

# Single Station Smoke Detector

## AHSS-871



### Operation Theory

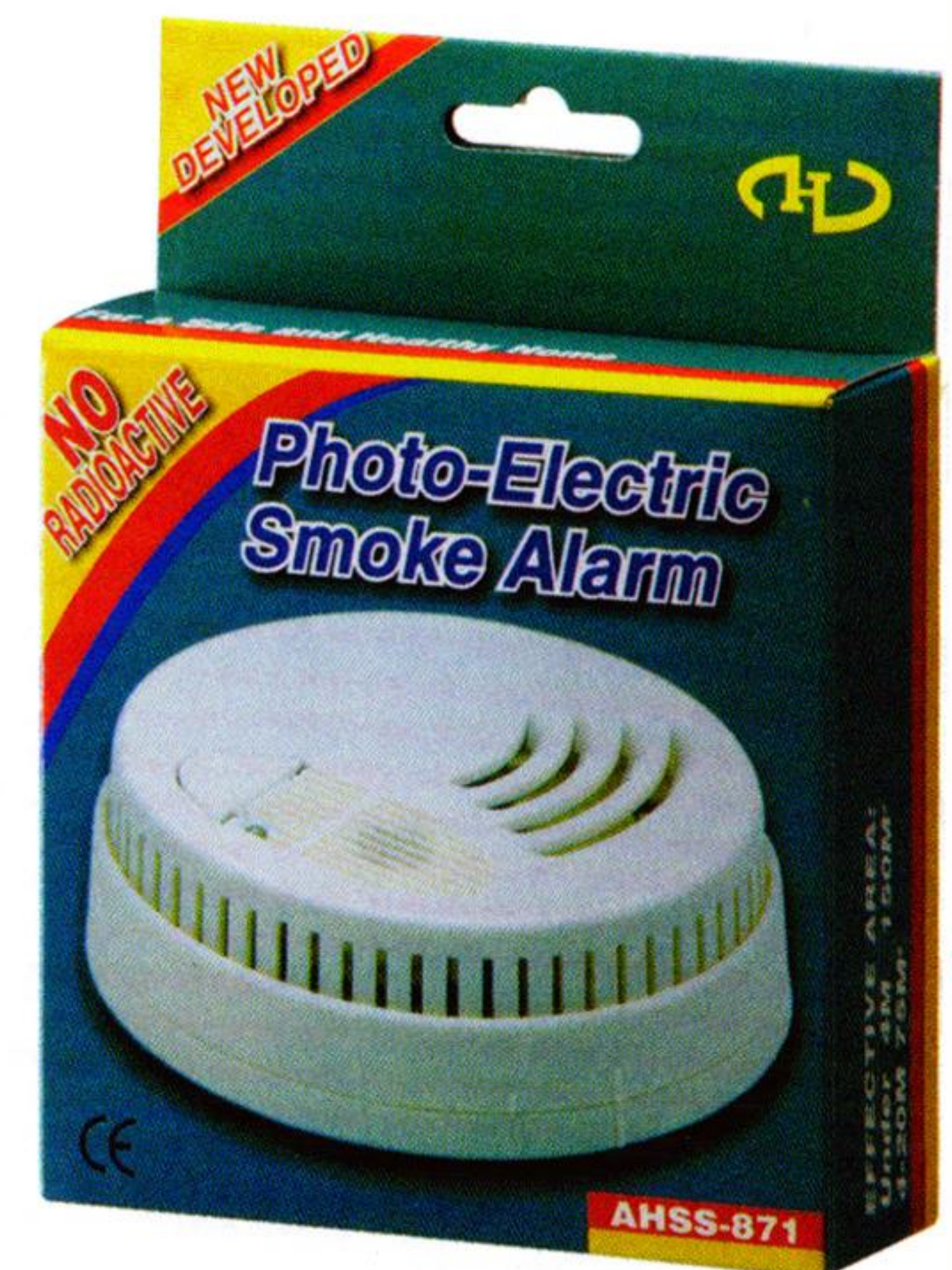
Once battery is conducted, detector will start normal operation after 25 seconds internal charge. When smoke density exceed preset standard during pre-fire period, the refraction phenomenon will caused by scattering light between receiver and transmitter inside the smoke chamber. Then initial the inspection system and issue alarm sound, which is pre-fire warning.

### Construction

Electronic circuit are mainly use ONECHIP HIBRID IC and SMT technology, low profile design, low power consumption, high precision and stability.

### Features

- Easy installation :  
Install directly to proper location without any wiring.
- Longer operating life :  
Minimum one-year battery life under normal operating.
- Low battery warning :  
Unit "beeps" every 20 seconds for at least 7 days to indicate battery needs replacing. Also, it will sound more than 4 minutes after alarm activation.
- Simple test method :  
Test button is located next to alarm indicator, press it for 2 seconds and hear the alarm sound to confirm the unit is under normal condition.
- Optional signal transfer function :  
Add signal transfer contact to active other relative systems. (Security unit or control equipment)



### Specification

Model	AHSS-871
Power	100 ~ 240VAC with 9V battery / 9V battery only Battery abnormal : beeps and flash every 20 seconds.
Operating Density	Comply to UL217, EN54, CNS
Operating Light	Standby : flash every 40 seconds    Alarm : flash and beep continuously
Sound	85db / 3M
Effective Alert Area	Under 4m : 150M <sup>2</sup> 4 ~ 20m : 75M <sup>2</sup>
Ambient Temperature	-10 °C ~ +55 °C
Material	Fire-proof plastic
Dimensions	120mm ( Dia. ) x 37mm ( H )
Weight	About 200g
Color	White
Optional Function	Type 1 : N / A Type 2 : includes signal transfer NO / NC contact Type 3 : build-in 100 ~ 240VAC plug Type 4 : Type 2 + Type 3