

FireNET Vapor™ - VPR-15



STANDARD FEATURES

- 15 Tube Addressable Air Sampling
- 0.0003 - 6.10 %/ft obscuration (0.001 - 20 %/m)
- 4 Alarm Levels - Alert, Action, Fire 1, Fire 2
- 15 x 164ft (15 x 50m) microbore sampling tubes
- Reliable linear pump technology
- Ethernet TCP/IP
- Modbus interface for programming
- 5 relay outputs
- Optional 4 to 20mA analog outputs and relay cards
- Area coverage of up to 16,150 ft² (1500 m²)

APPLICATIONS

The FireNET Vapor™ VPR-15 detector is configurable for a variety of environments, providing an ideal fire detection solution for cabinets, server rooms, prisons, historic buildings, art galleries and museums.



DESCRIPTION

The FireNET Vapor™ VPR-15 detector is an air-sampling system with an alarm sensitivity range from 0.0003 - 6.10 %/ft obscuration (0.001 - 20 %/m). This detector is classified as a Very Early Warning Smoke Detector and can reliably detect fire at an early stage and low to high concentrations of smoke over an area of 16,150 ft² (1500 m²).

OPERATIONS

Programming and Configuration:

The four alarm sensitivity thresholds and delays can be individually programmed. The VPR-15 detector provides a simple and comprehensive display that includes an LED array to show the measured smoke level for the currently selected microbore and an on-board programmer for local configuration.

RS232, RS485 and TCP/IP communication interfaces are available to connect to the Hochiki Configuration software package: FireNET Vapor™ Explorer. RS485 interfaces also allow connections to programming devices and remote displays and the TCP/IP Ethernet interface can provide access to an email messaging service.

Inputs and Outputs:

The VPR-15 detector supports a number of optional modules, which provide the detector with additional programmable output relay interfaces and 4 to 20 mA analog outputs.

Aspirating and Flow Sensing:

The aspirator is a linear vacuum pump, which provides superior detection times over long tube lengths and reliable detection in high air flow environments. Airflow in each tube is monitored by a differential pressure sensor, with airflow faults indicated on the display and reported to monitoring equipment.

ORDERING INFORMATION

- VPR-15 - Aspirating Smoke Detector (0200-06080)
- VPR-RM4 - 4 Channel Relay Module (0400-03200)
- VPR-CLO8 - 8 Channel Analog Output Module (0400-03210)
- VPR-15-RD - Remote Display Module (0500-06660)

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SPECIFICATIONS

Supply Voltage	24 VDC
Supply Current	1.30mA (Quiescent) – 1.33A (Scanning)
Aspirator	Linear vacuum pump
Dimensions	19.3"W (490mm) x 14.0"H (355mm) x 7.9"D (200mm)
Operating Temperature	32 - 100°F (0 - 38°C)
Maximum Humidity	10 – 95% RH (non-condensing)
Microbore Tube Diameter	Outer tube: 0.24" (6mm) Inner tube: 0.16" (4mm)
Microbore Tube Length	15 x 164ft (15 x 50m)
Alarm Sensitivity Range	0.0003 – 6.10 %/ft (0.001 – 20 %/m)
Alarm Settings	Alarm levels: Alert, Action, Fire 1 and Fire 2 Alarm delays: 0 – 60 seconds
IP Rating	IP30
Filtration	Field exchangeable dual stage filter
Flow Monitoring	Differential pressure sensor
Relay Outputs	4 alarm relays, 1 fault relay, 1 Amp changeover Rating 1A @ 30VDC, NO/NC
Communication	RS232, RS485 Modbus and Ethernet TCP/IP
Event Log	Up to 20,000 events stored

DIMENSIONS

