

Features and technical specification

Part Number: VF/RED/1.5

Features:

- Fully self-contained automatic fire detection and extinguishing system.
- ‘Out of the box fire protection solution’ requiring no fire engineering design; quick and easy to install and simple to operate.
- Designed around EN54-2 C&IE design standards.
- LPCB approved Airsense HSSD detection for quick response.
- HFC227ea Extinguishing agent to cover 1.5 cubic meters.
- Approved and tested bottle & valve sets, specially designed performance tested discharge nozzles, proven fire tested performance.
- Volt free contacts for connection into 3rd party equipment.
- 19” rack mounted chassis.
- 2U (88mm) height.
- 479mm Depth



Technical Specification: Panel

Input Voltage	110/230VAC 50/60Hz via single fused IEC C13 socket
Output Voltage	110/230VAC 8A single IEC C14 socket (Fan tray shutdown)
Output Switching	1 st stage fire alarm contacts form ‘C’ volt free contacts 2 nd stage alarm contacts form ‘C’ volt free contacts Common Fault form ‘C’ volt free contacts All output contact ratings - 8A @ 24V dc 24v dc output fused @ 500mA Fan/Air-conditioning power shutdown output (IEC). All wired outputs use Wiedmuller plug-in terminals.
Output data port	Extinguishant delay time 0,4,32,64,128 seconds
Remote Output	Extinguishant output
Remote Inputs	Extinguishant Release Hold off Release
Backup power	2 x 1.2 AH SLAB – Up to 8hrs for HSSD Redetec unit
Operating Temperature	0 to +50°C
Operating Humidity	0 to 95% (non-condensing)
Power supply approvals	BS EN54-4 1998, EN55022 class B emissions limits & EN60950: 2000 safety standards
Power Supply Rating	1.5A PSU: 1.0A continuous load, 0.5A battery charge
Dimensions	19” (485mm) width, 2U (88mm) height, 479mm deep including nozzle suitable for 600mm cabinets, additional extension tubes supplied as standard for 800mm -1000mm+ cabinets.
Extinguishing type	1.2kg HFC227ea (1,1,1,2,3,3,3- heptafluoropropane)
Fire detector type	1pcs Kidde Airsense Micra10 for High Sensitivity Smoke Detection (HSSD)
Shipping dimensions	190mm x 570mm x 590mm
Shipping weight	14.5kg



Technical Specification cont.: Detection

Supply Voltage	21.6V - 26.4V DC
Current consumption	250mA @ 24V DC
Size	145W x 220H x 85D
Weight	1.7kg
Operating temperature range	-10 to +38°C (UL268) -10 to + 60°C (CEA4022)
Operating humidity range	0 – 90% non-condensing
Sensitivity range	0.03% to 25% obs/m
Detection principle	Laser light scattering mass detection and particle evaluation
Particle sensitivity range	0.003µm to 10µm
Dust discrimination principle	3D3 Laser Dust Discrimination (LDD)
Alarm levels	4 (Aux, Pre-alarm, Fire 1 and Fire 2)
Integral relays	Fire, Fault Relay Input PCB
Laser chamber service intervals	Greater than 10 years (dependent on environment)
Programming	Command Module or PC via RS232/RS485
Sampling pipe inlets	1
Exhaust air pipe outlets	1

Protect your business with Redetec...
putting fire protection where it counts.