

# Single Station Smoke Detector



## 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 standby 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
Sensitivity Setting	Comply to UL217, EN54, CNS
Operating Light	Standby : flash every 40 seconds Alarm : flash and beep continuously Battery abnormal : beeps and flash every 20 seconds
Sound	85dB / 3M and above
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 COM. N.O. N.C. Type 3 : build-in 100 ~ 240VAC plug Type 4 : Type 2 + Type 3

## Effective Alert Area

Building Height	Area Covered
Under 4M	150 M <sup>2</sup>
4 ~ 20M	75 M <sup>2</sup>