

# **HERITAGE MEDCALL TECHNICAL SPECIFICATIONS**

# **Model HM-560B SMOKE DETECTOR**

- INTELLIGENT, SELF-DIAGNOSTIC
- USER REPLACEABLE OPTICAL CHAMBER
- LOW PROFILE DESIGN
- PLUG-IN TERMINAL BLOCK
- LED INDICATOR
- MEETS NFPA 72
- BUILT-IN 85db ELECTRONIC HORN
- DUST COVER INCLUDED



## **DESCRIPTION:**

The Model HM-560 smoke detector is a low voltage, photoelectric unit designed for both single and multiple station use. The detector connects directly to the Sentry HM-527 Rev F host panel. Its sensor operates on the scattered light principle, and electronically compensates for ambient light conditions. The detector has its own 85dB temporal pattern horn and power-on LED. Tamper resistant cover requires screwdriver to open hinged lid.

## **FEATURES:**

Photoelectric sensor is designed to sample the air every 3 seconds and trigger an alarm if prescribed levels of smoke appear. Self-diagnostics continually monitor its own sensitivity and operational status. Powered directly from the host panel, it will operate from system batteries when power goes out. Insect resistant screen minimizes nuisance alarms. Up to 4 additional detectors can be interconnected. The detectors alarm horn can be remotely activated by the host panel with the fire alarm interface option on the Master Console.

## **MOUNTING & WIRING:**

The HM-560B smoke detector can mount to a standard single-gang electrical box, four-inch octagon or four-inch square electrical box, WIREMOLD No. 5739 fixture box. The detector may also be flush mounted to walls or ceilings where local codes and or jurisdictions permit. Wire using Sentry recommended West Penn wire WPW 253 4 pair wire and attach to included plug-in terminal block.

## **SPECIFICATIONS:**

Minimum Voltage: 8.5 VDC  
Maximum Voltage: 33 VDC  
Typical Stand-by Current: 70  $\mu$ a  
Typical Alarm Current: 40 mA  
Dimensions: 6.1" Diameter x 1.9" Deep

Sounder: 85dB at 10 feet  
Wire size: 14 – 24 AWG  
Heat Detector: 135°F, 50 ft spacing  
rate-of-rise 15°F/min > 105°F  
Weight: 8.8 oz

**ARCHITECTS' AND ENGINEERS' SPECIFICATIONS**  
**SENTRY MODEL HM-560B SMOKE DETECTOR**

The smoke detector shall be powered by the system power supplies through the host panel. The detector shall have a solid state sensor that operates on the scattered light principle. It shall be protected by an insect resistant screen. The sensor shall sample the air at the detector every 3 seconds and shall be designed to trigger an alarm if prescribed levels of smoke enter its chamber. The detector shall electronically compensate for ambient light conditions and shall be capable of operating properly between 40 F and 100 F and relative humidity between 10% and 90%. Built-in diagnostics shall mechanically simulate the presence of smoke. A built-in light-emitting diode shall flash when power is being received. The detector shall have a mechanical alarm horn. It shall be capable of being mounted to any box up to a 4" octagon box. The detector shall meet NFPA 72. Size: 6.1" diameter, 1.9" deep. 2 pair wire is required for connection to the host panel, however Sentry recommends that 4 pair wire is installed for future addition of the Model HM-547 pendant receiver