HOCHIKI®

FireNET Vapor™- VPR-SD1 & VPR-SD2

DESCRIPTION

The FireNET Vapor™ VPR-SD1 & VPR-SD2 are aspirating smoke detection systems that utilize an air-sampling pipe network to draw air towards analog addressable point detectors (ALK-V) installed inside a sealed enclosure. The VPR-SD1 has one pipe inlet and provision for one or two point detectors allowing redundant or double-knock detection. The VPR-SD2 has two pipe inlets and provision for two separate point detectors, each monitoring a separate sampling pipe run, which allows for redundant or double-knock detection.

STANDARD FEATURES

- Listed to UL268 & UL268A
- Single or dual inlet fire detection
- Multiple Piping options
- Multiple detection strategies
- Pipe Length(s) up to164ft (50m) total per device
- Flexible Tube Length(s) up to 50ft (15m) maximum
- Microprocessor controlled
- High performance aspirator
- Integral display and programmer
- Field serviceable air filter
- Adjustable aspirator speed with airflow monitoring
- Compatible with FireNET and FireNET Plus FACP

DETECTOR CONFIGURATION OPTIONS

Detector Configuration Options:

Configuration options are available for the VPR-SD1 and VPR-SD2 systems:

- VPR-SD1 system - one or two spot (point) detectors (shared inlet)
- VPR-SD2 system - two spot (point) detectors (dual inlet)

VPR-SD1 systems with one spot (point) detector are capable of providing single area detection, but VPR-SD1 and VPR-SD2 systems with two detectors are able to provide a number of detection strategies. The table below describes the recommended configuration options for the selected detection strategy when two spot (point) detectors are installed into a VPR-SD system.

APPLICATIONS

The FireNET Vapor™ VPR-SD1 & VPR-SD2 detectors are configurable for a variety of environments, providing an ideal fire detection solution for correctional facilities, transformer vaults, cable tunnels, elevator machine rooms and HVAC ducts.

		VPR-SD1	VPR-SD2
Two Detector Strategy	Dual Addressable Areas		✓
	Redundancy	✓ (OR)	✓ (OR)
	Coincident / Double-Knock	✓ (AND)	✓ (AND)

 *Subject to local codes and standards

ORDERING INFORMATION

VPR-SD1: (0200-06090)
VPR-SD2: (0200-06100)

*ALK-V detector and fitting accessories are sold seperately.

PRODUCT LISTINGS

SIGNALING
(UL) LISTED
S3516

California State Fire Marshal Pending

Find latest revision at **www.hochiki.com**

ISO 9001:2000 REGISTERED

F0171   11/2012

SPECIFICATIONS

Supply Voltage	24 VDC
Supply Current	350mA (min) – 680mA (In-rush)
Aspirator	2000 Pa Centrifugal air pump
Dimensions	10.2"W (259mm) x 12.6"H (321mm) x 6.5"D (166mm)
Operating Temperature	32 - 100°F (0 - 38°C)
Maximum Humidity	10 – 95% RH (non-condensing)
Air Inlet Pipe	Metric: 25mm (1.05") American Pipe: ¾" I.D (21mm) Flexible tubing: ¾" O.D (19mm)
Alarm Sensitivity Range	1.00 – 2.06 %/ft
Sampling Network	Pipe Length: Up to 164ft (50m) total per device Flexible tubing: Up to 50ft (15m)
IP Rating	IP30 Wiring Enclosure IP65 Detector Enclosure
Filtration	Serviceable filter
Flow Monitoring	High and low programmable flow limits
Aspirator	Control: 10 programmable speeds Pressure: 250 Pa
Relay outputs	VPR-SD1 – 1 fault relay output VPR-SD2 – 2 fault relay outputs
Field Wiring	18 to 10 AWG solid 20 to 12 AWG stranded

DIMENSIONS