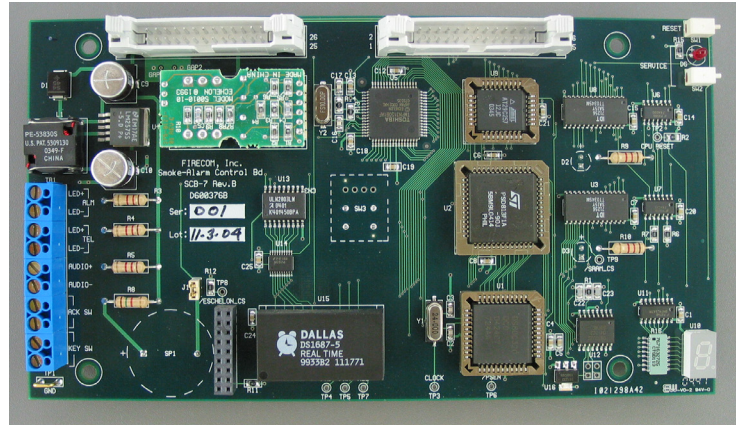


## Features

- ▶ Distributed Intelligent Network Module
- ▶ Microprocessor Controlled
- ▶ UUKL Listed
- ▶ Smoke Zone I/O Control
- ▶ 8 Smoke Control Groups
- ▶ Up to 99 Smoke Zones per Control Group
- ▶ Real Time Clock for Smoke Zone Testing
- ▶ Echelon® LonTalk® Communications
- ▶ Low Power Consumption
- ▶ 1/2 Module Footprint



## Description

The SCB-7 Smoke Control Board provides the Input-Output control tables for the Fire Smoke Control System (FSCS). Its main function is to monitor the system for alarms and to activate the appropriate fans and dampers within the FSCS. Each SCB-7 has the ability to control eight separate Smoke Control groups with the LSN-2000 system. Each Smoke Control group can contain up to 99 smoke zones. The SCB-7 is intelligent to prevent smoke zones from activating when another smoke zone in that same group is already activated. The SCB-7 Smoke Control Board also provides a Real Time Clock to allow users to program test timers for any smoke zone as required. When used in a graphical Fire Smoke Control System, the SCB-7 Smoke Control Board provides outputs for a Common Alarm LED, Common Trouble LED, Audio Sounder and inputs for Acknowledge and Enable switches.

## Application

The SCB-7 Smoke Control board provides the distributed I/O database for the FSCS. The Smoke Control Board is installed in the FSCS and provides the required smoke zone control of dampers and fans.

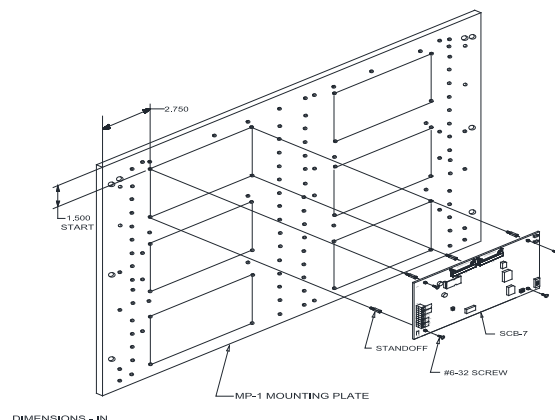
## Approvals and Listings

Underwriters Laboratories (File No. S2184)  
 NYC MEA (MEA No. 32-95-E)  
 California State Fire Marshal (7165-1496:0100)



## Installation

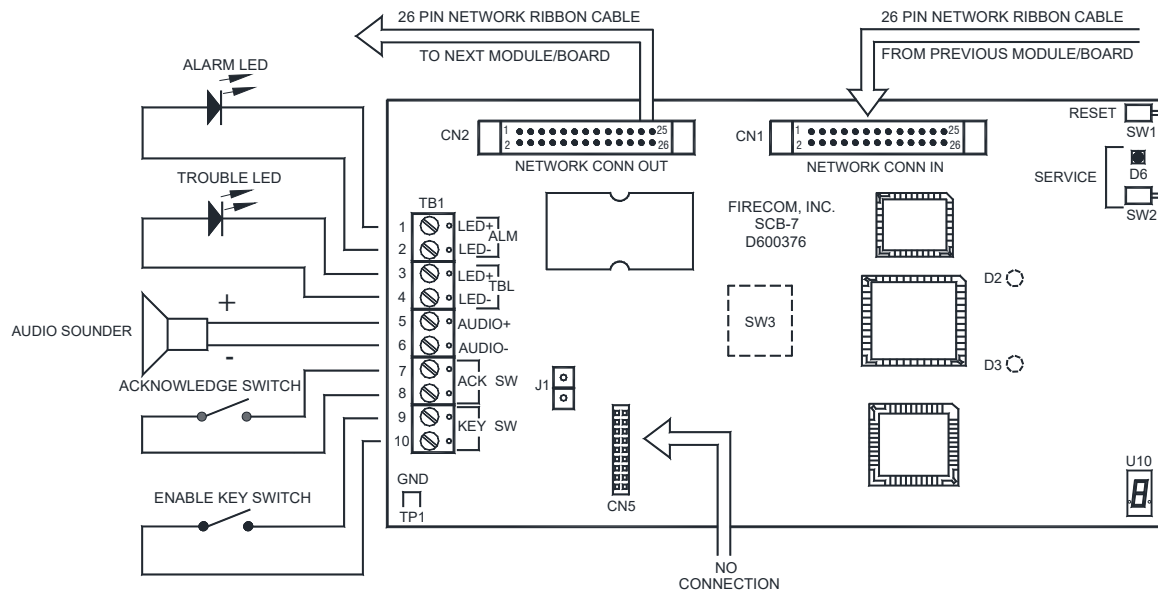
The SCB-7 Smoke Control Board mounts to the MP-1 Mounting Plate.



# Engineering Specifications

The SCB-7 Smoke Control Board shall monitor alarms and activate fans and dampers within a Fire Smoke Control System (FSCS). The SCB-7 shall have the ability to control eight separate groups with a maximum of 99 Smoke Zones. No more than one Smoke Zone will be allowed to become active within a group. The SCB-7 Smoke Control Board will also provide a Real Time Clock to allow periodic testing of Smoke Zones if required.

# Wiring Connection



# Electrical Specifications

Operating Voltage	24VDC
Operating Current	37mA (Supv), 75mA (Alm)
Operating Temperature	0°C to 49°C
Operating Relative Humidity Range	0% to 93% @ 32° C
External Alarm & Trouble LED	24VDC @ 20mA
External Piezo	24VDC @ 20mA

# Ordering Information

Model No.	Part No.	Description
SCB-7	71947	Smoke Control Board

It is our intention to keep the 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: FIRECOM, INC.