

## DESCRIPTION

---

The DE-CSD detector has been produced using the latest in design and manufacturing technique with the latest state of the art optical chamber. The detector provides efficient and accurate detection of fire with high level of resilience to non fire environmental influences.

The detector incorporates a bi-colour LED indicator which indicates 360° Visibility. The integral LED changes colour according to the detectors status, Green = Normal, Red = Alarm. This benefits the user by providing clear, instant visual indication of the detector's conditions.

The optical chamber is dustproof, mothproof; the stability of the product is assured from the above. It performs well in detecting visible as well as non visible smoke. It is suitable for detecting smoke in Houses, Stores, Hotels, and Warehouses etc.

## FEATURES

---

- Optical Smoke Detector;
- Microcontroller based highly reliable and reduce false alarms;
- Dual LED's for 360° Visibility.
- Sleek low Profile Housing Design.
- Large operating voltage range.
- Blinks Green in normal condition and steady Red incase of fire
- Easy installation.
- E.R.T.L. Approved, fully confirms IS: 2189



## ELECTRICAL SPECIFICATIONS:

---

Operating Voltage	10~32V DC (Nominal 12/24V DC)
Quiescent Current	20 $\mu$ A to 30 $\mu$ A (24V DC)
Current Consumption at Alarm Condition	50 mA (24V DC)
LED Indication	Blinks Green in normal condition and steady Red incase of fire
Installation method	Ceiling Mounted
Sensor Type	Infrared pair Sensor

## ENVIRONMENTAL SPECIFICATIONS:

---

Operational temperature range	-30°C to + 72°C
Operating Humidity	5 to 95% Relative Humidity (non condensing)

## MECHANICAL INFORMATION:

---

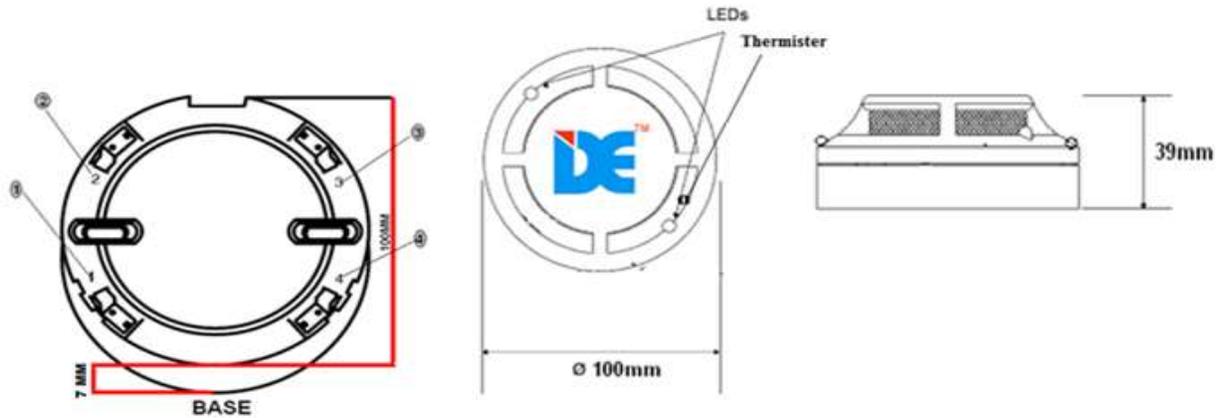
Height	39mm (46 mm with base)
Diameter	100mm
Weight	Approx 150g

Colour  
Housing

Cream White  
ABS Poly FR Grade

## ARCHITECT/ENGINEER SPECIFICATIONS

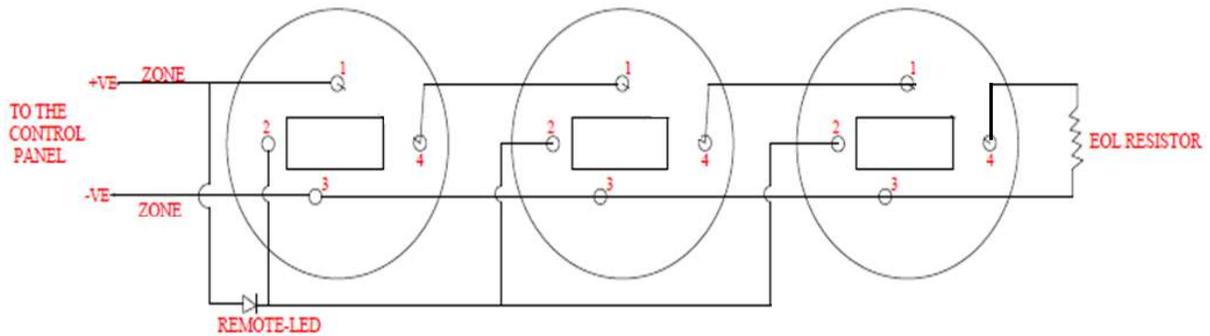
Conventional Smoke Detector (DE-CSD)



## WIRING DIAGRAMS

Conventional Smoke Detector (DE-CSD)

1. Choose suitable position to install the detector, normally on the ceiling of the center detecting area; fix the detector base on the selected position by screws, and then set the detector on it. Rotate and check whether it is firm.
2. Please connect the wires correctly as required.



### No. Function

- 1 Zone (+), Remote LED (+)
- 2 Remote LED (-)
- 3 Zone (-)
- 4 (+) output of current detector to Zone (+) input of next detector

## WIRE INSTALLATION:

- All the wire installation must accord with National and local effective laws and criteria.
- All wires must have the suitable size and must have colour coding to avoid connection errors. And unsuitable connection will lead to alarm error when Fire happens.

## NOTE:

- 
- The product should not be installed in the extreme hot or cold, high wind speed surroundings and in the conditions where there is often a lot of smoke or dust.
  - The detector needs to be tested every month.
  - To ensure its normal performance; please clean the detector surface with soft brush once every six months. Do cut off the power before cleaning.
  - If the detector is found to be defective, do not attempt to dismantle it by yourself. Please contact the after service center or distributor for professional servicing.
  - The product can reduce the possibility of accidents, but it cannot guarantee absolute safety. Besides using this product correctly.



**AN ISO:9001:2015  
CERTIFIED COMPANY  
EN 54-7**

H.O.:19, DSIDC, Computer Complex, Scheme-1, Okhla  
Industrial Area, Phase-2, New Delhi-110020 (India)

Tel: +91-11-26385033, 26385390, 46515680

Email: [ase99india@yahoo.co.in](mailto:ase99india@yahoo.co.in)

Web: [www.dakshglobal.com](http://www.dakshglobal.com)

**Works:** B-220, ELDECO, Sidcul Industrial Park, Phase-1,

Sitargnj, U.S. Nagar, Uttarakhand-262405 (India)

Tel: +91-11-26385033, 26385390, 46515680

Mob: +91-9811937979

Email: [h\\_kundu@dakshglobal.com](mailto:h_kundu@dakshglobal.com),

Web: [www.dakshglobal.com](http://www.dakshglobal.com)

**Note:** It is essential to ensure that only known compatible components are used in a fire detection system. If in doubt, always consult the fire control panel supplier/manufacturer.