventional fire alarm control panel
- Can be reset by key
- 470 Ohm resistance
- Easy surface mounting Base included

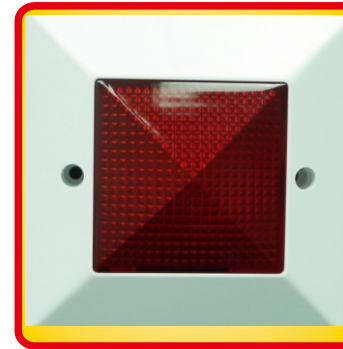
Conventional Manual Call Point
Model: ZC116



- Operating Voltage: 9 to 28 VDC
- Compatible with all the conventional fire alarm control panel
- Can be reset by key
- Push & Pull down operation
- Easy surface mounting Base included

Conventional Prouducts

Conventional Sound Strobe
Model: ZC108



- Operating Voltage: 9 to 28 VDC
- Compatible with all the conventional fire alarm control panel
- Long LED light life up to 100000 flahsed
- High sound level up to 100dB

Conventional Sound Strobe
Model: ZC109



- Operating Voltage: 9 to 28 VDC
- Compatible with all the conventional fire alarm control panel
- Long light life up to 40000 flahsed
- High sound level up to 100dB

Conventional Manual Call Point
Model: ZC106



- Operating Voltage Range: 9~32VDC Volts
- Nominal Operating Resistance: 300Ω
- Relay Contact Ratings: 2A/30VDC
- Operating Humidity Range: 95% RH, Non-condensing
- Operating Temperature Range: -10°C to 50°C

Conventional Prouducts

Conventional Alarm Bell
Model: ZC188-6



- Voltage ranges: 20vdc to 28vdc (Nonpolarity)
- Three module size of 6 inch
- Compatible with all the conventional fire alarm control panel
- High sound level up to 95dB
- Easy installation bracket included
- Steel material

Beam Detector with Relay Output
Model:C-9105R



- Voltage ranges: 15vdc to 28vdc (Nonpolarity)
- Power Current: Commission current>20mA
Standby current>12mA Alarm current>22mA
- Fire Alarm Relay: Contact capacity 28V/2A
- Fault Relay: Contact capacity 28V/2A
- Monitoring Area: aximum monitoring area: 14*100=1400m²
- Maximum width: 14m Length of Optical Pathway: 8m-100m
- Reflector:1-4pcs

Conventional Prouducts

Remote LED
Model: ZC111



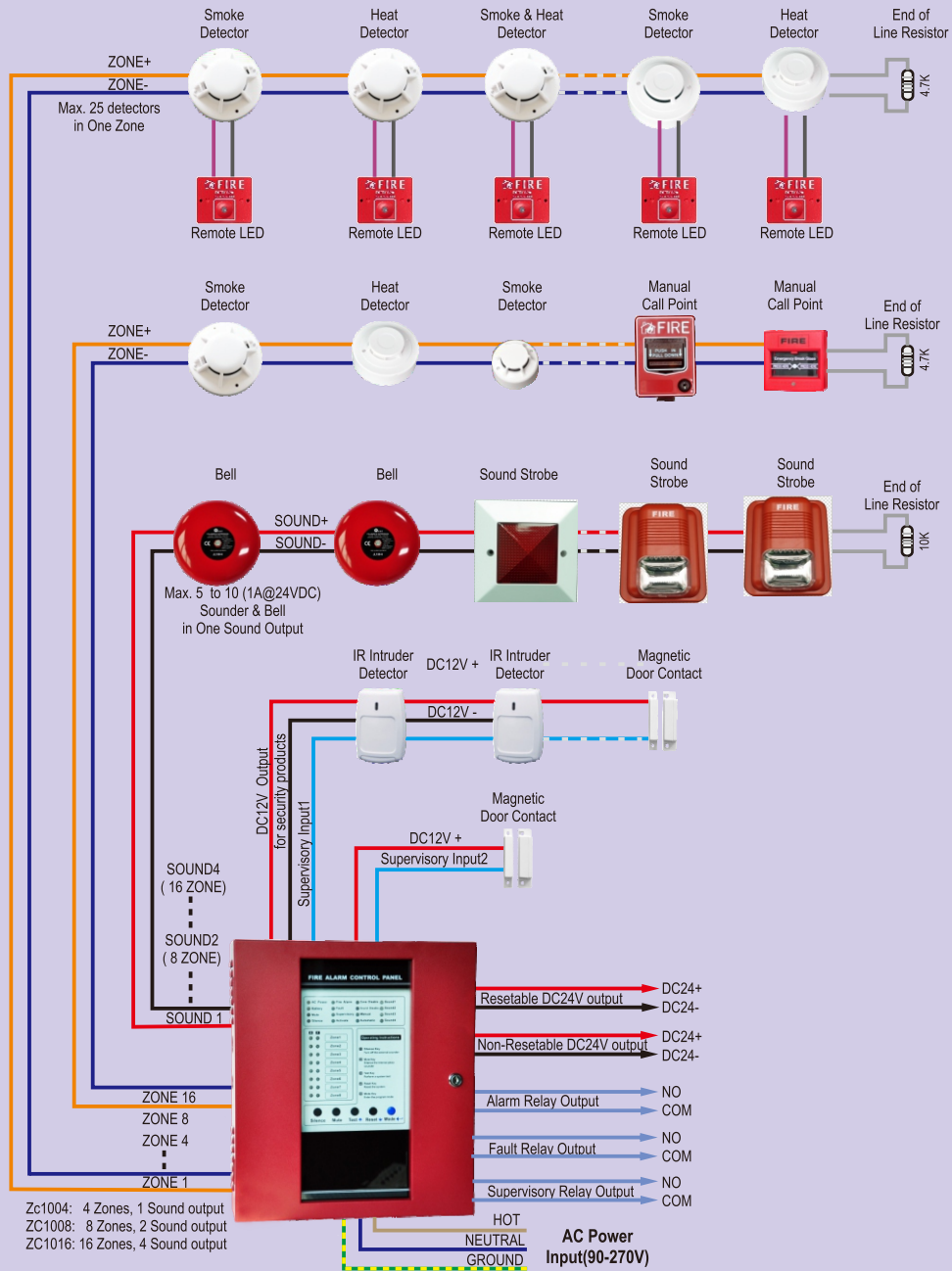
- Compatible with all the conventional fire alarm control panel
- Red Color
- 8mm Big Size LED
- Outside two holes provide 83mm(USA)
- Inner two holes provide 59mm(Europe)
- Wiring Terminals provided on the PCB board

Smoke Testing Pole
Model: JY117

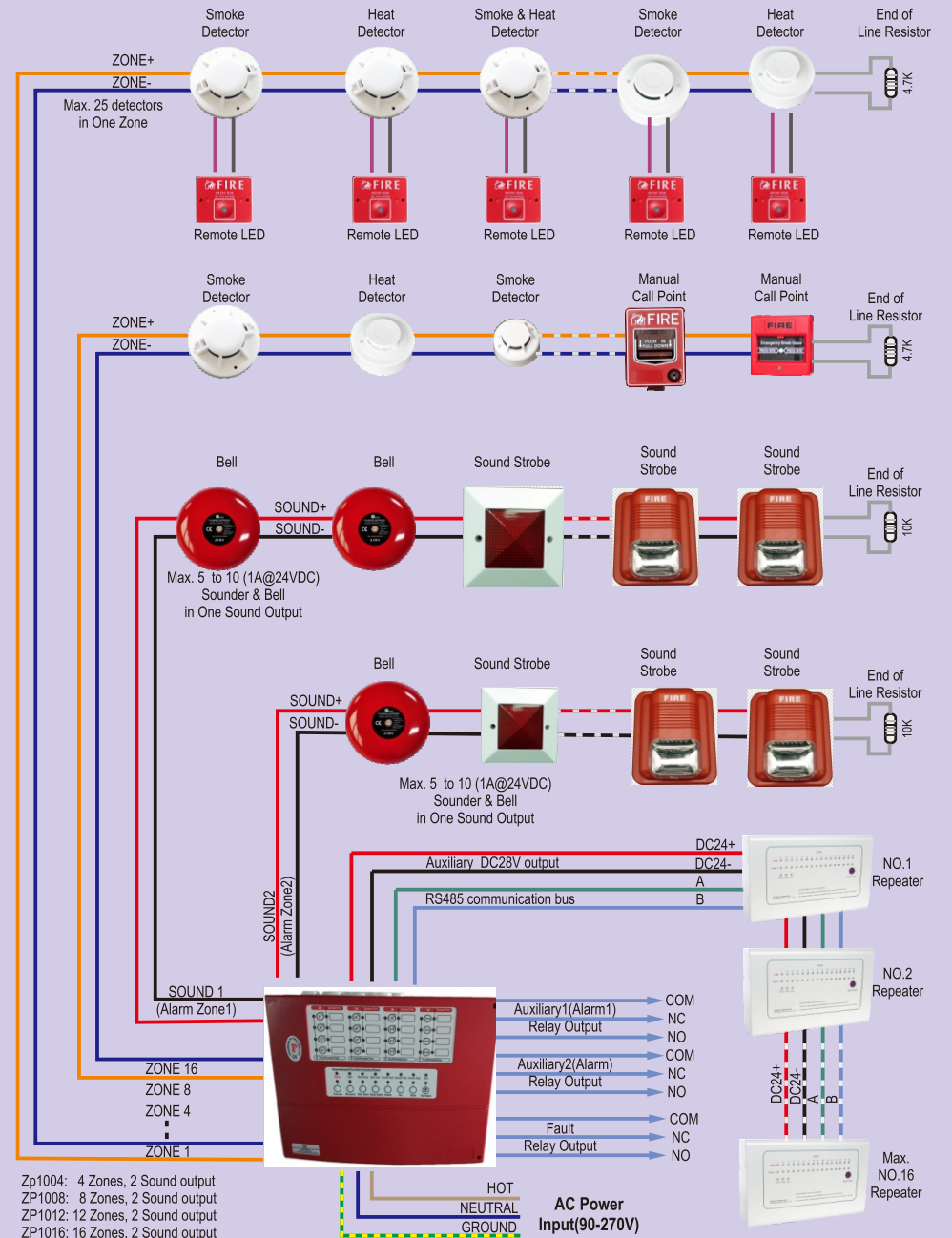


- Smoke detector testing instrument
- Max. Pole length is 5m
- Easy to use, all the parts in one case

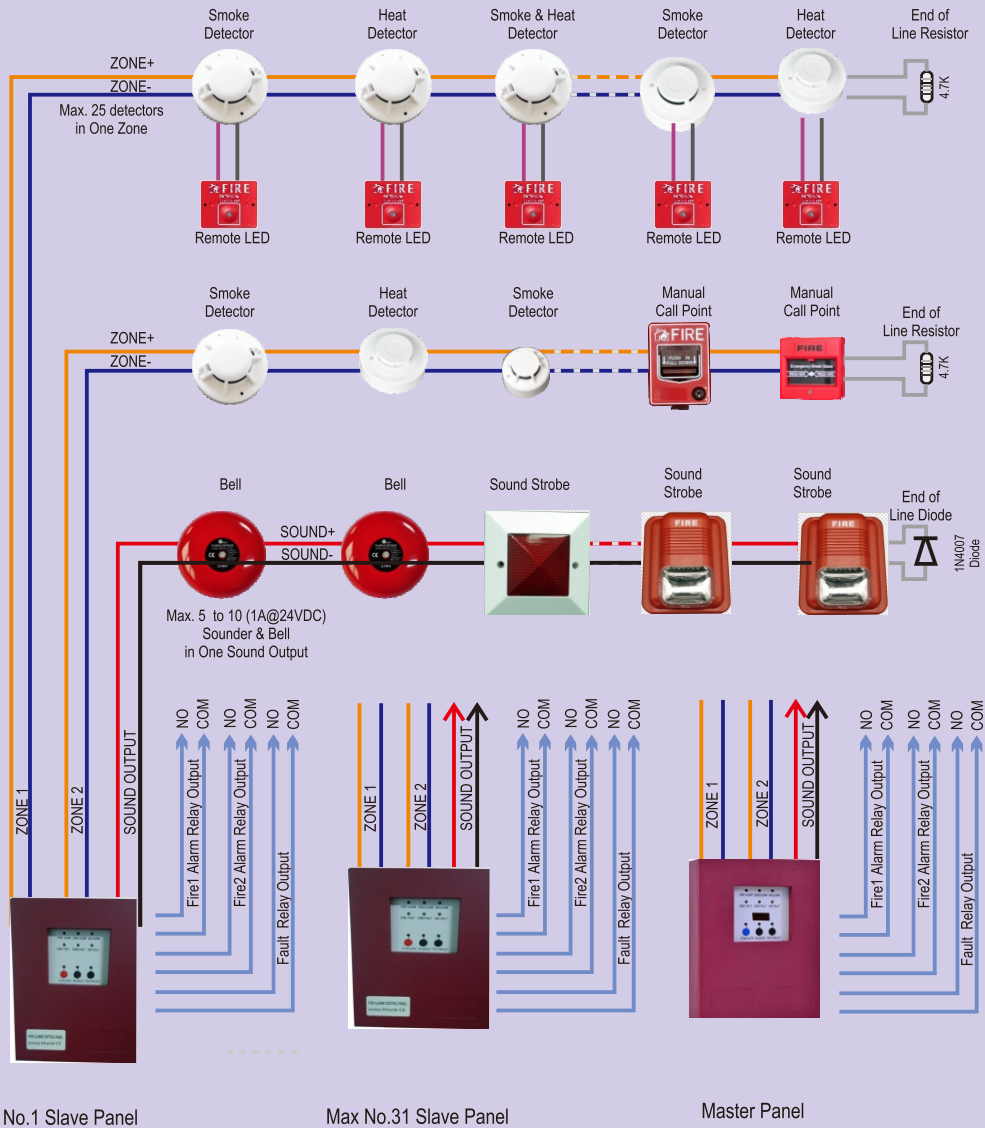
CONVENTIONAL FIRE ALARM SYSTEM ARCHITECTURE



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