

VE-CMD12V

CONVENTIONAL MULTI DETECTOR



OVERVIEW

VE-CMD12V Conventional multi-criteria detectors represent a cutting-edge advancement in fire detection technology, combining multiple sensing elements to provide enhanced accuracy and reliability in identifying potential fire hazards. Multi-Sensing Capability-Multi-criteria detectors integrate multiple detection technologies such as heat and smoke. This multi-sensing approach allows them to more effectively discriminate between false alarms and genuine fire events.



FEATURES

ADAPTIVE ALGORITHMS

Equipped with sophisticated algorithms, by dynamically adjusting detection thresholds and response parameters, they can adapt to varying conditions and minimize false alarms.

ENHANCED SENSITIVITY

By leveraging complementary detection mechanisms, multi-criteria detectors offer heightened sensitivity to a wider range of fire types and conditions. Whether it's detecting smoldering fires with low heat output.

FLEXIBILITY AND CUSTOMIZATION

Conventional multi-criteria detectors are highly configurable, allowing users to tailor detection settings to specific application requirements and environmental challenges. This flexibility ensures optimal performance across diverse settings, from residential buildings to industrial facilities (Various environment).



MULTI-SENSING CAPABILITY

Integrates multiple detection technologies such as heat and smoke sensing to provide comprehensive fire detection.

INTEGRATION WITH FIRE ALARM SYSTEMS

Compatible with conventional fire alarm control panels, multi-criteria detectors seamlessly integrate into existing fire detection networks. They communicate alarm signals and status updates to the central control panel, enabling swift response and coordination in the event of a fire emergency, multi-criteria detectors may incorporate features for environmental monitoring, such as temperature and humidity sensing. Multi-criteria detectors boast robust construction and reliable performance, ensuring dependable operation even in challenging environments. With minimal maintenance requirements.

COMPATIBILITY

These detectors are compatible with conventional fire alarm control panels, which makes them a cost-effective option for many applications.

RELIABLE OPERATION

Built with robust construction and reliable performance to ensure dependable operation even in harsh conditions.

ALARM SIGNAL

When activated, conventional multi-criteria detectors send a signal to the fire alarm control panel, which then triggers an alarm, alerting occupants to the potential fire hazard.

LONGEVITY

With proper maintenance, conventional multi-criteria detectors can have a long service life, providing reliable fire detection for years to come.

COMPLIANCE AND CERTIFICATION

Conventional multi-criteria detectors undergo rigorous testing and certification to meet industry standards for fire detection and life safety. Their compliance with regulatory requirements underscores their reliability and suitability for use in a wide range of commercial, institutional, and residential settings.



FUTURE-PROOF TECHNOLOGY

As advancements in fire detection continue to evolve, multi-criteria detectors represent a future-proof investment, offering scalability and compatibility with emerging technologies. Their forward-thinking design ensures that they remain at the forefront of fire safety innovation for years to come.

Specification	
Voltage Range	12-30V DC
Alarm Current	10-100mA
Quiescent	60uA@24V DC
Operating temperature	0°C to 80°C
Humidity	<95%RH
Connection	2-wire
Sensor	Photothermal
Visibility	360°
Product Size	10.6x10.6x5.2cm
Color	off white. (FAF9F6)
Housing	Polycarbonate

COMPATIBILITY

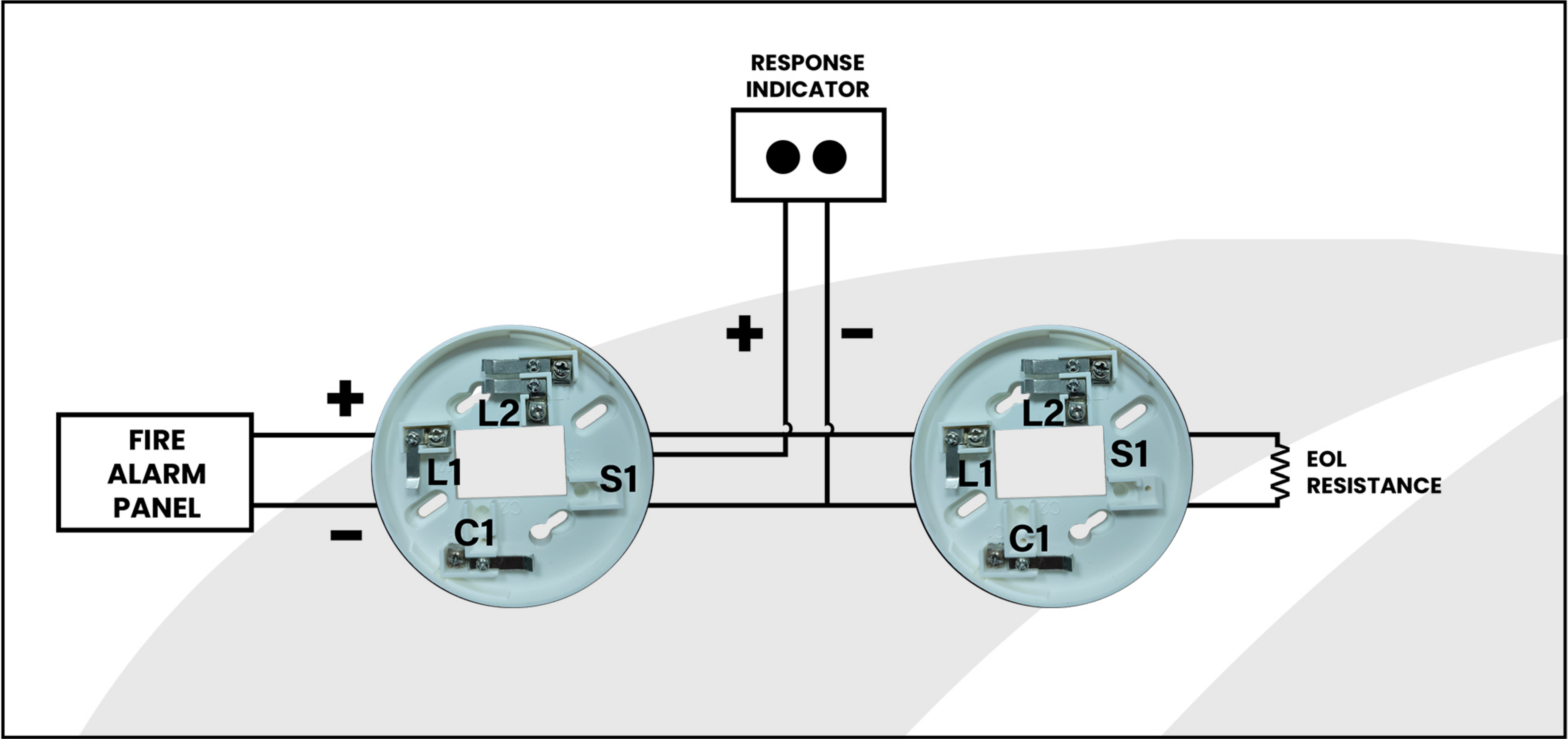
VE-02C40(2 ZONE), VE-04C80(4 ZONE), VE-06C120(6 ZONE), VE-08C160(8 ZONE), VE-10C200(10 ZONE), VE-12C240(12 ZONE), VE-32C640(32 ZONE) AND ALSO CAN BE COMPATIBLE WITH ANY CONVENTIONAL FIRE ALARM PANEL WITH THE RATING (12~30V DC OPERATING VOLTAGE)

APPROVALS



Indication	
Normal	Green Blinking in 10second in normal mode.
Fire	Steady Red in fire detection mode.

CONNECTION & WIRING DIAGRAM'S



Disclaimer

This document is just for a general overview & is not intended to be used for installation purpose. Data contained in documentation should be consulted with a fire-safety professional before specifying or using the product. All the specification are subject to change without prior notice.