

FIRE ALARM & SECURITY**CK1000 Series Conventional
Fire Alarm Control Panel****GENERAL**

The CK1000 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 CK1000 Series can be used in a variety of low- to mid-sized applications.

FEATURES

- I 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.
- I All circuits are power-limited and supervised, meeting the latest ULC requirements using fuseless technology.
- I Two built-in, Style Y (Class B) Notification Appliance (Signal) Circuits (NACs).
- I NACs may be programmed:
 - Silenceable.
 - Non-Silenceable.
 - Auto-Silence (program 5 to 20 minutes).
- I 1.25 amps of NAC power.
- I 3.0 amps of total system power.
- I Alarm, Trouble and Supervisory, relay output.
- I 24-volt operation.
- I Resettable four-wire smoke detector power @ 500 mA.
- I Non-resettable power @ 500 mA.
- I 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).
- I Disable/Enable control per IDC.
- I Reverse polarity protection.
- I Control buttons:
 - Mode
 - Test
 - ACK (Acknowledge) Alarm Silence
 - Reset
- I LED indicators:
 - AC Power(green & yellow LED)
 - Fire Alarm(red LED)
 - Trouble(yellow LED)
 - Supervisory(yellow LED)
 - Signal Silence(yellow LED)
 - Battery Power(green & yellow LED)
 - Zone Disable(yellow LED)
 - NAC Fault(yellow LED)
 - NAC Disable(yellow LED)
 - Zone Alarm(one for each zone) (red LED)
 - Zone Trouble(one for each zone) (yellow LED)
 - Earth Fault (on circuit board)
 - Battery Fault (on circuit board)
 - Charger Fault (on circuit board)

**SPECIFICATIONS**

- I AC POWER
 - 90~270 VAC, 50 Hz, 2.0 amps.
 - Wire size: minimum 14 AWG (2.0 mm²) with 600-volt insulation.
 - I 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 4AH batteries can be housed in the cabinet. Larger batteries require a separate battery box.
- I Total 24 V system power: 3.0 amps.
 - I Notification appliance (signal) power: 2.5 amps.
 - I Maximum current per NAC: 1.25 amps (expandable to 2.5 amps).
 - I Maximum battery charging capability: 18 AH.

Auxiliary Outputs

- I Resettable four-wire smoke detector power @ 500 mA.
 - I Non-resettable power @ 500 mA.
- NOTE:** Total current for auxiliary power outputs and two NACs must not exceed 3.0 amps. .
- I Integral Form-C 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.