



November 5, 1999

B-310

# SGL-2000 Fire Alarm Control Panel

Section: Conventional Fire Alarm Control Panels

## GENERAL

The NOTIFIER SGL-2000 is a cost-effective two-zone fire alarm control panel. It is designed in accordance with National Fire Protection Association (NFPA) Standards for Protective Signaling Systems: 72 (Local), 72 (Remote Station). The compact SGL-2000 control panel was tested as a fire protective signaling system control unit under Underwriters Laboratories Inc., Standard for Safety UL 864.



S635



CS68

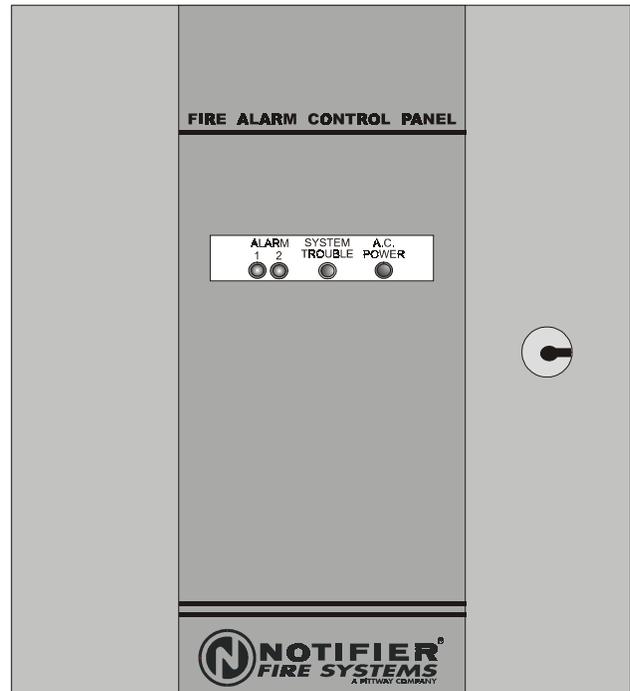


California  
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## FEATURES

- Discrete component solid state design.
- Two-zone non-expandable construction.
- Class B (Style B) initiating circuits.
- Built-in surge suppression.
- Built-in brown-out circuitry.
- Single audible Style Y (Class B) circuit rated at 0.75 A.
- Low current drain of panel minimizes battery Amp/Hour requirements.
- Supervision of battery.
- Float charger network.
- Two-wire smoke detector compatible.
- DC power tap rated at 100 milliamps.
- Dead-front construction.
- Trouble silence with resound.
- Ground fault circuit.
- Disable switch.
- Power-limited for use with limited-energy cable.
- **In-panel signaling provides:**
  - Short pulse = Trouble.
  - Long pulse = Resound.
  - Steady signal = Alarm.
- **Trouble circuit monitors the following fault conditions:**
  - Open detector loop(s).
  - Low battery voltage.
  - Missing or disconnected battery.
  - Ground fault.
  - Low AC voltage (brown out).
  - Loss of AC power.
  - "Off Normal" switch position.
  - Open or shorted signaling (bell) circuit.
- **Control switches:**
  - "Reset" for control and detectors.
  - "Trouble Silence" with resound.
  - "Disable" switch.
- **LED indicating lamps:**
  - "Alarm 1" and "Alarm 2".
  - "System Trouble".
  - "A.C. Power".



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- **Detection loop:**
  - Compatible with many types of two-wire detectors.
  - Power-limited for limited-energy cable.
  - Supervised Style B (Class B) operation.
- Supervised Class B (Style Y) audible/visual signaling circuit.
- Compact solid state design.
- Automatic float charger.
- Piezoelectric transducer for audible trouble signal.
- Panel will accept one of the following optional modules:
  - Supplementary alarm contacts, two Form-C.
  - Supplementary alarm and trouble contacts, Form-C alarm, Form-C trouble (one each).
  - Remote station output, alarm only.
  - Remote station output, alarm and trouble.

This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice. For more information, contact NOTIFIER. Phone: (203) 484-7161 FAX: (203) 484-7118



**NOTIFIER**

One Fire-Lite Place, Northford, Connecticut 06472

**ISO-9001**

Engineering and Manufacturing  
Quality System Certified to  
International Standard ISO-9001



Made in the U.S.A.

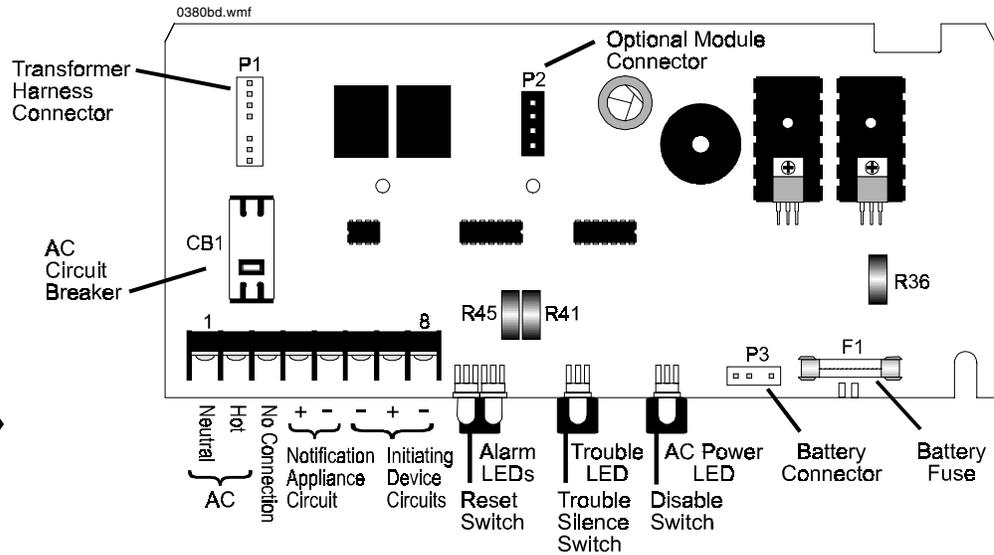
## APPLICATIONS

The SGL-2000 fire alarm control panel is intended for use in small or medium sized commercial, industrial, and institutional buildings.

## OPERATION

Activation of a compatible two-wire detector or any normally open fire alarm initiating device will sound audible signaling devices, illuminate an indicating LED at the control panel, and operate an optional module. The optional modules can be used to notify a remote station, or initiate a supplementary control function.

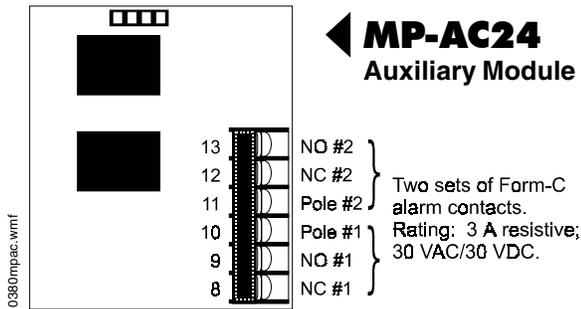
## MAJOR COMPONENT & TERMINAL LOCATIONS



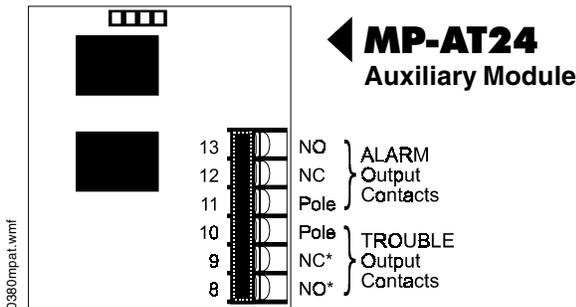
## WARNING!

Always use two-wire detectors which have been listed by Underwriters Laboratories Inc. for use with this control panel. For a list of compatible UL-listed smoke detectors, please refer to the Installation Manual for this control panel.

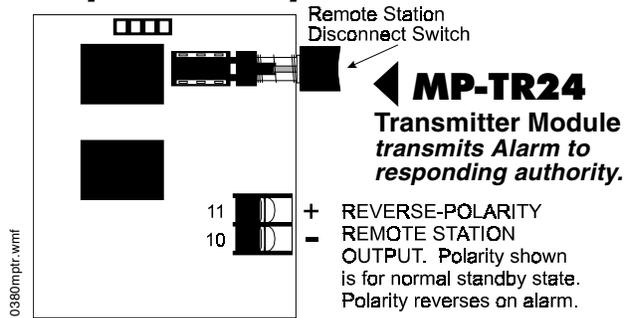
## OPTIONAL MODULES — Choose only ONE per control panel.



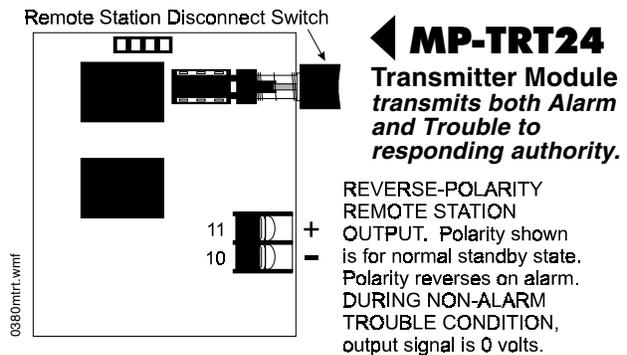
**MP-AC24 Notes:** 1) For wiring, refer to UL power-limited requirements. 2) Both sets of contacts must be connected to either a non-power-limited or a power-limited circuit. DO NOT mix sets of contacts. 3) Refer to the Protected Premises Unit label (located on the system door) and mark the dry contacts used as non-power-limited circuits.



**MP-AT24 Notes:** \*1) \*Indicates non-trouble state. 2) All contacts rated 3 A, 120 VAC/30 VDC. 3) For wiring, refer to UL power-limited requirements. 4) Both sets of contacts must be connected to either a non-power-limited or a power-limited circuit. DO NOT mix sets of contacts. 5) Refer to the Protected Premises Unit label (located on the system door) and mark the dry contacts used as non-power-limited circuits.



**MP-TR24 Notes:** Connect to compatible UL listed polarity-sensitive remote station receiver. Output signal 18 to 28 VDC. 1) For wiring, refer to UL power-limited requirements. 2) This circuit is suitable to leave the building. 3) This output is power-limited.



**MP-TRT24 Notes:** Connect to compatible UL listed polarity-sensitive remote station receiver. Output signal 18 to 28 VDC. 1) For wiring, refer to UL power-limited requirements. 2) The MP-TRT24 module DOES NOT comply with the requirement for separate trouble/alarm signal transmission. 3) This circuit is suitable to leave the building. 4) This output is power-limited.