

### Features

- ▶ Intelligent Combination CO Detector & Sounder Base
- ▶ Integral Carbon Monoxide Detector
- ▶ Integral 85dB Sounder
- ▶ Six Year Field Replaceable Electrochemical CO Sensor
- ▶ End of Life Signaling System Indicator
- ▶ Temporal 3 Sound for Smoke Detection
- ▶ Temporal 4 Sound for CO Detection
- ▶ Mounts on 4" Square or Octagonal Box
- ▶ Low Power Consumption

### Description

The F900-MB-6CO Analog Addressable CO Sounder Base is a combination carbon monoxide (CO) detector and sounder base. It is designed to be used as a stand alone device or with the addition of Firecom F900 or F1000 Series analog addressable smoke, heat or multi-sensor detectors. The CO Sounder Base is also designed to allow the detector to fit one way only, without snagging, with a simple clock wise twist motion. For stand alone CO detection, two blank covers are available, the F900-MB-6COBC-LP for the low profile and the F900-MB-6COBC-HP for the high profile.

The CO Sounder base sounds a temporal 3 sound for smoke detection and a temporal 4 sound for carbon monoxide detection. The integral sounder is capable of producing an 85db tone at 10 feet. The CO Sounder Base is powered by a UL listed Notification Appliance Circuit, and may be synchronized with other CO Sounder Bases using appropriate synchronization modules.

Each base has locking feature whereby a socket screw on each detector may be turned to locate in a fixing hole in the base to prevent unauthorized removal.

The 6-inch diameter F900-MB-6CO Analog Addressable CO Sounder Base mounts to 4-inch octagonal and 4-inch square boxes. When mounting on a ceiling, install at least 4-inches from the wall. When mounting detector on the wall, install 4 to 12 inches from the ceiling.



*Analog Addressable CO Sounder Base  
F900-MB-6CO*

### Protocol

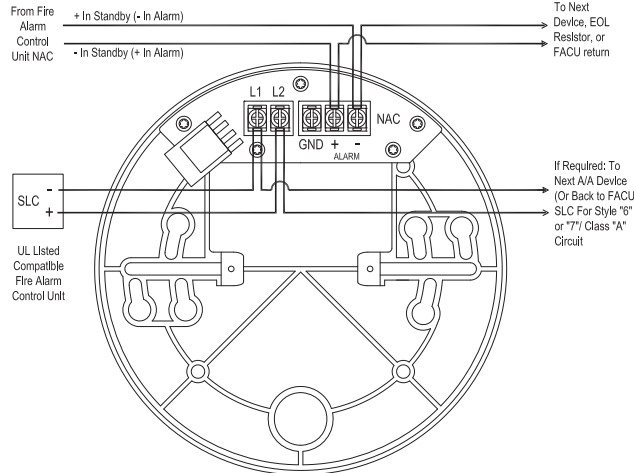
F900-MB-6CO Analog Addressable CO Sounder Base is designed to work in conjunction with fire alarm panels that support the Firecom approved analog addressable protocol.

### Approvals and Listings

Underwriters Laboratories



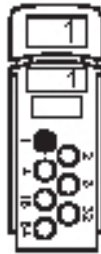
# Wiring Connection



## Address Setting

The smoke detection is addressed via the XPERT card. The XPERT card is a plastic, coded card containing seven 'pips'.

The address is set by simply removing the 'pips' with a screwdriver according to the ADDRESS DATA chart shown on the right. The coded card is then inserted into the side of the base where it locks into position. When the detector head is rotated into the base, the remaining 'pips' on the card operate the address buttons on the base of the detector and the address is read by the detector electronics. Factory set Addressable XPERT cards are available.



The CO detection has its own address setting, which is unique from the address of the attached smoke detector. Set the address for the CO detection to the CO ADDRESS DATA chart.

## Powering the Smoke and CO Detectors

The power for the smoke detector that is mounted onto the base and the integral Carbon Monoxide detector are supplied by the addressable loop.

## Powering the Sounder

A Notification Circuit that reverses voltage polarity powers the sounder that is included in the CO Sounder Base. The NAC circuit must be on an approved Firecom Fire Alarm Panel. The circuit may be wired as Style 4 or Style 6. Remote base outputs from the CO Sensor or the installed Smoke Detector determine the type of sound generated by the sounder. If the CO Sensor detects CO Levels that indicate an Alarm condition, the sounder base will generate a Temporal 4 sound (4 rapid beeps separated by about 5 seconds of silence). If the attached Smoke Detector indicates an alarm condition, the sounder base will generate a Temporal 3 sound (three beeps separated by about 1.5 seconds of silence).

## Electrical Specifications

Operating Voltage	24VDC
Loop Standby Current	400uA
Loop Alarm Current	3.5mA
NAC Standby Current	0mA
NAC Alarm Current	33mA
Sounder Audible Intensity	85dB at 10 feet

## Ordering Information

Model No.	Part No.	Description
F900-MB-6CO	76642	Analog Addressable CO Sounder Base
F900-MB-6COBC-LP	76746	Low Profile Base Cover
F900-MB-6COBC-HP	76745	High Profile Base Cover
F900-MB-6CORM	76744	CO Replacement Module

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.