

FEATURES

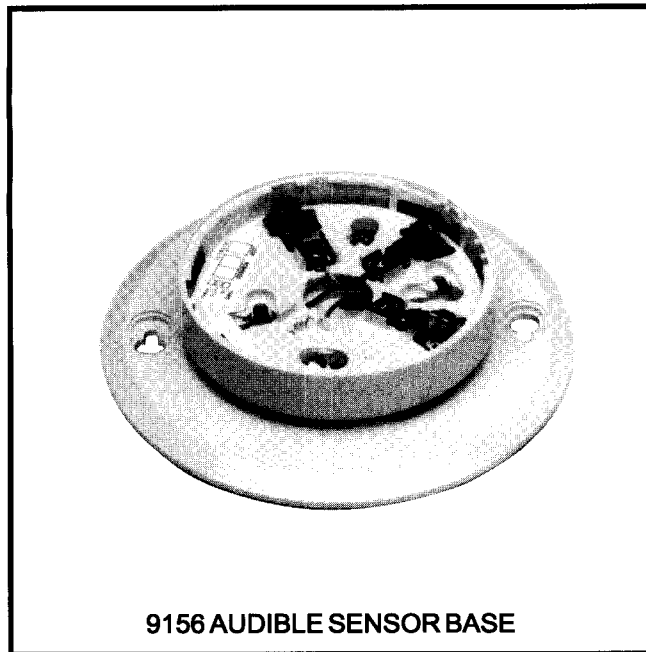
- UL Listed, File S911, Vol. 12 Sec. 3
- CSFM Approved, 7300-1209:128
- MEA Approved, 427-91-E
- Compatible with all 9163, 9152, 9154 addressable/analog sensors
- Powered as a "4-wire" (separately powered) device by the MPC-2000 AP-4 or MP-3 auxiliary power supply module
- Activated as a "2-wire" device by the associated sensor and the MPC-2000 AM-1 module
- Reverse polarity power supply "Link" feature for general alarm activations
- Integral sounder rated 90 dB @ 10 FT. (UL 85 dB min.)
- Mounts to a standard 4" square box, (1.7" depth recommended)
- Individually testable via the associated sensor's magnetic test switch
- Group testable via power supply polarity reversal
- Remote test accessible from the MPC-2000 via the associated sensor
- High level EMF/RFI Immunity circuitry
- Completely sealed and shielded electronics
- SEMS screw terminals for positive field wiring connector
- Maintains separate sensor and base design for easy sensor interchange
- Built-in tamper resistant mounting
- Made in the USA.

GENERAL

The 9156 "4-wire" audible sensor base is designed for use with 9163 (ionization), 9152 (photoelectric) and 9154 (thermal) addressable/analog (intelligent) sensors. When combined with one of these compatible sensors the 9156 provides the means to obtain a local audible alarm at the specific sensor location. Through "4-wire" (separate) power programming, the 9156 also can provide the means to sound other 9156's throughout the installation.

OPERATION

Once the 9156's associated sensor has latched into the alarm state, the integral horn in the 9156 will sound. It will remain on until the sensor is successfully reset. If polarity reversal upon alarm condition has been programmed on the "4-wire" AP-4 or MP-3 power supply in the MPC-2000 control, then all other associated 9156 bases will sound their integral alarm horns until the system is successfully reset.



9156 AUDIBLE SENSOR BASE

APPLICATION

Note #1: When NOT used as a supplementary evacuation signal, the external "4-wire" (separate) power supply must be treated as a component of the main system power supply and shall fall under the requirements of a main power supply system per NFPA-72.

Note #2: An up to 10 second delay may occur between initial sensor alarm latch and horn start-up(s).

Note #3: NFPA-72 and NEMA guidelines should be observed with regards to placement, spacing, zoning, wiring and special applications of sensors.

Note #4: A maximum of 1/8" of space is allowed from the outside edge of the installed electrical box to the outside edge of the finished ceiling when mounting the 9156 base.

Note #5: During testing cycles, the horn may sound if the associated sensor is left in the test mode with the LED's latched ON for more than 4 seconds. It is necessary to complete testing of each sensor within this 4 second time limit if the horn is NOT desired to sound.

Note #6: All wiring must be installed in compliance with the national electrical codes and the local codes having jurisdiction. Refer to product installation sheets for recommended specifications.

Note #7: For signal wiring (between interconnected sensors or modules). It is recommended that the wire be no smaller than #18 GA. Wire sizes up to #12 GA may be used with the 9156. For best system performance the "4-wire" (separate) power wires and the communication loop circuit wires should be twisted pair and installed in separate grounded conduits to protect the communication loop from extraneous electrical interference.

FIRE ALARM SIGNALING DEVICES - 9156

FARADAY 9156 AUDIBLE DETECTOR BASE UNIT AND ACCESSORIES

TECHNICAL

Voltage: 17 to 32VDC @ 10% ripple max.

Comm. Loop Ckt. Currents: Standby - 0.0A
Alarm - 700µA

Power Supply Current Draw: Standby - 1.0mA
Alarm - 15mA

Supervision: "4-Wire" E.O.L. Relay Monitored by 9157/9158 Module

Start-up Delay Time: Alarm - 10 sec.
Testing - 4.0 sec.

Horn Output Ratings: Typical - 90 dB @ 10 ft.
UL - 85 dB min.

Ambient Temperature: 14° to 140° F (-10° to 60°C)

Relative Humidity: 10% to 95%

Dimensions: 6.0" dia. x 2.3" h

Weight: 0.4 lbs.

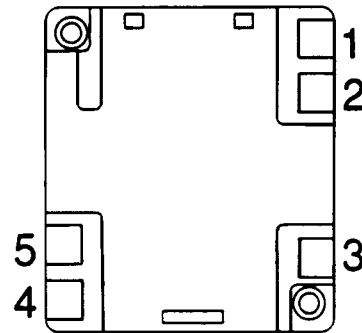
Mounting: 4" Square Electrical Box, 1.5" Depth min.

Finish: Off-White Lexan

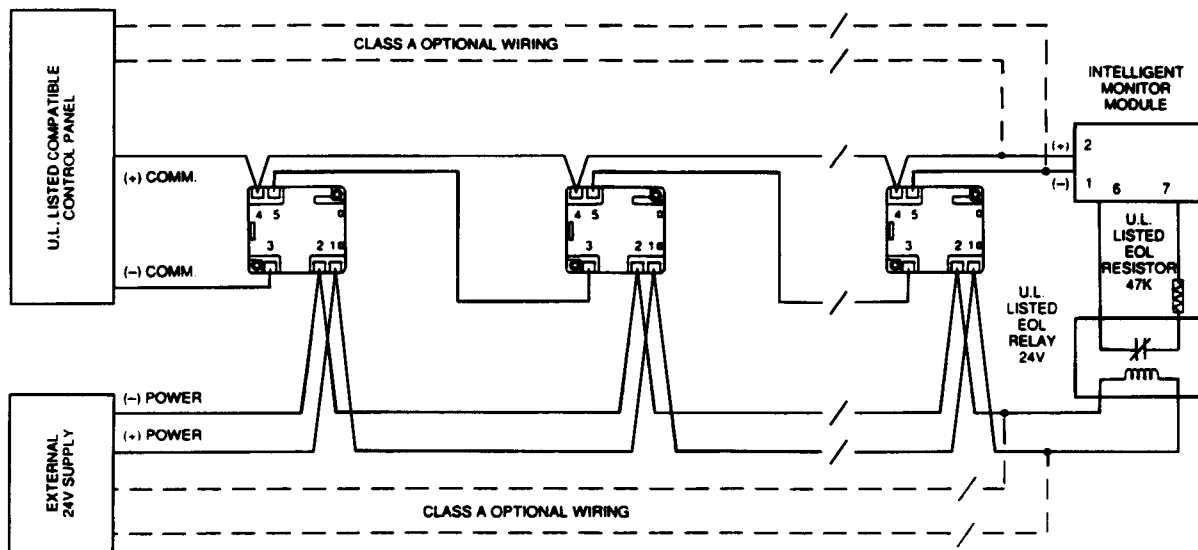
ORDERING INFORMATION

Part #	Description (System Sensor A/A Devices)
9156	(B501BH) 4-Wire A/A Base w/Horn
9152	(2551) Photoelectric Sensor, Less Base
9163	(1551) Ionization Sensor, Less Base
9154	(5551B) 135°F Fixed Heat Sensor, Less Base
9182	(5551R) 135°F Fixed Heat w/Rate-Of-Rise, Less Base
9158	(M501M) Device Monitor Module
PM-6849	(A77-716B) E.O.L Relay
3046	1.7"D Surface Back Box
3047	2.7"D Surface Back Box
3048	2.7"D Flush Back Box

TERMINAL LAYOUT



WIRING



WARNING - The information contained in this document is intended only as a summary and is subject to change without notice. The devices described in this document have specific instruction sheets which cover various technical, limitation and liability information. Copies of these instruction sheets and the General Product Warning and Limitations Document, which also contains important information, are provided with the product and are available from the Manufacturer. Information contained in these documents should be consulted before specifying or using the product. For further information or assistance concerning particular problems contact the Manufacturer.