

Cool solutions to thermal problems.

Rocky
Research

COMMERCIAL | INDUSTRIAL | DEFENSE

SAH3500

Key Features

- Designed to Withstand Harsh Environments
- Rugged Housing
- No Tools Required for Head Replacement
- Head Retention without Air Flow Disturbance.
- Addressable Communication
- Magnetic Test Feature activations
- Fixed Temperature Sensing

Rocky Research Heat Sensor Assembly



Utilizing commercial-off-the-shelf, state-of-the-art components, Rocky Research has designed a Heat Sensor Assembly that provides high reliability fire detection in industrial and military environments. Rocky Research has designed and tested this system along with the Advanced Fire and Smoke System to withstand harsh environments encountered aboard Navy ships – high shock, vibration, EMI, and temperature levels.

The Rocky Research Heat Sensor Assembly includes an aluminum housing and utilizes a cable feed-thru design to meet EMI and environmental requirements while providing ease of installation. The housing has multiple entry points for wiring to allow flexibility at installation. The sensor assembly incorporates a *patent pending* retaining system that provides durability in the harshest environments including the most severe shock requirements. The retaining system allows for head replacement without the use of any tools. The housing offers multiple mounting points for overhead and bulkhead installation in any orientation.

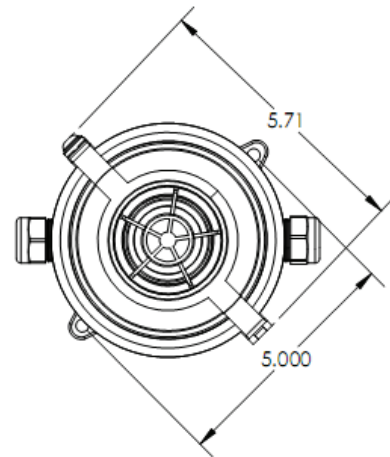
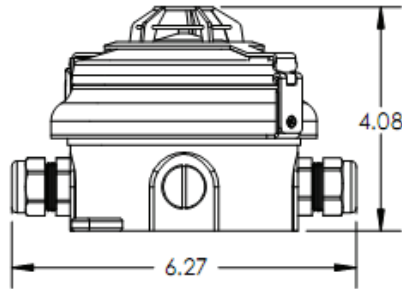
The **SAH3500** Heat Sensor Assembly incorporates electronics from the latest commercial-off-the shelf sensing devices while inherently designed for ease of installation. The heat sensor is self-restoring and provides rate compensated fixed temperature sensing, selectable with or without rate-of-rise temperature sensing. The sensor base is uniquely programmable for ease of monitoring specific locations.

System Specifications

Technology:	Addressable Fire Detection and Control Electronics
Device:	SAH3500 Heat Sensor The heat sensors are self-restoring and provide rate compensated, fixed temperature sensing, selectable with or without rate-of-rise temperature sensing.
Power:	24VDC
Communication:	IDNet™

Physical Specifications

Form Factor:	Overhead or Wall-Mount Installation
Dimensions:	Heat Sensor Assembly – 4.08”H x 6.27” Diameter
Weight:	1.5 lbs.
Mounting:	5 inches between mounting holes



Environmental Specifications – Designed to Meet

Shock:	MIL-STD-901D, Grade A, Class I, Type A
Vibration:	MIL-STD-167-1A, Certified
EMI:	MIL-STD-461E and F, Certified
Temperature:	0° to 65° C
Enclosure Protection:	MIL-E-2036, Drip-Proof up to 15 degrees