

VE-AMD12V

ADDRESSABLE MULTI-CRITERIA DETECTOR



OVERVIEW

VE-AMD12V Addressable multi-criteria detectors represent a cutting-edge advancement in fire detection technology, combining multiple sensing technologies elements to provide enhanced accuracy and reliability in identifying potential fire hazards & also ensuring increased immunity to false alarms. Unlike traditional detectors that rely on a single sensing method, multi-criteria detectors incorporate optical & thermal sensors to integrate multiple detection mechanisms. This multi-sensing approach allows to more effectively discriminate both smoke and heat presence in the premises without missing any kind of fire.



VE-AMD12V can be used across various areas such as residential occupancies, office complexes, schools, academic institutions, industrial, hospital & healthcare, commercial buildings etc. or may be used as per the local building codes & compliances.

FEATURES

- Available with or without isolator base
- smoke detector sensitivity changing feature
- Obscuration level for smoke detector
- Heat detectors temp 58°C
- Soft addressing by Panel
- Easy for maintenance
- Automatic drift compensation
- Enhanced Smoke and Heat Chamber Design to reduce false alarm by dust or contamination
- Easy to Installation
- Dual integrated LED for 360°C Visibility
- Analogue Addressable communication
- Advanced protocol for smoothing filter to suppress false alarm



MECHANICAL SPECIFICATION

Height	39mm without Base
Diameter	100mm
Weight	100g
Max Wire gauge for terminals	2.5mm
Colour	Cream White
Material	ABS Plastic

ELECTRICAL SPECIFICATION

Operating Voltage	18 to 25V DC
Alarm Current	600µA
Connection	2 Wire

ENVIRONMENTAL SPECIFICATION

Temperature Range	-10°C to +70°C
Humidity	≤ 95% Relative Humidity
IP Rating	IP21

APPROVALS



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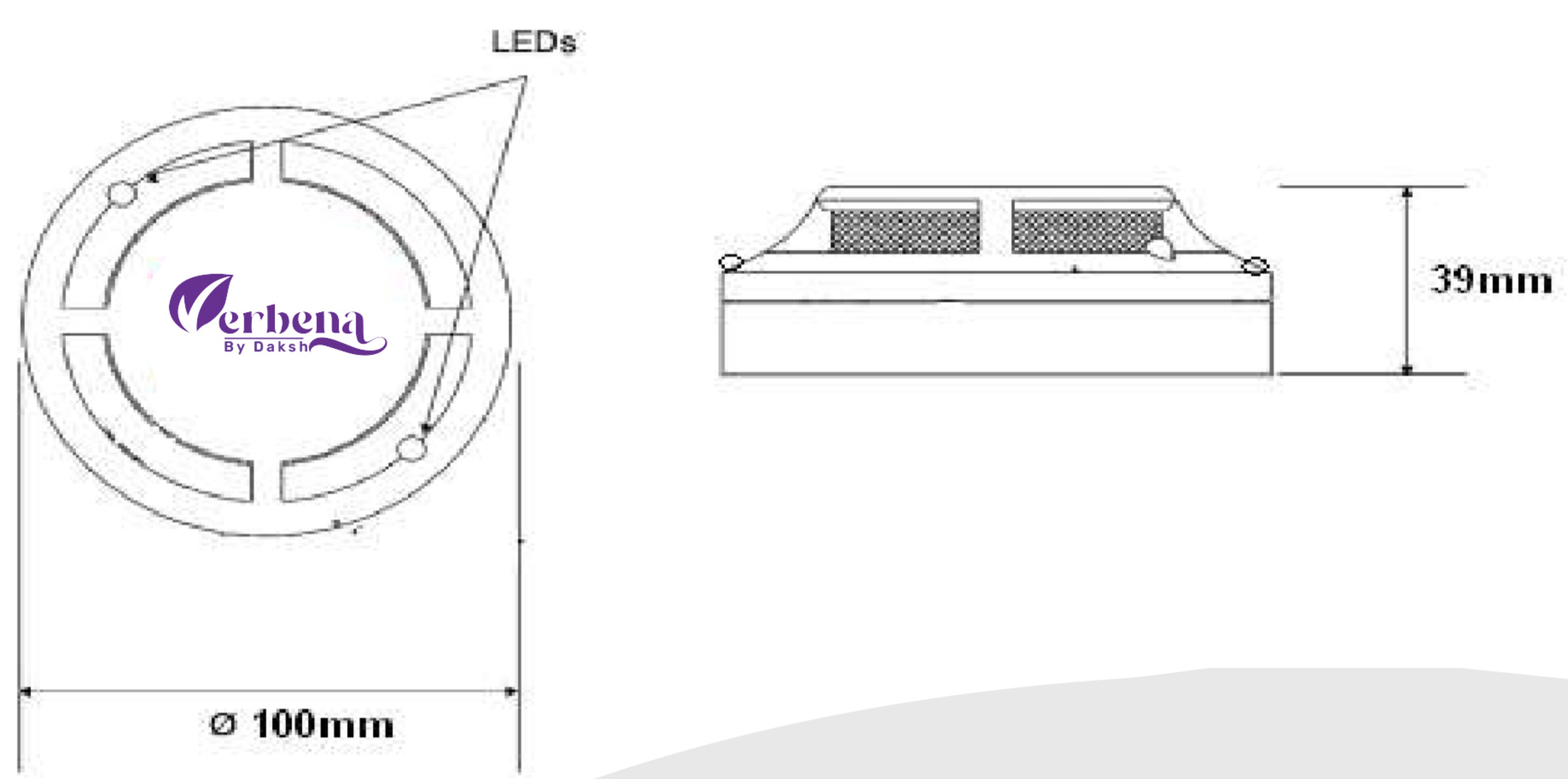
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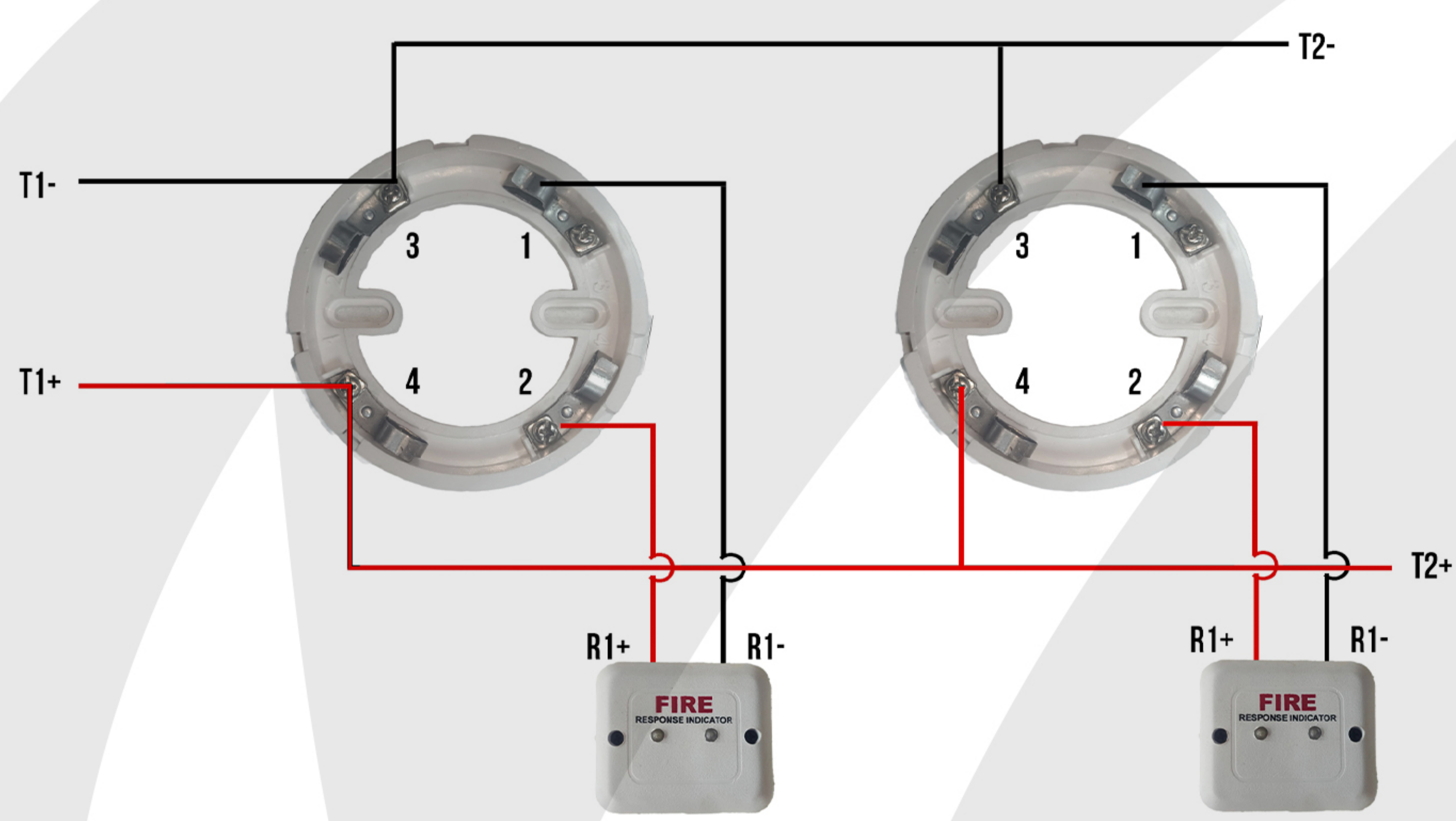
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ENGINEERING / ARCHITECTURAL DIAGRAM



WIRING DIAGRAM



- NO. FUNCTION
- 1 (RI+) RESPONSE INDICATOR
 - 2 (RI-) RESPONSE INDICATOR
 - 3 T - (LOOP IN/ LOOP OUT)
 - 4 T + (LOOP IN/ LOOP OUT)

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.