CONVENTIONAL FIRE ALARM SYSTEM

ZUDSEC®
INNOVATIVE SECURITY SOLUTION

EXPERT IN FIRE ALARM & SAFETY TECHNOLOGY

CONVENTIONAL FIRE ALARM CONTROL PANELS

The ZD1000 Series Conventional Fire Alarm Control Panel is a 24 volt, four to 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 ZD1000 Series can be used in a variety of low- to mid-sized applications.

4 Zone Fire Alarm Control Panel

8 Zone Fire Alarm Control Panel

16 Zone Fire Alarm Control Panel

FEATURES

- Four, Eight, Sixteen Zone Style B (Class B) Initiating Device Circuits (IDCs), All zones accept two-wire smoke detectors and any normally-open contact devices.
- Two Supervisory Input with DC12V output, ideal to connect security alarm devices.
- Three General Alarm, Trouble and Supervisory, Form A Relay Output.
- One, Two, Four Built-in Sound Output, Style Y (Class B) Notification Appliance (Signal) Circuits (NACs), NACs may be programmed: Silenceable or Non-Silenceable.
- 3.0 amps of total system power. Resettable DC24V & Non-resettable DC24V Output. Zone
- Input Short Circuit can be set to "Alarm" or " Fault" mode.
- RS485 Communication Port (optional). Automatic/Manual
- mode can be programmed. Disable/Enable control per Zone
- (IDC) can be programmed. Disable/Enable Sound
- Output(NACs)   can be programmed.

SPECIFICATIONS

- AC POWER: 220VAC, 50 Hz.
- BATTERY: Sealed lead-acid batteries only. Maximum charging circuit: 27.6VDC @ 0.8 amp for normal flat charge. Maximum battery charger capacity: 18AH battery.
  NOTE: Two 10AH batteries can be housed in the cabinet. Larger batteries require a separate battery box.
- Total DC24V system power: 3.0 amps.
- Maximum current per NAC: 1.25 amps.
- Maximum battery charging capability: 18 AH.
- Resettable four-wire smoke detector power output.
- Non-resettable power output.
- Integral Form-A Alarm, Trouble and Supervisory relays, rated at: 2.0 amps @ 30 VDC (resistive), 2.0 amps @ 30 VAC (resistive).

CABINET AND MOUNTING

- Cabinet physical dimensions: 40.0 cm high x 35.0 cm wide x 11.5 cm deep.
- Carton package dimensions:: 48.0 cm high x 42.0 cm wide x 18.5 cm deep.
- Cabinet net weight: 6.0 Kg. (without batteries).
- Cabinet gross weight: 6.6 Kg. (without batteries).
- Mounting: The cabinet mounts using two key slots at the top of the back and two additional 6.5mm diameter holes at the bottom.

Order Part Number	Number of Detection Zones	Number of Sound Output
ZD1000-4	4	1
ZD1000-8	8	2
ZD1000-16	16	4

CONVENTIONAL FIRE ALARM DEVICES

Smoke Detector

Model:	ZDD-314S-2
System Voltage:	24VDC
Standby Current:	200μA max.
Alarm Current :	50mA max.

Manual Call Point

Model:	ZDF-101
System Voltage:	24VDC
Standby Current:	50μA max.
Alarm Current:	30mA max.

Heat Detector

Model:	ZDD-314H-2
System Voltage:	24VDC
Standby Current:	200μA max.
Alarm Current :	50mA max.

Sounder Strobe

Model:	ZDSH-105F
System Voltage:	24VDC
Sound Output:	93dB(A)
Alarm Current:	30mA max.

Smoke & Heat Detector

Model:	ZDD-314SH-2
System Voltage:	24VDC
Standby Current:	200μA max.
Alarm Current :	50mA max.

Strobe

Model:	ZDSH-106F
System Voltage:	24VDC
Flash Frequency:	60-100/min
Alarm Current:	20mA max.

4-Wire Smoke Detector(Relay Output)

Model:	ZDD-314S-4
System Voltage:	24VDC
Standby Current:	200μA max.
Alarm Current :	50mA max.
Relay Contact :	2A@24V

Bell

Model:	ZDF-102
System Voltage:	24VDC
Sound Output:	95dB(A)
Alarm Current:	70mA max.
Diameter:	150mm

CONVENTIONAL FIRE ALARM SYSTEM ARCHITECTURE

Air-Sampling Detector

Flame Detector   Beam Detector

End of Line | Manual Call Point | Control Unit | Smoke Detector | Smoke Detector | Control Unit | Control Unit | End of Line

DC24V   DC24V

End of Line | Manual Call Point | Smoke & Heat Detector | Smoke Detector | Smoke Detector | Heat Detector | Manual Call Point | End of Line

Max 25 devices/Each Zone

DC24V

Zone1 Zone2 Zone15 Zone16

Security Alarm System or Devices

DC12V output
Supervisory Input1
Supervisory Input2
RS485 Port (optional)

Resetable DC24V output
Non-Resetable DC24V output
Alarm Relay Output Fault
Relay Output Supervisory
Relay Output

Sound Output1   Sound Output4

Bell   Bell

Strobe   Strobe

End of Line | Sounder Strobe | Sounder Strobe | End of Line