



### Features

- ◆ 12VDC power input, can be combined with security/ burglar system
- ◆ Relay contact : N/C (normal/close)  
N/O (normal/open)  
alternative.
- ◆ With a button on the surface, when detector sense the smoke, the LED light up until press the button to reset.

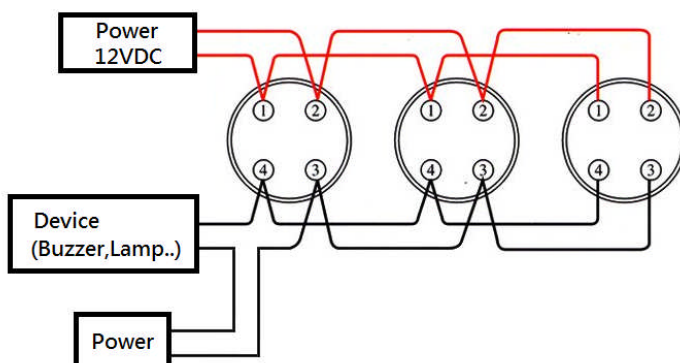
### Sensing way

Ionization smoke detector responds to smoke. It has an ionization chamber inside. The ionization chamber with ions in it will generate a constant, small electric current.

When smoke enters this detector, the smoke particles attach to the ions inside the chamber and neutralize them. That will cause the current inside the chamber drop, therefore trigger the detector alarm.

### Specifications

Model No	HC-202A Ionization Smoke Detector	Overall structure	
Rated voltage	12VDC	Material	Fire-resisting ABS material
Standby current	35 $\mu$ A	Joint contact	Copper (zinc-plated)
Alarm current	60mA	Color	Ivory
Suitable temperature	-15~50° C	<b>Notes</b> Prohibit from being installed at the places with large volume of smoke and steam lingering, and the inlet and outlet of cold and warm air.	
Suitable humidity	0~95% RH		
Size	103mm x 47mm		
Weight	140g		
Relay contact volume : DC 3~30V , 1A AC 100~220V , 1A			



- ◆ The red wires are the power source (12VDC) for detector.
- ◆ The black wires connect to the device to be driven.
- ◆ point 3 and point 4 are relay contact: 1A  
(NO or NC alternative)