

# VE-CHD12V

## CONVENTIONAL HEAT DETECTOR



### OVERVIEW

VE-CHD12V conventional heat detector is an essential component of a fire alarm system, designed to detect increases in temperature indicative of a fire. Heat detectors monitor changes in thermal energy levels. When the temperature rises above a predetermined threshold, the heat detector triggers the fire alarm system, initiating timely alerts and necessary emergency protocols. With its reliable detection capabilities conventional heat detectors serve as critical safeguards against fire hazards, ensuring swift response and effective mitigation of risks.



### FEATURES

#### HEAT SENSING CAPABILITY

Conventional heat detectors are designed to sense elevated temperatures within their vicinity.

#### FIXED TEMPERATURE OR RATE-OF-RISE SENSING

They can be configured to detect either a sudden rise in temperature (rate-of-rise) or when the temperature reaches a pre-set threshold (fixed temperature).

#### SIMPLE DESIGN

Conventional heat detectors have a straightforward design, making them easy to install and maintain.

#### RELIABILITY

They provide reliable detection of fire in environments where smoke detectors might not be suitable, such as areas with high dust levels or where smoke detection could lead to false alarms.





COMPATIBILITY

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

ALARM SIGNAL

When activated, conventional heat 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 heat detectors can have a long service life, providing reliable fire detection 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 SAME RATING (12~30V DC OPERATING VOLTAGE)

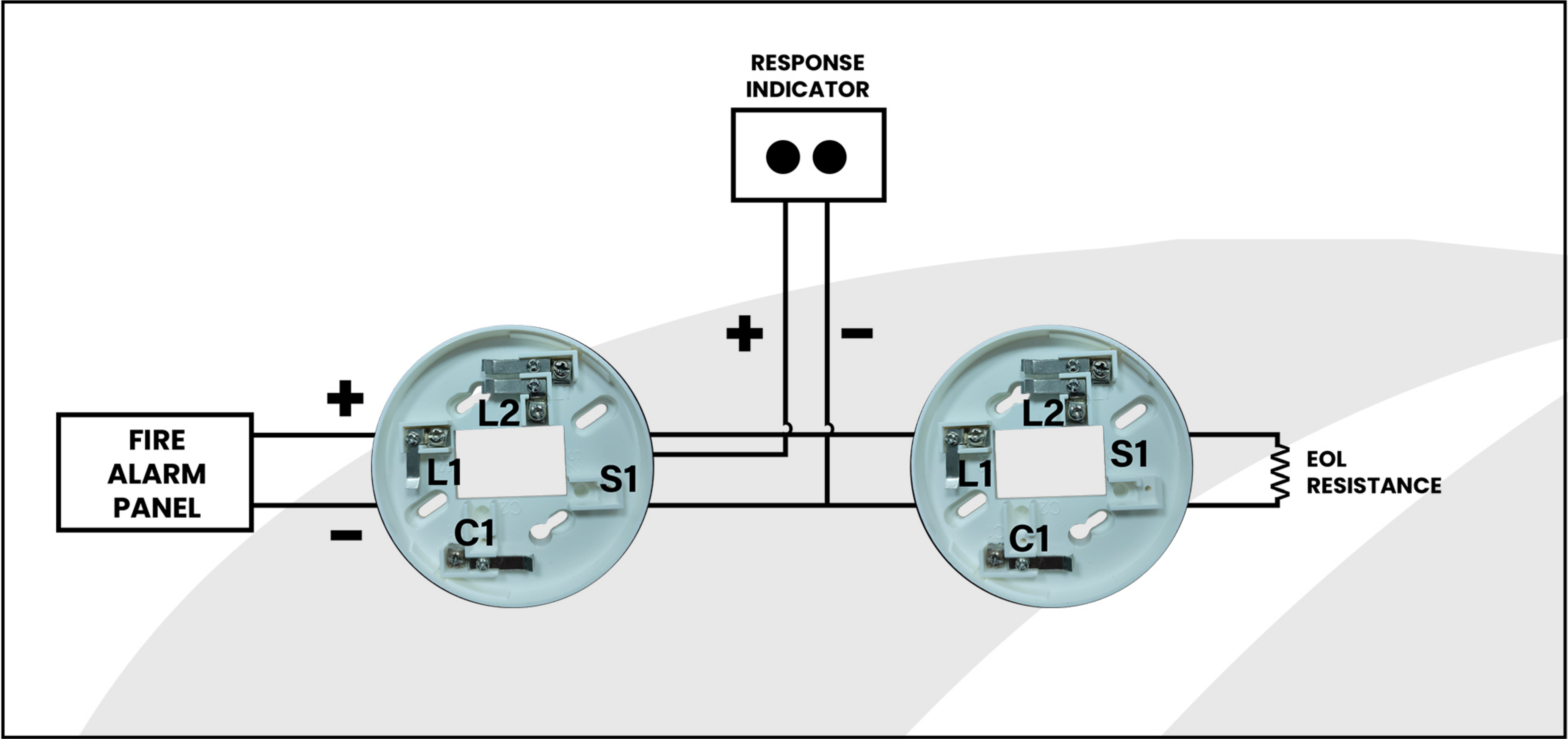
APPROVALS





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.