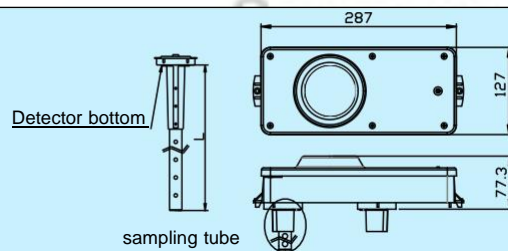


RSA-DFST - Duct Smoke Detector



Applications & Features

- Model RSA-DFST, designed for detecting earlier smoke presence from various duct of HVAC or ventilation systems
- Utilizes photoelectric technology, senses the air which is sampled from the sampling tube extended into the ventilation duct. When sufficient smoke is sensed, an alarm signal will be initiated for shutting off fans, blowers or air handling systems, etc. These actions can prevent the toxic smoke and fire gases from entering the protected areas, and stop the spread of fire through ventilation ducts
- Alarm, supervisory and auxiliary relay contacts are available for control panel interface, HVAC equipment and other similar functions
- The detector can do self-diagnosis, which can diagnose fault information such as power supply abnormal, communication failure, cover dislocation, etc. and judge the problem through the flashing LED, to improve the stability and reliability
- The detector supports 2-bus input, which is suitable for accessing the fire bus system
- The sampling tubes are available in various lengths. It is recommended that the length inserts at least 2/3 across the duct width for good performance

Specifications

Sensor: photoelectric smoke detector

Air Velocity: 1.0~20 m/s

Environment: work, -20~70°C, 0~95%RH (Non-cond.); storage, -30~70°C

Power: (20~29VDC)±1V or 2-bus input

Monitor current: 35mA@24VDC

Alarm current: 55mA@24VDC

Alarm response time: 15s

Relay contacts: SPST, 2A @30VDC/125VAC

LED Indicators: Running (red/green), Fault (yellow)

Electrical connection: screw terminal

Enclosure: Gray PC bottom box and transparent upper cover (UL94-V0)

Protection: IP54

Weight: 1kg (excluding sampling tube)

Approval: CCCF

Accessory: Sampling tube, should be ordered separately

Models of the Sampling tube:

Model	Insert Length	Apply for Duct Width
RSA-DFST1	300mm (1 ft)	0.3m (1 ft)
RSA-DFST1.5	450mm (1.5 ft)	0.3-0.6m (1-2 ft)
RSA-DFST3	900mm (3 ft)	0.6-1.2m (2-4 ft)
RSA-DFST5	1500mm (5 ft)	1.2-2.4m (4-8 ft)
RSA-DFST10	3000mm (10 ft)	2.4-3.7m (8-12 ft)

