



### 1. Overview:

AW-EXM103 Explosion proof barrier is a kind of non-coding Explosion proof barrier , which performance is in line with GB3836-2000 series of standards, inspected by the state designated inspection units, and acquired explosion-proof certificate. Barrier is available in 1 and 2 Zone hazardous locations which include Class II A, B, C class T1 ~ T6 temperature group explosive gas environment.

AW-EXM103 Explosion proof barrier does not affect the normal operation of electrical equipment under normal circumstances, when the system fails, it can limit energy (electric power) that turn into dangerous place to a safe value. This product can be used with a variety of fire detectors, buttons and other electronic products. This product uses an advanced resistive, transistor dual electronic switching circuit, fast starting speed, extremely small output resistance, automatic recovery when the current or voltage input exceeds a predetermined value, the barrier start working, so that the output voltage is approximately zero, the current is reduced to a safe value.

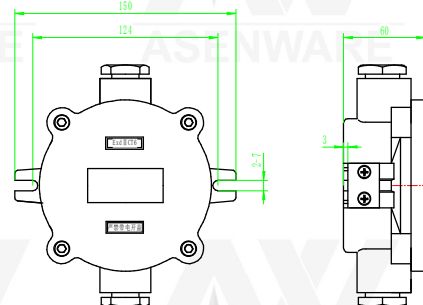
### 2. The Main Technical Parameters

1. Explosion-proof mark: Exd [ib] II CT6
2. Working voltage: DC24V
3. The maximum open circuit voltage:  $U_0 < 27V$
4. The maximum short circuit current:  $I_0 \leq 100mA$
5. Working Environment:  
Temperature:  $-20\text{ }^{\circ}C \sim +50\text{ }^{\circ}C$   
Relative humidity:  $\leq 95\%$  non-condensing  
Atmospheric pressure: 80kPa ~ 110kPa

7. Outlet thread: G20

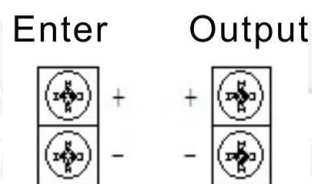
8. Weight: 1.2kg

### 3. Contour Map



### 4. Installation and Wiring

- 1, According to the site with the M6 screws through the mounting foot barrier explosion-proof housing is fixed to the ceiling or wall. Introducing means using the cable clamping nut seal ring structure.
- 2, Wiring methods: Loosen the screws explosion-proof enclosure, open the explosion-proof chamber, the cable connected to the terminal on the barrier (see below). Wires connected, the explosion-proof safety barrier cover installed.



Input for the power supply; intrinsically safe power supply output terminal

### 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.

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

AW-EXM103 explosion-proof barrier

Installation using SHEET

