QRR0.04G/S/SA-EC

AEROSOL FIRE SUPPRESSION DEVICE

(Din Rail Type Cabinet/Panel Fire Extinguisher)

INSTALLATION MANUAL

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Our Company have pass the ISO9001, 14001 and ISO18001, and is a TOP 10 China Fire Suppression Manufacturer.

⚠Please read this **INSTALLATION MANUAL** before use the product.

1. Fire Suppression Class

1.1 QRR0.04G/S/SA-EC Aerosol Fire Sticker (“Fire Sticker” for short) can suppress fire of Class A, Class B, Class C and Class E rapidly.
. Class A fire-------Solid Combustibles.
. Class B fire-------Flammable Liquids.
. Class C fire-------Flammable Gases.
. Class E fire-------Electrical Appliances.
1.2 The device is suitable for ambient temperature of -50℃ to +95℃ (in short time can reach +125℃), most suitable for small enclosure space fire protection, such as small electrical cabinet/panel, coffer, lithium battery etc.
1.3 The device is belongs to fixed type fire suppression system, it is a clean product with zero in Ozone-layer depletion, zero in Global Warming Potential, Zero in Atmospheric Life Time, it is also non-toxic, non corrosive, non-conductive and ECO-Friendly.

2. Structure and Working Principle:

PHOTO 1: Structure of QRR0.04G/S/SA-EC

2.1 Working Principle for Fire Suppression
When the device get activation signal from the thermal cord/thermal fuse, the aerosol agent/compound inside the device(aerosol generator) is activated, then rapidly cause aerosol particles gas and the gas running out from the discharging nozzle(side), to total flooding the fire protection zone(enclosure space), successfully suppress the fire.

3. Structure and Working Principle:

3.1 The device can be installed in din rail(slide rail) of the enclosure space.such as electrical cabinet, meter box, surge protection device, cuicuit breaker etc.
3.2 Installation size as below in photo 2 and photo 3.

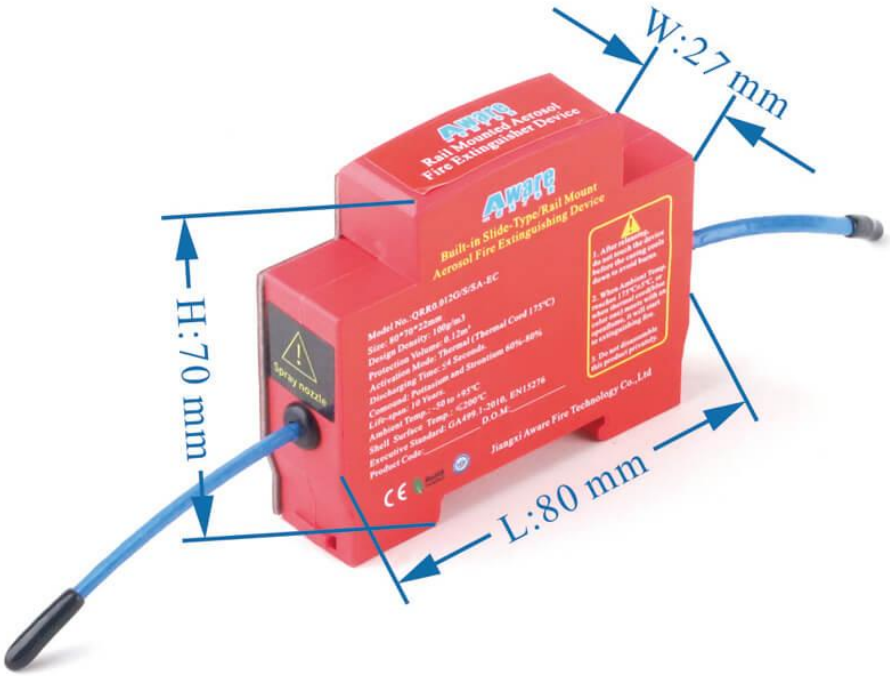

PHOTO 2: Installation Size of QRR0.04G/S/SA-EC

PHOTO 3: Din Rail/Slide Rail Installation Hole Position (Size)

PHOTO 4: Installation Rendering/Effect

4. Attention for Transportation, Store and Installation

4.1 Do not get close to heat source when it is being in transportation, store and installation, please avoid sunlight and rain.
4.2 Do not use the product when the outer shell of the aerosol generator is damaged.
4.3 Do not disassemble the device without the permission of the manufacturer.
4.4 When the fire extinguisher is discharging/releasing, personnel should not approach it.

5. Inspection

5.1 Please read carefully the installation manual before installation, and check the device and its accessories, install it after confirm of every components are good.
5.2 Inspection Method:
5.2.1 Appearance Inspection: check the appearance of the device, it should not drop paint, no indentation and no deformation, and accessories should be complete.
5.2.2 The product has passed strict factory inspection, however, the device and its accessories may be damaged due to various reasons during transportation; so when do installation, it is necessary to inspect each device according to above method.

6. Installation and Maintenance

6.1 Remove the fire extinguishing device and clamp the fire extinguisher onto the slide rail for installation; You can also follow the track of the slide and gently push it onto the slide.
6.2 When installation, you need to consider avoid high temperature areas above 95℃. there should be no obstacles within 0.1m in diameter of the aerosol device.
6.3 Do not disassemble the device without the permission of the manufacturer.The

thermal cord should be arranged along where the fire perhaps will occurs; it is forbidden to install it at the high temperature pipelines, in case of be activated by mistake.

6.4 After releasing, the shell/cylinder of aerosol device is super hot with high temperature, so it is forbidden to touch it, wait until it cools down before you can handle it.

6.5 During its valid time, it is no need to hold yearly quality inspection; The shell/cylinder of the aerosol device needs to be regularly cleaned of dust and dirty according to the actual situations; if it is found to be deformed or damaged, it should be replaced in time;

6.6 The related losses caused by abnormal installation, maintenance and use are not within the scope of the company's warranty.

7. Product Data sheet and Specifications

Item	Parameter
Model Number	QRR0.04G/S/SA-EC
Color	Red(Classical) or Black
Size	Φ80*27*70mm (See PHOTO 2)
Installation Hole Position/Spacing/Size	See PHOTO 3
Installation Mode	Din Rail/Slide Rail/Rail Mounted and/or 3Mdouble Tape Adhesive.
Aerosol agent Quality	40 grams
Design Density	100 (g/m^3)
Protection Volume	0.4m^3
Thermal cord rated temperature	≤175℃
Releasing Time	Less than 15 Seconds.
Ambient Temperature/Working Temp.	-50℃ to +95℃.
Relative Humidity	95% non-condensing
Life-Time(Life-Span)	10 Years
Main Application	Electrical cabinet, control panel, circuit breaker, surge protection device, Transformer Switch, Inpuse Relay etc.

Please consider the environment before using the paper!