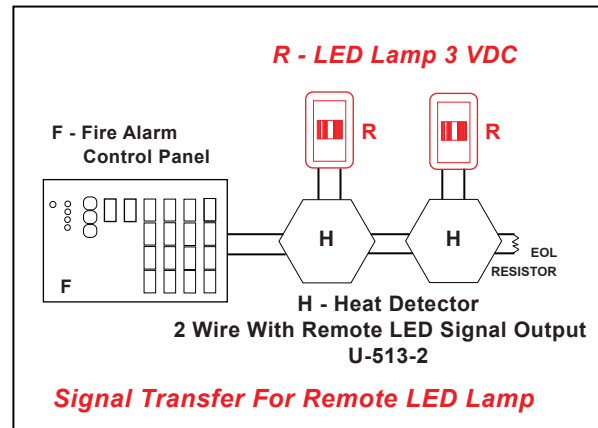# Combination Heat Detector U-513

Operation Theory

This product is a heat detector, which runs by inducting ambient temperature. Adopted advanced SMT processing technique and special structure design, it has the functions of dustproof, anti-electromagnetic interference and avoiding false alarm, the stability of the product is assured from the above. It is suitable for detecting temperature in houses, stores, hotels, and warehouses, etc.

U-513 Rate of Rise & Fixed Temperature Detector

Characteristics

- Highlight dual color LED indicator
- Current network output, 2 wire with remote LED signal output
- Low power consumption
- Network by current, N.O/N.C (optional)
- Power-off reset function

R - LED Lamp 3 VDC

F - Fire Alarm Control Panel

H - Heat Detector
2 Wire With Remote LED Signal Output U-513-2

Signal Transfer For Remote LED Lamp

Specification

Model / **Product**	**U-513-2 Wire** / **Combination Heat Detector**
Input Voltage	9-28VDC
Static Current	50±5uA (at DC24V)
Alarm Current	70±5mA (at DC24V)
Operating Temperature	0°C ~ + 85°C
Operating Humidity	≤90%RH
Installation	Ceiling mounted
Output / Wiring Mode	3 VDC Remote indicator lamp / 2 wire with remote LED signal output
Alarm Temperature	Rate-of-rise: 8-15°C/min & Fixed temperature: 57±6°C
Alarm Reset	Power off reset / Auto reset
LED Indicator	Detecting: Green LEDs flash / Alarm: Red LEDs ON
Material / Color	ABS Plastic / White Color
Dimension	$\varnothing$ 97 x 45 mm.

Effective Alert Area

Construction Height	4 m
Fireproof Building	60 m^2