

Elevate Aisle Containment Smoke Sensor



Product Overview

The Elevate Cold Aisle Smoke Sensor is designed to integrate seamlessly with the Cold Aisle Controller Host, providing real-time smoke detection for optimal safety in critical environments. This sensor automatically activates the Active Skylight roof panels and opens the powered front doors when smoke is detected, ensuring efficient and immediate response.

Accurate and reliable, the sensor continuously monitors smoke levels. When smoke concentration exceeds the predefined alarm threshold, it triggers an alert by emitting a dry node signal to the controller via the input module. The sensor is equipped with a built-in buzzer that generates a high-decibel sound to notify of an alarm, enhancing both visibility and response time during emergencies.

✓ Suitable for various installation environments

✓ Supports integration with fire protection system

✓ Supports integration with the monitoring system

Product Specifications

Feature	Values
Power Supply	DC24V
Monitoring	<4mA (24V)
Fire	<30mA (24V)
Output	Relay dry contact output, open circuit output during monitoring, short circuit output during alarm (user can set by themselves)
Output Contact Capacity	0.3A/60VAC, 1A/30VDC
Indicator Light	Dual colour light, green for normal, red for fire alarm
Alarm Volume	>80dB (3m directly ahead)
Working Temperature	-10°C~+50°C
Working Humidity	<95% (40 °C, no condensation)
Overall Dimension	120mm × 39mm
Weight	About 110g
Installation Hole Pitch	92mm
Shell	ABS White

Product Standards

Applicable standard	Description
Directive 2008/98/EC (WFD)	Waste Framework Directive — compliant. Implemented in the UK through the Waste (England and Wales) Regulations 2011 (SI 2011 No. 988).
ECHA SCIP Database	Compliant; product does not contain SVHCs (Substances of Very High Concern) as defined under REACH Article 33(1). Submission obligations met under EU REACH and UK REACH.
Regulation (EU) 2019/1021 (POPs)	EU Regulation on Persistent Organic Pollutants — compliant. For Great Britain, compliance is aligned with the Persistent Organic Pollutants (Amendment) (EU Exit) Regulations 2020 (SI 2020 No. 1355).
Directive 2011/65/EU (RoHS II)	Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment — compliant. Applies within EU member states.
Directive (EU) 2015/863 (RoHS III)	Amending Directive 2011/65/EU to add four phthalates (DEHP, BBP, DBP, DIBP) to Annex II — compliant.
UK SI 2012 No. 3032	The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (UK RoHS) — compliant for Great Britain. Retained EU law, as amended by the Product Safety and Metrology (Amendment etc.) (EU Exit) Regulations 2019.

Part Number Table

Part Number	Description
579-550-100	Elevate Cold Aisle Smoke Sensor