

Senator-25™

Small Area Low Cost Aspirating Smoke Detector by Kidde Global Solutions



P/N 9-30671-7-KID-ULF

Effective: June 2026

K-76-1600 Rev AA

KiddeFenwal offers an Aspirating Smoke Detector (ASD) manufactured by Kidde Global Solutions Fire & Security.

Key Features:

- **Compact Size** – A proprietary laser-based forward light scatter design provides very high sensitivity smoke detection in a small footprint.
- **Fits into a Docking Station (included)** – All sampling pipes and cables are connected to the docking station as a first fix operation, leaving the detector to be fitted during the final commissioning phase (if required). This ensures that detectors are less likely to be damaged during the installation.
- **ClassiFire® Perceptive Artificial Intelligence** – Built-In intelligence ensures that the detector operates at optimum sensitivity for the protected environment, without the need for complex setup.
- **Easily Switches from High Sensitivity to Reduced Sensitivity** – The Senator 25 adjusts its operating parameters, allowing for day-to-day changes in the protected environment and dust separation system contamination. The detector can configure itself to provide high sensitivity in a computer room or reduced sensitivity in a smoky area, for example.
- **Unwanted Alarms From Dust Avoided** – Uses patented Dual Technology LDD 3D3 Laser Dust Discrimination and Elimination System to minimize unwanted alarms from dust.
- **Upgradable Volt-Free Fire & Fault Relay Outputs** – For remote monitoring by local fire detection or BMS systems.
- **Built-in RS485 communications** – Included as standard for networking and remote communications.

Compliances:

- UL Listed to UL-268, 7th Edition
- FM Approved



Typical Applications:

- Data storage units
- Prison cells
- Plant rooms
- Air conditioning units
- Equipment racks
- Computer rooms
- Heritage property protection
- Critical equipment
- Anti-smoking enforcement
- Motor rooms

Options Available:

- 1.) Command Module – for central monitoring and display
- 2.) SenseNet compatible – up to 127 detectors per loop
- 3.) Remote Display Units available
- 4.) Suitable for MatrixScan, a patented software system which provides virtual addressable location detection – for example, 10 physical detectors would provide up to 45 unique addressable locations.

Ordering Information:

The Senator-25 Aspirating Smoke Detector and related parts may be ordered directly from KiddeFenwal:

Part Number	Description
9-30671-7-KID-ULF	Kidde Senator-25 Detector with Docking Station Small-area (2,500 sq. ft) detector; 4 Alarm levels; Local indication via LEDs; Interconnection to FACP's via relay contacts; 1 pipe port; 164 ft (50m) sampling pipe max with 10 sampling holes max; Rugged steel enclosure; Docking Station included. Requires 24 VDC power supply.
33-30624A	ASD-CM Stand-Alone Command Module in molded plastic case - Provides central display, control and interfacing option for 127 detector network; Integral bargraph displays detector with the highest alarm level; Low profile molded plastic case w/ aluminum backplane. Requires 24 VDC power supply.
33-30802A	Remote Display Unit (Board Only) - Mimics detector display via RS485 SenseNET bus; 3U high metal front; Mounts to 19" card-frame or single wall mount RDU enclosure. Requires 24 VDC power supply. Wall enclosure or rack mount available separately.
30250	SenseNET™ Software CD and Dongle - Windows® based PC Graphical Management System; Provides central management and monitoring of up to 16 loops, each of up to 127 ASDs

Technical Specifications:

Electrical:	
Operating Voltage	21.6 to 26.4 VDC
Current Consumption	250 mA

Detection: Laser light scattering mass detection and particle evaluation	
Sensitivity	0.00046% to 7.62% Obs/ft. (0.0015% to 25% Obs/m)
Particle Sensitivity Range	0.003μ to 10μ
Alarm Levels	4 (Aux, Pre-alarm, Alarm and Alarm 2)
Physical:	
Dimensions	5.71" x 8.66" x 3.35" in. (145 x 220 x 85 mm)
Net weight	3.7 lbs (1.7 kg)
Color	Cream
Mounting type	Wall mount
Cable entries	2 x M20
Material (body)	Sheet steel enclosure
Environmental:	
Operating Temperature	32 to +100°F (0 to +38°C) (UL) 32 to +120°F (0 to +49°C) (FM)
Relative humidity	0 to 90% noncondensing
Environment	Indoor
IP rating	IP40
Sampling Pipework:	
Inlets	1
Diameter	3/4" nominal bore
Exhaust	1 (optional)
Outputs:	
Standard	2 - Alarm (N.O.) and Fault (N.C.)
Rating	500mA @ 30V
Expansion	Optional input and relay card
User Interface:	
Indicators	LED
Networking:	
SenseNET	(RS485) On-board

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