

Fire Alarm System

The Intelligent Solution



Models Available

- ASD91 Photoelectric Smoke Detector
- AHD92 Rate-of-Rise Thermal Detector
- ACP94 Manual Call Point
- AIM95 Loop Isolator Module
- ARM96 Input/Output Module
- AZM97 Interface Module
- ASM98 Input Module
- ANS99 Sound Strobe
- DB90 Detector base
- AFP901/901A Single Loop Fire Alarm Panel
- ARP910 Repeater Panel
- APT920 Hand help programmer



RiSol Tech Ltd is a security industry and a trusted provider of comprehensive fire system solutions around the world. To ensure superior product quality, it has advanced manufacturing and inspection equipment and strong capabilities in quality control and process management.

Professional high knowledge in fire alarm detection system, which allowed our factory specialize in OEM/ODM products range of fire alarm systems include:

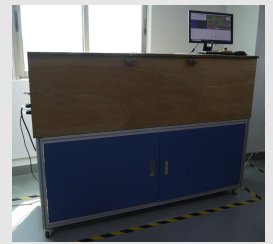
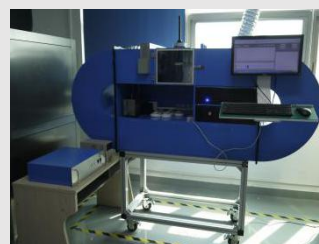
1. Intelligent addressable fire alarm system.
2. Conventional fire alarm system.
3. Intelligent wireless fire alarm system.
4. Alone stand detectors.
5. Extinguishant control system.

RiSol Tech handles most processes of the manufacture, from design, to assembling, to QC, and package.

Our factory works with 4 SMD lines consist of the placement machines and reflow soldering, one wave soldering equipment. With capability of placing over 140,000 components per hours, the placement machines can offer the PCBA of 10,000 pcs detectors and 1,000 panel per day. We are especially proud of our fire testing room. It owns a number of testing equipment, such as UL-standard fire testing tunnel, EN-standard testing tunnel, temperature humidity test chamber, Long distance aging test board, Drop test machine, Key life test machine, etc.

This allows us to guarantee our products continue to meet the highest quality standards.

Our goal is, Providing the customer with Right Solution in fire alarm field.



Intelligent Fire Alarm Panel



Overview

AFP900 Intelligent Fire Alarm Control Panel includes AFP901 and AFP901A. AFP901 is single loop with 125 points panel, possible to be expanded the single loop with 250 points version AFP901A. They are suitable for small buildings like office, restaurant, store, shop, etc., provide simple installation, operation, and easy maintenance.

Features

- Wide range power supply,90-270VAC, 50-60Hz..
- Capacity 125 addressable devices,Expanded to 250 addressable devices.
- Compatible with Risol intelligent and digital products.
- 8X16 characters LCD screen.
- Non-Volatile memory ensures the data does not loss even if power supply is accidentally removed.
- Dimension: 400mm*315mm*90mm.
- Weight:4.8kg(without batteries).
- Material of case: Metal.

Intelligent Addressable Smoke Detectors



Overview

ASD91 intelligent optical smoke detectors adopt the latest digital loop protocol, compatible with Risol intelligent fire alarm control panels. With digital communication, the detectors can raise fast alarm and much more control can be processed.It is designed based on light scattering technology with high performance chamber, suitable for detecting slow burning or smoldering fires The detectors can be installed onto the common detector base DB90. A remote indicator can be connected to each detector.

Features

- Electrically addressed, can be modified by programmer.
- Strong environmental adaptability due to drift compensation.
- Self-diagnostic.
- Fire LED allows 360° viewing.
- Communication:2 wires,Non-polarized.
- Dimension: Φ98*47 mm(with base).
- Weight:127g(with base).
- Material of case: ABS.

Intelligent Addressable Heat Detectors



Overview

AHD92 intelligent heat detectors adopt the latest digital loop protocol, compatible with Risol intelligent fire alarm control panels. With digital communication, the detectors can raise fast alarm and much more control can be processed. The AHD92 heat detector can provide FT & RR fire alarm by analyzing the temperature status by semiconductor heat sensor.

The detectors can be installed onto the common detector base DB90.

A remote indicator can be connected to each detector.

Features

- Electrically addressed, can be modified by programmer.
- Self-diagnostic.
- Rate-of-Rise thermal detector, A2R Class
- Fire LED allows 360° viewing.
- Communication: 2 wires, Non-polarized.
- Dimension: $\Phi 98 \times 47$ mm (with base).
- Weight: 120g (with base).
- Material of case: ABS.

Addressable Manual Call Point



Overview

ACP94 manual call point adopts the latest digital loop protocol, compatible with Risol intelligent fire alarm control panels.

The manual call point is semi-flush mount type. A back box is supplied for surface mounting.

Features

- Electrically addressed, can be modified by programmer.
- Re-settable (non-breaking glass) via special key.
- Dual activation indication.
- Friendly installation and test.
- Wiring before termination.
- Communication: 2 wires, Non-polarized.
- Dimension: 85mm*85mm*38mm (with base).
- Weight: 125g (with base).
- Material of case: ABS.

Addressable Sounder Strobe



Overview

ANS99 addressable sounder strobe can give audile and visual notification signal when activated by Risol intelligent fire alarm control panel, to draw attention or evacuate in case of emergency.

Features

- Electrically addressed, can be modified by programmer.
- Plexiglas lens, hi-light red, striking, long-life.
- Sound level over 85dB/3m.
- Strobe signal strength over 75cd.
- Two part plug in structure for easy installation.
- Communication: 2 wires, Non-polarized.
- External power supply: 16 to 32VDC.
- Dimension: 136mm*117mm*52mm(with base).
- Weight: 132g(with base).
- Material of case: ABS.

Addressable Loop Isolator Module



Overview

AIM95 Loop Isolator module is the protection facility for addressable loop, can isolate the shorted circuit from the complete loop to ensure normal operation of other parts and locate the isolated part. The isolator module is applicable to all kinds of loop fire alarm systems, suitable for Class A and Class B.

Features

- Polarity-sensitive external connections.
- Delayed power-up to output end devices, avoids strong transient current when the load is heavy.
- Plug-in structure.
- Dimension: 85mm*85mm*40mm(with base).
- Weight: 112g(with base).
- Material of case: ABS.

Addressable Input/Output Module



Overview

ARM96 input/output module is suitable to drive conventional notification devices or other power required equipment in 4-wire mode by external 24VDC power supplying, and also possible to provide dry contact output in loop powered mode. Maximum 2A output current can be controlled in 4-wire mode. This module also has acceptable functionality, for receiving normally-open contact signal. For normally-open signal, the input cable can be monitored with EOLR.

Features

- Electrically addressed, can be modified by programmer.
- Self-diagnostic
- LEDs for active and input indication.
- Two part plug-in construction with base mounted termination allows easy installation and connection.
- Intelligent interface can be addressed and plugged in to base at time of commissioning.
- Dimension: 85mm*85mm*40mm(with base).
- Weight: 118g(with base).
- Material of case: ABS.

Addressable Input Module



Overview

ASM98 input module is loop powered, for receiving normally-open contact signal. For normally-open signal, the input cable can be monitored with EOLR.

Features

- Electrically addressed, can be modified by programmer.
- Self-diagnostic.
- LEDs for run and input alarm indication.
- Two part plug-in construction with base mounted termination allows easy installation and connection.
- Intelligent interface can be addressed and plugged in to base at time of commissioning.
- Dimension: 85mm*85mm*40mm(with base).
- Weight: 126g(with base).
- Material of case: ABS.

Addressable Interface Module



Overview

AZM97 interface module is designed to connect conventional detectors into addressable system, powered by external 24VDC. Maximum 30 conventional detectors can be connected to in each zone.

It is also useful to monitor equipment status with both active and fault signals

Features

- Electrically addressed, can be modified by programmer.
- Self-diagnostic
- LEDs for run and alarm indication
- Two part plug-in construction with base mounted termination allows easy installation and connection
- Intelligent interface can be addressed and plugged in to base at time of commissioning.
- Dimension: 85mm*85mm*40mm(with base).
- Weight:128g(with base).
- Material of case: ABS.

Hand Held Programmer



Overview

APT920 hand held programmer is the programming tool for all Risol addressable devices and some of conventional devices. It is also the tool to set sensitivities, working modes and other parameters.

Features

- Hand held unit, portable tool
- Convenience operation
- Quadruple digit alphanumeric LCD display
- Low-consumption hibernation and power saving function
- Low battery indication
- Dimension:164mm*77mm*26mm.
- Weight:240g (with barreries,4*1.5V AA size batteries) .
- Material of case: ABS.

Repeater Panel



Overview

ARP910 repeater panel is a remote indication unit of Risol addressable system. In case of fire, the repeater panel will display the fire type, time and location details together with sound for local notification. This addressable repeater is possible to be connected with Risol addressable panels through RS485 links or addressable loop.

Features

- LCD display with backlight
- Compatible with all Risol intelligent panels
- Mute and lamp test
- Electrically addressing
- Dimension: 250mm*175mm*51mm.
- Weight: 1.5kg.
- Material of case: Metal.

System Application Diagram

