Intelligent CO Detector and Sounder Base

The Intelligent CO Detector and Sounder Base (45681- 800ADV) is an analog/addressable combination carbon monoxide (CO) detector for use with Advanced fire alarm control panels. In addition to carbon monoxide monitoring, the CO detector and sounder base can accommodate any Advanced intelligent smoke, heat, or multi-sensor detector. For stand-alone CO detection, blank covers are available in a low profile (45681-292) and high-profile (45681-380) formats.

The built-in sounder of the Intelligent CO Detector and Sounder Base base can provide either a temporal 3 (fire alarm event) or temporal 4 (CO event) signal, with the fire alarm event having the highest priority. The sounder base requires a separate regulated 24 VDC supply whether from an Axis AX Notification Appliance Circuit (NAC) or a Listed, supervised, power supply. Also, common area sounder synchronization is possible with the MB-SDRT-SM, Synchronization Module.

The CO sensor is an electrochemical sensor that can detect three levels of carbon monoxide and has a life of approximately six years, in normal environmental conditions. The CO sensor is fully supervised and provides a signal for field replacement once it has reached its end of life cycle. The Intelligent CO Detector is individually addressed utilizing segments 1-7 of an integral DIP switch. Also, the optional intelligent smoke, heat, or multi-sensor detector is individually addressed through the base, by a patented address ("XPerT") card. The address is quickly and easily set by removing "pips" on the XPerT card according to a chart supplied with each base.

In addition to an automatic daily test of the Intelligent CO Detector by the fire alarm control panel, the CO Detector can be manually tested locally, via an onboard test button, by spraying CO test gas through its outer edge opening, or by manually initiating a test command from the fire alarm control panel. The Intelligent CO Detector and Sounder Base is designed as a 6" diameter base which can mount to a standard 4" octagonal or 4" square electrical box.
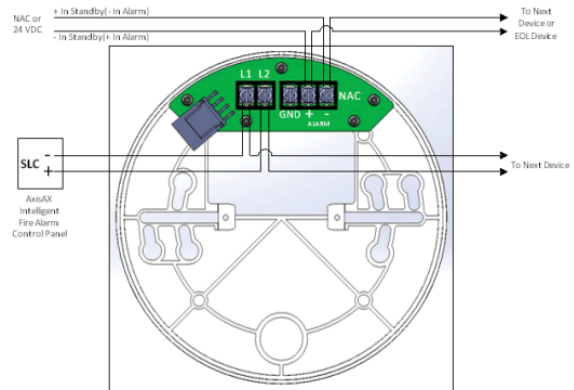

Features

- Sounder Base CO and Alarm Temporal Patterns
- Built-in Dedicated Microprocessor
- UL 2075 & 2034 CO Monitoring Levels
- Automatic & Manual CO Detector Testing
- Sub-Addressing of Sounder Base
- Integral Red Status LED

Listings and Approvals

- ETL ANSI/UL 864 Listed: 101564744NYM-001
- UL268, 217, 2034, 2075: S2829

Wiring Diagram

Carbon Monoxide Levels (PPM) (Applicable National Standard)	Alarm Response Time (Time Weighted Average)
70 parts per million (UL 2075 / 2034)	Within 4 Hours
150 part per million (UL 2075 / 2034)	Within 50 minutes
400 parts per million (UL 2075 / 2034)	Within 15 minutes

Specification

Voltage	24 VDC, UL864 Regulated
SLC Loop Current w/LED's	0.4 mA Quiescent 0.7 mA Alarm 3.5 mA
Sounder 24 VDC Current	0 mA Quiescent 33mA Surge Current
Sounder Audible Intensity	75 / 85dB @ 10 Feet
Wiring	Solid or Stranded; #12 to #22 AWG Terminals
Environment	Indoor, Dry
Operating Temperature	32 º F-122 º F (0 º C-50 º C)
Humidity	10-85% (Non-Condensing/Non-Freezing)
Material	Makrolon 6455 or 6555; 94V-0
Dimensions	6" Diameter x 1.6" H

Order Codes and Options

45681-800ADV	Intelligent CO Detector and Sounder Base
45681-292	Low Profile Blank Cover
45681-380	High Profile Blank Cover
MB-SDRT-SM	Synchronization Module
* Refer to Intelligent Detector data sheets for specific information regarding optional detectors.	

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As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.

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