

# Combination Smoke and Heat Detector



## Multi-purpose Design

When there is smoke or heat during pre-fire period, field situation will become vary due to different environments. This combination design is to ensure that the pre-fire confirmation will not effected by vary environments.

## Construction and Characteristics

- Transmitter projects beam signal every 3 seconds to check any smoke caused by real fire. When smoke density reaches the preset standard, receiver will confirm the signal for 16 consecutive times. Control panel will then receive the fire signal after confirmation is made.
- Detector has a monitoring LED operates about every 16 seconds per cycle (flash) during stand-by status. When there is smoke, detector will issue fire signal after 16 consecutive times of confirmation on every 0.3 second. If any dust cause flashing or inconsecutive signal, it will back to normal status after 32 confirmations.
- Insect guard has a radius 0.5 mm it can prevent the invasion by insects, decrease fault alarm. Besides, it also has great discharge effect on electrostatics.
- Smoke gate has a special design to obscure the strong light effectively and lead smoke comes in easily. Steam will not stay on the insect guard screen to cause the false alarm.
- With accumulated water discharger to eliminate leakage of water from the distributing pipe and ceiling which may leak into the detector and cause false alarm.
- This detector has passed strict quality control and repetitious test, hence its quality is stable and high reliability.

## Specification

Model	VE-9935
Type	4-wire
Alarm Contact	N.C./N.O. 0.8A @30V DC
Voltage Range	12 ~ 30V DC
Alarm Current	35mA 35mA 30mA @24V DC 470Ω
Standby Current	20 ~ 30μA (Loop response under 75μA)
Permissible Current	185mA
Sensitivity Setting	Comply to UL, EN54, CNS
Thermal Setting	55°C
Ambient Temperature	-10°C ~ +55°C
Material	Fire-proof plastic
Dimensions	102mm(Dia.) x 50mm(H)
Weight	About 170g
Color	White

## Effective Alert Area

Building Height	Area Covered
Under 4M	150 M <sup>2</sup>
4 ~ 20M	75 M <sup>2</sup>

Approvals

