DESCRIPTION

The DE-CHD detector has been produced using the latest in design and manufacturing technique with the latest state of the art technology. The detector is combined with the latest in thermal element technology, the detector provides efficient and accurate detection of fire especially in environments such as bars or kitchens where smoke detector are in appropriate due to high level of airborne contamination.

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.

It is suitable for detecting fire in Bars, Kitchens, Houses, Stores, Hotels, and Warehouses etc.

FEATURES:

- Fixed cum rate of rise in temperature Heat Detectors
- 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 in case of fire.
- Easy installation.
- fully confirms IS: 2189

ELECTRICAL SPECIFICATIONS:

Operating Voltage	10~32V DC (Nominal 12/24V DC)
Quiescent Current	20 µA to 30 µA (24V DC)
Current Consumption at Alarm Condition	50 mA (24V DC)
LED Indication	Blinks Green in normal condition and steady Red incase of fire
Temperature Range	57° C / 137°F, 9°C per minute (ROR)
Installation method	Ceiling Mounted
Sensor Type	High Density Heat Sensor

ENVIRONMENTAL SPECIFICATIONS:

Operational temperature range	-10˚C to + 65˚C
Operating Humidity	5 to 95% Relative Humidity (non condensing)

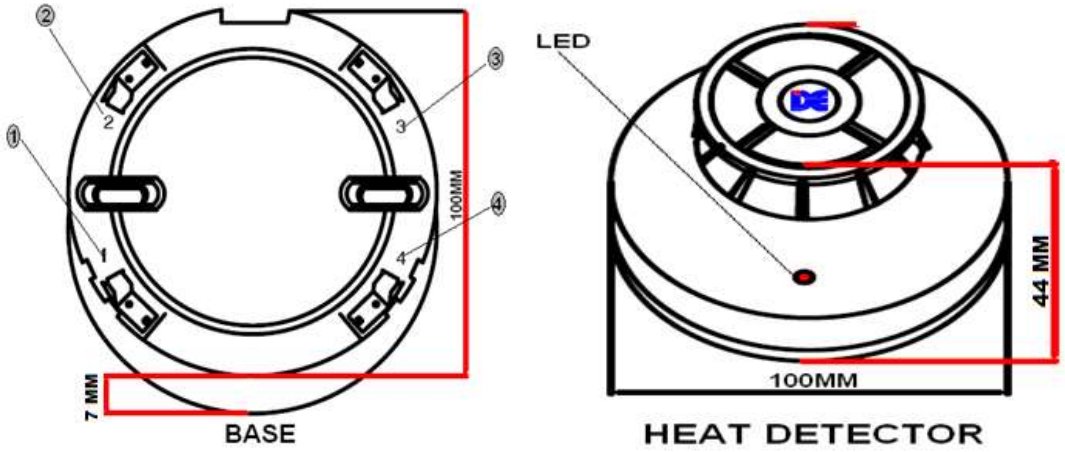
MECHANICAL INFORMATION:

Height	44mm (51 mm with base)

Diameter	100mm
Weight	Approx 150gm
Colour	Cream White
Housing	ABS Poly FR Grade

ARCHITECT/ENGINEER SPECIFICATIONS

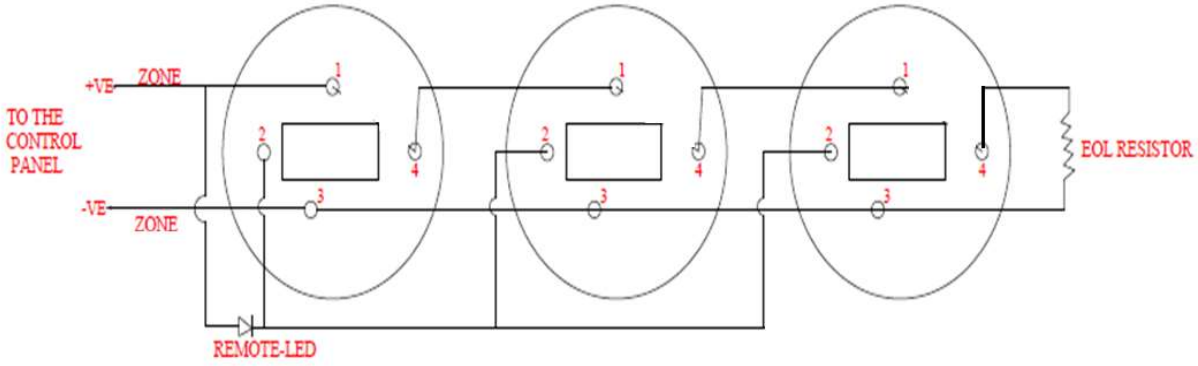
Conventional Head Detector (DE-CHD)



WIRING DIAGRAMS:

Conventional Head Detector (DE-CHD)

1. Choose suitable position to install the detector, normally on the ceiling of the center detecting area, fix the bracket on the selected position by screw, 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 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.

DAKSH ELECTRONICS (P) LTD.
One Source Complete Solution

AN ISO:9001:2015
CERTIFIED COMPANY
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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.