

ADDRESSABLE SMOKE SENSOR

FW5050-250



PRODUCT OVERVIEW

The FW Addressable Smoke sensor ensures rapid smoke detection with advanced optical technology, meeting UL268 7th Edition standards. Its sleek design fits various environments, effectively reducing false alarms while maintaining sensitivity.

KEY FEATURES

- **Advanced Detection:** Enhanced smoke detection and false alarm management.
- **Built-in Self-Test:** Allows for regular functionality checks to ensure reliable operation.
- **Internal Drift Compensation:** Helps maintain the detector's performance over time.
- **Automatic Addressing:** Utilizes the XPERT 7 card for simple and efficient installation.
- **Wind & Insect-Resistant Screen:** Prevents false alarms caused by debris or insects or airflow.

MANUFACTURER'S SPECIFICATION

Detection principle	Photo-electric light scattering
Digital communication protocol	FireWatch (Apollo) Protocol
Supply Wiring	Two wire supply, polarity insensitive
Sampling frequency	Once per second
Supply voltage	17 V to 28 V dc
Sensitivity	1.2 -2.1%/ft
Operating temperature	0°C to 55°C
Humidity	0% to 95% RH
Air velocity	0 - 300 fpm
Alarm indicator	Red light emitting diode
Modulation voltage	5 V - 9 V peak to peak
Additional Remote LED current	5 mA maximum
IP rating	IP44
Alarm/operated current, LED On	4 mA
Weight	83 grams
Dimensions	100 mm diameter x 36 mm height
Standards and approvals	UL 268 7th Ed., ULC S529 (Future Enhancement), FM 3230.
Effect of atmospheric pressure	Unaffected



Maintenance

FW addressable smoke detector should be regularly tested and cleaned to ensure it functions properly, following the manufacturer's guidelines. Use the built-in self-test feature to ensure functionality, and perform sensitivity checks as needed to maintain optimal performance, especially in environments prone to contamination.



Applications

- Residential buildings (bedrooms, living areas)
- Offices and commercial spaces
- Hospitals, schools, and public buildings
- Hotels and hospitality environments
- Educational Institutions
- Warehouses and Storage Areas



Warranty

A 10-year warranty covering any manufacturing defects.



Approvals

