FAD-325-V2F-DH Analog duct smoke head, 2-wire 24V

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BOSCH
Invented for life

- Replacement for the FAD-325-DH Analog duct smoke head for use in FAD-325, FAD-325-R, FAD-325-V2F and FAD-325-V2F-R Analog duct kits
- Provides automatic drift compensation
- Easy detector removal for cleaning and servicing

Functions

Fire panel connections
The detector is controlled by a microprocessor. The detector communicates with the fire panel (both power and data) over a two-wire SLC bus.

Sensitivity levels
Sensitivity levels are adjustable over a range of 0.9 %/ft. to 2.65 %/ft. (2.95 %/m to 8.7 %/m) obscuration. The unique detection chamber design prevents external light from affecting the photodiode.

Certifications and approvals

Region	Regulatory compliance/quality marks	
USA	UL	UROX, Smoke-automatic Fire Detectors (ANSI/UL 268A)
	CSFM	see the Bosch website (www.boschsecurity.com)

Installation/configuration notes

Compatible Products
The following products are compatible with the FAD-325-V2F-DH Analog duct smoke head:

Category	Product ID	Product Description
Fire Panels	FPA-1000-V2	Analog Addressable Fire Panels
Detector Bases	FAD-325	Kit, analog duct housing w/ smoke head
	FAD-325-R	Kit, analog duct housing w/ relays & head
	FAD-325-V2F	Kit, analog duct housing w/ smoke head
	FAD-325-V2F-R	Kit, analog duct housing w/ relays & head
Programming Products	D5070	Analog point programmer, hand-held

Mounting

The FAD-325-V2F-DH installs quickly and easily into the FAD-325, FAD-325-R, FAD-325-V2F and FAD-325-V2F-R Analog duct housings to replace the detector. To install, insert the detector head into a groove on the base and turn the head clockwise.

Parts included

Quantity	Component
1	FAD-325-V2F-DH Analog duct smoke head
1	Dust cover
1	Literature pack

Technical specifications

Electrical

Current (from SLC) Active (LED on) Standby	 0.8 mA 0.35 mA
Voltage, operating (from SLC)	17 VDC to 41 VDC, 39 VDC nominal

Environmental

Environment	Indoor, dry
Temperature operating storage	 +14°F to +122°F (-10°C to +50°C) -4°F to +140°F (-20°C to +60°C) *For UL Listed installations, +32°F to +120°F (0°C to +49°C)*

Mechanical

Air velocity	0 ft./min. to 4000 ft./min. (0 m/s to 20.4 m/s)
Sensitivity range	0.9 %/ft. to 2.65 %/ft. (2.95%/m to 8.7%/m)

Trademarks

All hardware/software product names used in this document are likely to be registered trademarks and must be treated accordingly.

Ordering information

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Order number **FAD-325-V2F-DH**

Accessories

D304 Remote indicator plate
Brushed stainless steel indicator plate with a red alarm LED and a green pilot LED
Order number **D304**

D305 Remote test/indicator plate, 24V
Brushed stainless steel annunciator plate, red alarm LED, green pilot LED, key-operated Test/reset switch
Order number **D305**

D5070 Analog point programmer, hand-held
Used to program address settings on EEPROM-programmable analog devices
Order number **D5070**

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