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 the monitoring system**

√ **Supports integration with fire protection 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	-10ºC~+50ºC
Working Humidity	<95% (40 ºC, no condensation)
Overall Dimension	120mm × 39mm
Weight	About 110g
Installation Hole Pitch	92mm
Shell	ABS White

Part Number Table

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