

City of Chicago, Class 1 Conventional Approved



Model 5208 Fire Alarm Control Panel with Digital Communicator

The Fire Alarm Control Designed to
Grow with Your Systems Needs,
Without The Growing Pains.

The SK-5208 is a microprocessor based control panel with built-in UL listed communicator designed for applications requiring smoke detection, manual pull stations, and sprinkler supervision. It features an easy to read LCD display with programmable English readout and user friendly tactile keys. The basic unit offers 10 zones of initiation and is expandable up to 30 zones for larger applications. The SK-5208 has a complete line of supervised accessories that provide remote annunciation, auxiliary control zone expansion. Ideal for new and retrofit applications, the SK-5208 delivers the performance to handle your installation.

Features

- 10 zones, 8 Class B (Style B) and 2 Class A (Style D) or Class B (Style B) zones, expandable to 30 zones
- Supervised zone expander's and I/O modules can be mounted remotely from the main control panel
- Event History Buffer (150 events) with date/time stamp
- All zones are compatible with 2- or 4-wire detectors
- 8 selectable/programmable output patterns for notification appliance circuits
- Built-in Digital Alarm Communicator Transmitter (DACT)
- 4 Notification Appliance Circuits
- 4 programmable general purpose relays
- Programmable smoke verification, pre-alarm delay, cross zoning and enhanced verification mode features that can help minimize false alarms
- Programmable from the built-in control panel touchpad, remote annunciator, or Windows® SKSS downloading software
- Direct connect port for on-site up/downloading with Windows® SKSS downloading software
- Built-in walk test feature
- Single or dual interlock water releasing capability
- Plex door option combines a dead front cabinet door with a clear window, limiting access to the panel while providing single button operation of the reset and silence functions
- Programmable AC trouble relay
- Built-in synchronization for

- appliances from AMSECO®, Gentex®, Faraday, System Sensor®, and Wheelock®
- Programmable date settings for Daylight Saving Time
- Clock source setting options for 50 Hz, 60 Hz, or internal (uses the panel's internal clock)

Specifications

Operating Voltage:	24 VDC
Primary AC:	120 Vrms @ 60Hz, 2A
Total DC Load:	6 Amp
Current Draw:	
Standby:	140 mA
Alarm:	460 mA
Flush Mounting Dimensions:	
Height:	24.75" (62.9 cm)
Width:	14.5" (36.8 cm)
Depth:	3-7/16" (8.73 cm) with 5/8" protruding
Overall Dimensions:	
Height:	26-3/8" (67 cm)
Width:	17-3/16" (43.66 cm)
Total Depth:	4" (10.16 cm)
Operating Temp:	32° to 120° F (0° to 49° C)
Humidity:	10 - 93% noncondensing

Optional Accessories

- SK-5235 LCD Remote Annunciator
- SK-5217 10 Zone Expander (2 max. per system)
- SK-5280 Status Display Module (8 max. per system)
- 5220 Direct Connect Module
- 5824 Serial/Parallel Printer Interface Module
- SKSS Downloading Software
- Plex-2 Door Option



SK-5208

Listings and Approvals

- UL Listed
- CSFM Listed
- MEA approval 429-92-E Vol. XIII
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Engineering Specification

The system shall contain a fire alarm control panel to supervise and operate heat and smoke detection devices, manual fire alarm devices, alarm notification devices and visual annunciator's. The system shall also be capable of monitoring for sprinkler supervisory and water flow conditions. The system must have a built in UL listed fire communicator that can be enabled/disabled as needed on a per job basis. In addition, the system will sound alarms locally for purpose of evacuation.

Chicago Building Code Requirements

The models CTD2G, CITY, and FIRE are designed to comply with conventional and addressable Class I type building requirements of the City of Chicago, Illinois. They provide the ability to perform silencing of the system trouble bell and the city tie disconnect bell along. They also allow disconnecting of the municipal tie fire alarm box. For City of Chicago fire alarm projects, a fire alarm plan review and permit are required.

Ordering Information

CTD2G

City Disconnect Switch used to disconnect the fire alarm panel from reporting any alarm or trouble condition to the city in order to test and maintain the fire alarm system. When the keyswitch is turned to the Disconnect position a white pilot light illuminates to inform the user that the panel has been disconnected.

FIRE

Fire Alarm Trouble Bell module used to silence and test the fire alarm trouble bell. When the fire alarm system is in trouble the bell will ring. Moving the toggle switch to Bell Silence will silence the bell and activate the Bell Silenced LED.

When the trouble clears the Bell Silenced LED will turn off and a ring back will sound until the toggle switch is returned to the Bell Normal position. When the panel is normal, moving the toggle switch to the Bell Silence position will ring the bell. Pressing the Bell Test button will ring the bell.

CITY

City Tie Trouble module used to silence and test city tie disconnect troubles. When the CTD2G keyswitch is in the Disconnected position, the City Tie Trouble bell will ring. Moving the toggle switch to Bell Silence will silence the bell and activate the Bell Silenced LED. When the trouble clears the Bell Silenced LED will turn off and a ring back will sound until toggle switch is returned to the Bell Normal position. When the CTD2G keyswitch is in the Normal position and the toggle switch on the CITY module is in the Bell Silence position, the City Tie Trouble bell will ring. Pressing the Bell Test button will ring the bell.

These module's can each be mounted to a two-gang deep bell box or a two-gang deep wiremold box and operates on 24VDC.

The module's can be flush mounted with a two-gang plaster ring on a deep 4" square 1900 box.

For the above modules, please contact the following vendor:
Gemcom, Inc., 8828 S. Archer Ave.
Chicago, IL 60480 800-871-6840 www.gemcom.com



City Disconnect Switch



Fire Alarm Trouble



City Tie Trouble

Additional Equipment Required

The equipment listed below is required to comply with Class I type requirements:

- **Silent Knight Plex-2 Dead Front Cabinet Door.**
- **An incandescent backlit annunciator.** Contact the vendor listed below for the custom model XL8 Tabular Annunciator with the Silent Knight 5280 Status Display Module built in.

Space Age Electronics, Inc. 406 Lincoln Street
Marlboro, MA 01752 (800) 486-1723

- Use Silent Knight 5495 Distributed Power Module to supply power to the annunciator.



XL8 Tabular Annunciator from Space Age Electronics