

## Features and technical specification

Part Number: PF/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 Hochiki optical detection for reliability.
- HFC227ea(FM200) 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 3<sup>rd</sup> 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
Output Switching	1 <sup>st</sup> stage fire alarm contacts form ‘C’ volt free contacts 2 <sup>nd</sup> 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 - 12hrs for standard 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	1.2kgs HFC227ea(FM200) (1,1,1,2,3,3,3- heptafluoropropane)
Fire detector types	2pcs Hochiki Conventional Optical Smoke Detectors
Shipping dimensions	190mm x 570mm x 590mm
Shipping weight	13kg



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19” rack-mount fire protection solutions

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## Technical Specification cont.: Detection

Disposable Chamber	Yes
Operating Voltage	9.5 - 30Vd.c.
Quiescent Current (typ)	35 $\mu$ A
Maximum Current Alarm	40mA
Remote Indicator Drive	20mA (max) / 9.5-14mA (typ)
Operating Temperature Range	-10°C to + 50°C
Storage Temperature Range	-30°C to + 60°C
Maximum Humidity	95%RH - Non Condensing (at 40°C)
Ingress Protection Rating	IP42
Colour / Case Material	Ivory White / ABS
Weight (g)	95
Diameter (mm)	100
Height (mm)	38
Base Heights (mm)	8 13
Base Fixing Centres (mm)	48 ~ 74
Approvals	EN54:2000 Part 7 LPCB VdS (G204043)

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