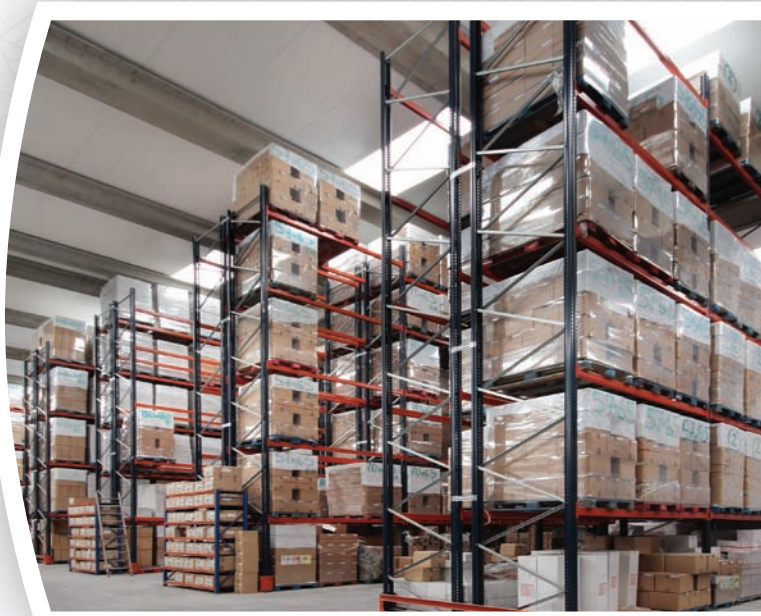
FAAST Fire Alarm Aspiration Sensing Technology®

Application: **Warehouse Spaces**

Smoke Detection in Warehouse Spaces

A fire in a warehouse can be catastrophic, potentially costing millions of dollars in lost inventory and downtime. Because of their size and the value of the products they contain, warehouse spaces require accurate and flexible smoke detection.



Fires can escalate quickly in warehouses due to the amount of stored goods and the presence of combustible materials. But because of their size, these spaces present unique challenges to traditional detection devices. Large, open areas with long distances from the floor to the ceiling can cause smoke to dilute and not reach ceiling-mounted spot detectors in detectable quantities, and temperature differentials can cause stratification that blocks smoke from reaching the ceiling at all. High rack storage and stratification may also preclude the use of beam detectors.

FAAST in Warehouses

As a high-sensitivity aspirating smoke detector, the FAAST Fire Alarm Aspiration Sensing Technology can overcome many of the fire detection challenges typically present in warehouses.

FAAST's patented Dual Vision sensing technology and advanced particle separation combine to provide high-sensitivity to actual fire with superior nuisance rejection – a critical requirement for protecting warehouses because of their often dusty environments. Even with its ability to discriminate against nuisance particulate, FAAST has a listed sensitivity rating of 0.00046%/ft (0.0015%/m) obscuration. This level of sensitivity can detect very small quantities of smoke, mitigating the effects of dilution and enabling a response before costly inventory damage or loss can occur. FAAST also offers five fully programmable alarm levels, so strategic responses can be customized to specific smoke thresholds.

FAAST's flexible pipe system may be run vertically up racks and across the ceiling, taking samples along its pipe network, to overcome the challenges of stratification. To further protect stored goods, pipes may also be run intra-rack to ensure complete coverage of a warehouse facility. A single FAAST system can cover up to 8,000 square feet.

FAAST is also able to actively notify facility managers at the first instance of trouble. Using its onboard Ethernet port and e-mail client, FAAST can send e-mails to up to six individuals when set alarm thresholds are reached. The integral Ethernet capabilities also allow a FAAST device to be monitored anywhere in the facility via the Local Area Network (LAN), or anywhere in the world using a Web browser and a VPN-capable device.