

**GENERAL**

The Chicago Building Code Class I/Class II Master Control (CBC-CLASS 1/2) is designed to comply with the conventional and addressable Class I and Class II type building requirements of the City of Chicago, Illinois. It connects the fire alarm control panel with two AC sources, ensuring backup if one source fails. It also provides the ability to perform the following functions from a remote location:

- Silencing the system trouble bell and the city tie disconnect bell.
- Disconnecting the municipal tie fire alarm box.

The CBC-Master Control consists of four modules. It can be ordered with all the modules ready-mounted in a metal cabinet. The System Trouble and/or City Tie Disconnect Bell Supervision Modules can also be ordered separately for more remote mounting.

The CBC-Master Control can be used in conjunction with the following NOTIFIER fire panels:

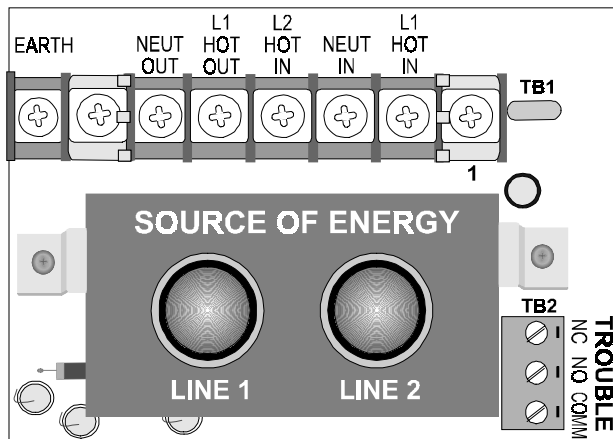
- **System 5000** Fire Alarm Control Panel.
- **AFP-200** Analog Fire Alarm Control Panel (Class I only).
- **AFP-400** Analog Fire Alarm Control Panel.
- **AFP1010** Analog Fire Alarm Control Panel.
- **AFP2020** Analog Fire Alarm Control Panel.

**FEATURES**

- Attractive surface- or semiflush-mount backbox.
- Meets Chicago Class I/II requirements.
- Optional remote bell disconnect module.

**MODULES**

**CBC-SEM Chicago Building Code/Source-of-Energy Module** — This module connects the fire alarm control panel to two separate AC sources. AC Source One provides the power to the fire alarm control panel. Should



AC Source One fail, the connections are automatically transferred by a supervisory relay to the other source. Failure of either source will also activate the Trouble bell.

The Source-of-Energy Module has two green lamps corresponding to the two AC sources. When AC Source One is present, the light labeled LINE 1 will be lit. LINE 2 will light when AC Source Two is present.

**CBC-BSM Chicago Building Code/Bell Supervision Module** — There are two CBC-BSM modules for the CBC-CLASS 1/2. One module provides the *connection for the remote System Trouble Bell*. This module may be mounted in the master control cabinet, or it may be mounted in a remote location. It provides the capability to test the bell, and to silence the bell after a trouble condition occurs. A red incandescent lamp lights when the bell is silenced. The bell will also sound if the Trouble disconnect switch is left in the Silence position and there are no troubles present.

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**<sup>®</sup> 12 Clintonville Road, Northford, Connecticut 06472

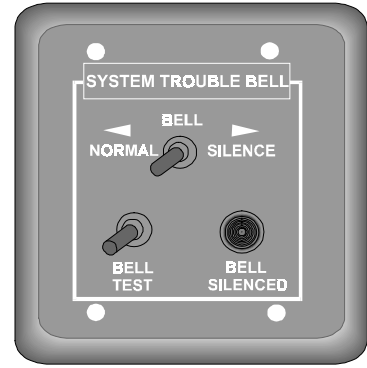
**ISO-9001**  
Engineering and Manufacturing  
Quality System Certified to  
International Standard ISO-9001



When the System Trouble Bell Supervision Module is ordered as a **remote module**, it comes with a faceplate separate from the cabinet (*assembly pictured at right*), suitable for mounting to a 4" (101.6 mm) square double-gang box.

The second module provides the **connection between the City Tie Disconnect Bell and the City Tie Disconnect Module**. It provides the capability to test the bell and silence the bell after the City Tie Disconnect has been invoked. A red incandescent lamp lights when the bell is silenced. The bell will also sound if the Trouble disconnect switch is left in the Silence position and the City Tie switch is in the Normal position.

**Chicago Building Code/City Tie Disconnect Module** — This module provides the ability to disconnect the City Tie Box from a location other than the fire alarm control panel. It consists of a disconnect switch operated by a two-pole caption key-operated switch, and a white incandescent lamp that indicates when the city tie has been disconnected. Once the switch has been activated by turning the key, the key cannot be removed from the lock until the city tie disconnect switch is again placed in the connect position. A Trouble condition at the panel may be obtained by cutting the option resistor R1.



## OPERATION

### System Trouble Bell Supervision Module (CBC-BSM), at left below.

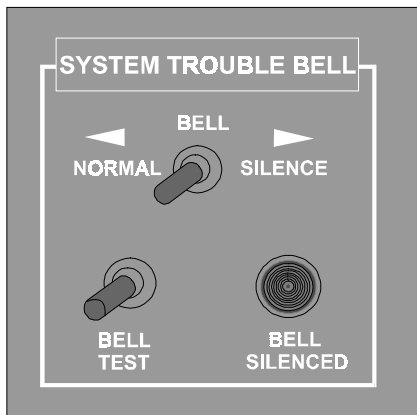
1. Press the BELL TEST switch to test the System Trouble bell.
2. The BELL NORMAL, SILENCE switch should remain in the NORMAL position until the Trouble bell sounds.
3. Place the switch in the SILENCE position to silence the trouble bell. The red light labeled BELL SILENCED will illuminate. The red light will remain on until the BELL SILENCE switch is returned to the NORMAL position.

### City Tie Disconnect Bell Supervision Module (CBC-BSM), at center below.

1. Press the BELL TEST switch to test the City Tie Disconnect Bell.
2. The BELL NORMAL, SILENCE switch should remain in the NORMAL position until the City Tie Disconnect Bell sounds.
3. Place the switch in the SILENCE position to silence the City Tie Disconnect Bell. The red light labeled BELL SILENCED will illuminate. The red light will remain on until the system BELL SILENCE switch is returned to the NORMAL position.

### City Tie Disconnect, at right below.

Insert the key and turn clockwise to disconnect the Municipal Fire Alarm Box. The white pilot light will illuminate. Once the key has been inserted, it cannot be removed until returned to its normal position. Activating the switch will not set the fire alarm control panel to System Trouble unless the R1 resistor on the Chicago Building Code/City Tie Disconnect Module has been cut.



## ORDERING INFORMATION

**CBC-CLASS 1/2** City of Chicago Master Control. Includes cabinet, keys, Source-of-Energy Module, City Tie Disconnect Module, and two Bell Supervision Modules. Also includes manual and CBC-ShipKit.

**CBC-BSM** One Remote Bell Supervision Module. Includes mounting plate, test switches, System Trouble Bell overlay, City Tie Disconnect Bell overlay, and mounting screws.

## ADDITIONAL EQUIPMENT REQUIRED

The following equipment is required for use with the CBC-CLASS 1/2 to comply with Class I and Class II type requirements:

- An **FCPS-24 Field Charging Power Supply or APS-6R Auxiliary Power Supply** (order from NOTIFIER; see separate data sheets for more information).
- An **incandescent lamp graphic annunciator**. Contact the vendor listed below to purchase a 32-point graphic annunciator (model **KG0662**), or to custom order any other size.

Space Age Electronics, Inc.  
406 Lincoln Street  
Marlboro, MA 01752  
Phone: 1-800-486-1723