SIEMENS

Fire Safety

Operating Instructions
Model CP-35 Control Panel

OPERATION

In normal standby operation, all switches should be in normal position. The system power lamp should be on and the system alarm, system trouble lamps, zone alarm, zone trouble, audible signal circuit trouble LED indicators, and all other indicators should be off.

When System Alarm Sounds

1. If system is used for fire detection, follow the response plan approved by the authority having jurisdiction. Check that every one is accounted for. Then, notify the Fire Department. (If the system is connected to the Fire Department or a Central Station, this is done automatically by the control equipment.) Keep in mind that the Fire Department or Central Station should be notified when resetting the system.

2. Audible device circuits associated with the silenceable alarm output may be silenced by momentary operation of the ALARM SILENCE switch. Subsequent alarm conditions from another zone will cause the above audibles to sound again. DO NOT RESET THE SYSTEM. The zone LEDs will indicate the zone in which the alarming device is located. Locate the device initiating the alarm. This device will have its base lamp* on.

3. When the cause of the alarm has been located and corrected, reset the system by moving the RESET/LAMP TEST switch to RESET position for a minimum of 5 seconds. Reset all other switches that have been operated. Notify the Fire Department (or Central Station) that the system is being reset.

When a Trouble Condition Develops

1. The system trouble lamp and horn are activated. Call your authorized Siemens Building Technologies, Inc. Service Representative. The trouble should be diagnosed and repaired immediately.

2. The trouble buzzer may be silenced by moving the TROUBLE SILENCE switch to the SILENCE position. The trouble lamp will remain illuminated.

MAINTENANCE

To insure proper and reliable operation, the following inspection and testing schedule is recommended:

Every Six Months

1. Inspect all ionization detector heads for dust accumulations, and when excessive, contact your authorized Siemens Building Technologies, Inc. Service Representative or factory for service.

2. Activate a detector or alarm initiating device. Check that the base lamp lights* and that proper alarm and zone indications are given by the control panel. An ionization or photoelectric detector may be activated by blowing smoke into it. A thermal detector may be activated by an electric “heat gun.” A flame detector may be activated by holding a lighted match slightly below it.

> **IMPORTANT:** If the system is connected to the Fire Department, or actuates an external system (fire extinguishing, etc.), move disconnect switches* to OFF position to prevent actuation. Be sure to reconnect at completion of inspection. Notify facility personnel that a system test is being performed so that any alarm soundings can be ignored during the test period.

3. Check operation of each detector/alarm initiating device on all circuits. Measure the sensitivity of each ionization detector with a sensitivity checker (when applicable).

4. Check the supervisory circuits by operating the RESET/ LAMP TEST switch to the RESET position. In this position, all visual indicators on the control panel should be lit and the trouble horn should sound.

Periodically Testing the System

1. The system should be tested at regular intervals to insure its operational reliability and optimum performance. To test the system, activate a detector/alarm initiating device.

Check that all audible devices sound, that the system alarm lamp illuminates, and that the audible devices can be silenced.* Check that the proper zone lamp responds.

2. Reset the system. Check that the system trouble lamp LEDs and horn and all zone lamps* are actuated when the reset switch is moved momentarily to the RESET position.

3. Retum all switches to normal position.

4. If a disconnect switch is incorporated, and if the system is connected to a fire department, central station, or has external devices connected to it (fans, smoke door holders, fire extinguishing systems, etc.) which are operated by the alarm controlled contacts, this equipment may be isolated from the alarm circuit during a test by moving the respective disconnect switch(es) to the DISCONNECT position. Operation of this switch prior to tests lights the trouble lamp so that the switch will not be left in the DISCONNECT position inadvertently.

*When this feature is incorporated in the system.

Your local Siemens Building Technologies, Inc. Authorized Service Representative is:

Name _____

Tel. No. _____

These instructions should be framed and located adjacent to the control unit for ready reference.

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