

1. Overview:

AW-EXD101 explosion-proof point type photoelectric smoke detector, which explosion-proof performance in line with GB3836-2000 series of standards,

inspected by the state designated inspection units, and acquired explosion-proof certificate.

AW-EXD101 explosion-proof point type photoelectric smoke detector is suitable



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for 1 and 2 Zone hazardous locations which include Class II A, B, C class T1 ~ T6 temperature group explosive gas environment.

AW-EXD101 explosion-proof point type photoelectric smoke detector is non-coding switching (relay output) detector, can be used with any domestic and foreign manufacturers of fire alarm control panel. When smog concentrations exceed the set threshold value, the detector led is always lit and the controller sends alarm signals. Only if the system is reset and after short power down and power up again, light is blinking back (inspection).

AW-EXD101 explosion-proof point type photoelectric smoke detector uses a new type of scattering technology and imported to electronic devices.

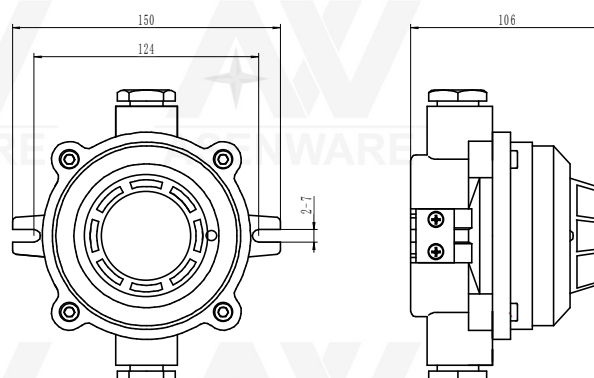
The reliability, stability and consistency are improved; Own a unique maze design, pest control, dust-proof and good anti-outside light interference performance; It has novel structure, beautiful appearance, stable and reliable performance, moisture resistance and good chemical resistance.

2. The Main Technical Parameters

1. Explosion-proof mark: Exd ib II CT6
2. Operating voltage: DC24V \pm 3V (polarity)
3. Monitoring Current: $\leq 150 \mu A$
4. Alarming Current: 10mA ~ 30mA
5. Alarm output form: normally open and closed, a pairs of dry contact output
6. Response threshold: 0.10dB / m ~ 0.27 dB / m structure.
2. Wiring :(see below)

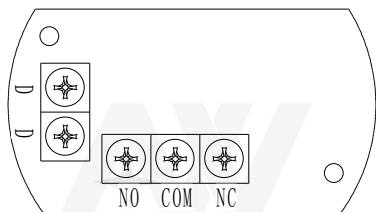
7. Alarm reset: power outages (10s Min, DC2.5V Max)
8. Power Time: $\leq 10S$
9. The highest wind speed: 7.6m / s (1500fpm)
10. Alarm confirmation light: red, flashing patrol, alarm always
11. protection area: When space height is 6m ~ 12m, a protected area of the detector 80m². When space height is 6m or less, protection area is 60m².
12. Working environment: Temperature: -10 °C ~ + 50 °C
Relative humidity: $\leq 95\%$ non-condensing
Atmospheric pressure: 80kPa ~ 110kPa
13. The outlet thread: G20
14. Weight: 1.2kg

3. Contour Map



4. Installation and Wiring

1. Installation: according to the site with the M6 screws through the mounting foot barrier detector explosion-proof housing is fixed to the ceiling. Introducing means using the cable clamping nut seal ring



DD: DC24V (non-polar); NO: normally open contact; COM: Common; NC: normally closed contact

3. Long-term use on a regular basis to detect performance of the detector is intact, such as failure or damage to the special Industry personnel.

AW-EXD101 type

Explosion-point type photoelectric smoke detector

Installation using SHEET



5. Notes

1. Strictly prohibited in flammable and explosive places live demolition.
2. Not to damage the surface explosion during installation, and keep it clean. Surface explosion fastening screws should be tightened evenly, do not pay attention to proof surface foreign material.