



Product Catalogue

Fire Detection System

AICO

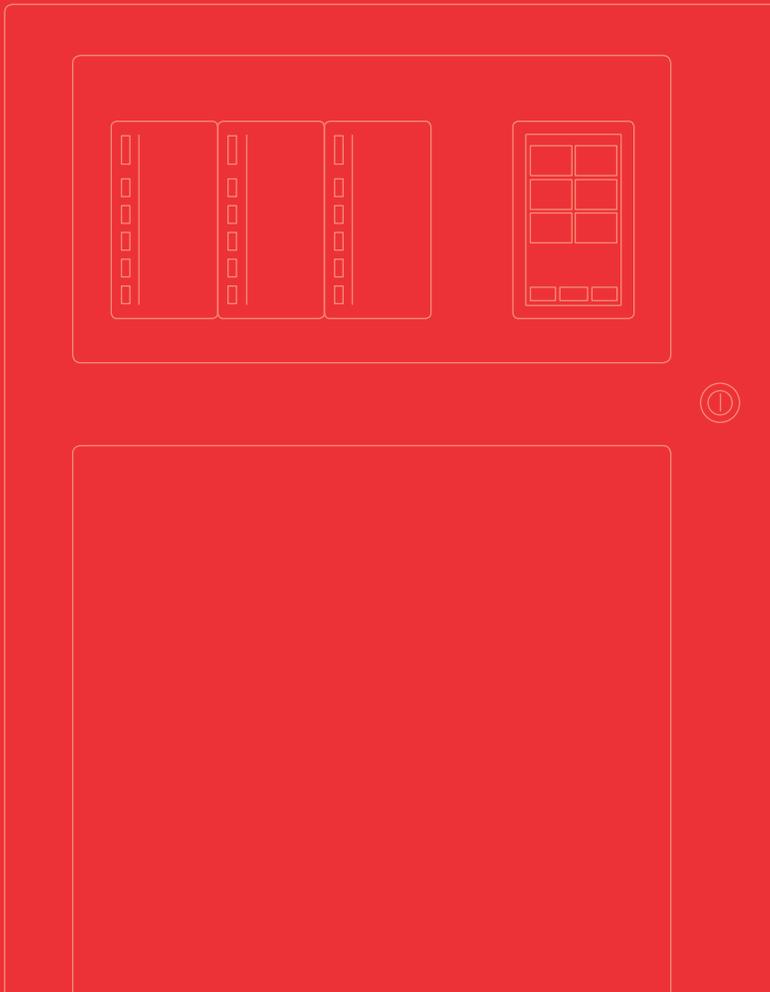
intelligent solutions



Alco is one of the leading intelligent solution providers of Fire Detection System, Security System and Public Addressing System in the United States of America. Based in California since 1992, we have grown to deliver the most innovative building management solutions (BMS) for commercial and industrial establishments around the globe.

Alco is committed to deliver effective solutions that can help our customers. Our supplied products are designed to cater our customers in the most effective manner and we take that responsibility very seriously. Our smart and effective Building Solutions has given us an opportunity to diversify and explore new business opportunity in the market and we are extremely delighted to penetrate successfully in various large and medium scale projects.

FIRE ALARM SYSTEMS





Alco

intelligent solutions

Alco is a revolutionary and start of the art provider of Fire Detection System. It consists of a fully approved product list of fire detection range and all our quality products are designed in the USA. All our products are designed to appeal the end user and installer and we are up to date with the changing fire detection technologies making our products very easy to operate for all our clients.

Our comprehensive range of Fire products includes:

- Detectors (Smoke, Heat, Gas, Carbon Monoxide)
- Manual Call Point
- Alarm Sounder
- Fire Control Panels (2 Zone - 16 Zones)
- Exit and Emergency Lights





ALCO For Commercial Sector

The ALCO Fire Detection range comprises a solution for all commercial environments. Bringing intelligent fire detection technology into these public spaces, used by millions each day, will ensure a safe and secure environment and our detection range is already successfully installed in many offices, shopping centers, hospitals, schools and other commercial sectors around the globe.



ALCO For Residential Sector

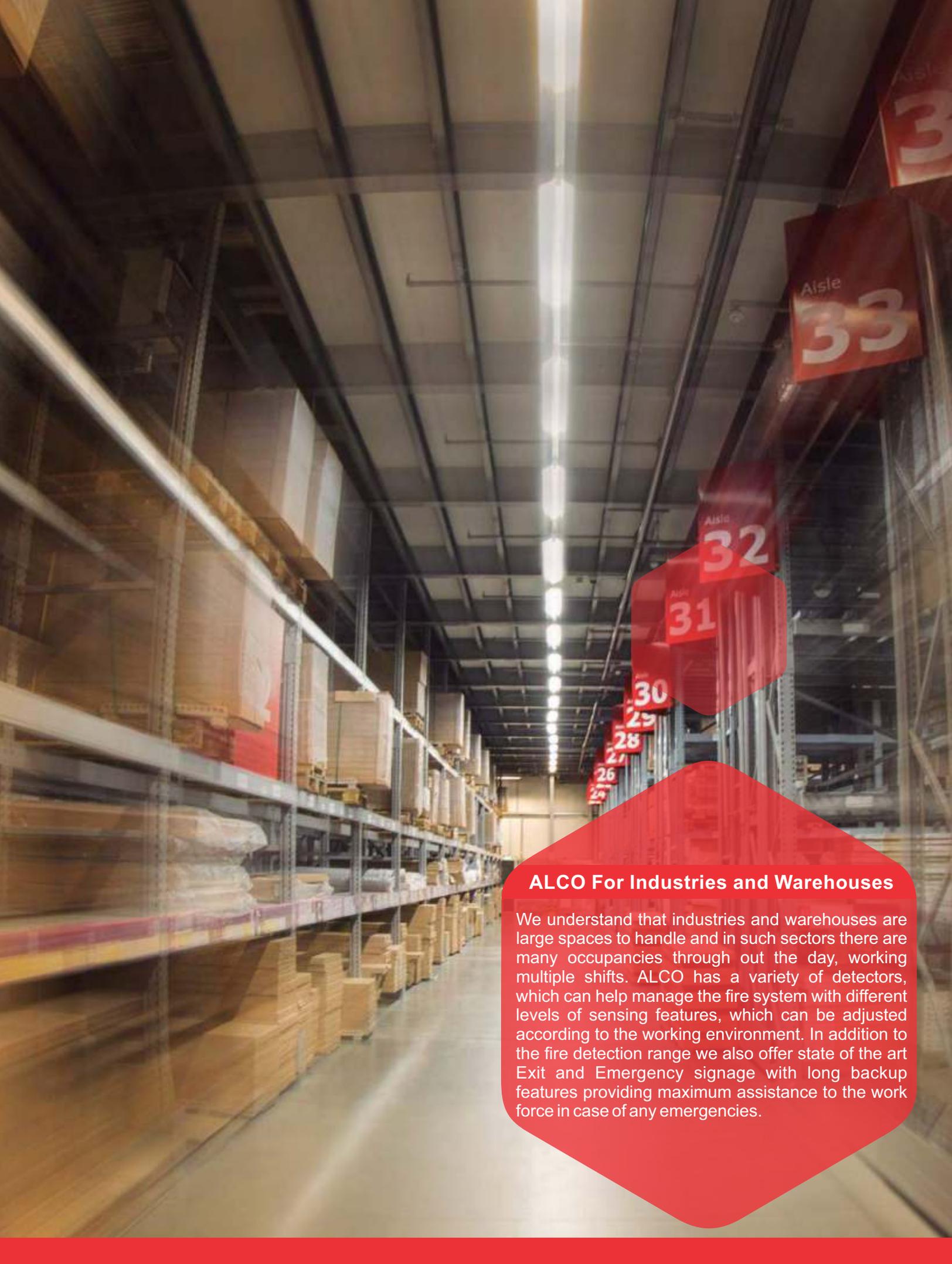
ALCO understands the importance of safety and keeping your property, home and businesses safe is our prime focus.

All of our products are very easy to understand and install and with a little help and training any one can use our specialized products. We have carefully understood the term "Easy to Use, Out of the Box" for all our clients.



ALCO For Corporate and Retail Environments

We understand the fact that fire alarm system can be tricky in an office or corporate environment. False Alarming is a major issue when fire system is installed within such working premises and this can result in being an expensive drill as well as time consuming. Our intelligent fire detection system consist of Detectors which are able to sense and understand the level of intensities before triggering the alarms and our Manual Call Points are not just resettable type but also comes with a protective cover to avoid false alarm situation.



ALCO For Industries and Warehouses

We understand that industries and warehouses are large spaces to handle and in such sectors there are many occupancies through out the day, working multiple shifts. ALCO has a variety of detectors, which can help manage the fire system with different levels of sensing features, which can be adjusted according to the working environment. In addition to the fire detection range we also offer state of the art Exit and Emergency signage with long backup features providing maximum assistance to the work force in case of any emergencies.

ALARM BELL

Model No: CFS-AB300



General Information

Alco Alarm Bell has a conventional physical designed and an advance design with an in built LED Light. It provides high volume indication bell in case of emergency.

The alarm bell is integrated with the Alco Fire Alarm Control Panel, which can be further referred in order to locate the effected zone(s).

MAIN FEATURES:

- Operational Voltage: 24VDC
- Current: 200mA
- Output Sound: 110 dB
- Colour: Red



OPTIONAL ALARM SOUNDER AND FLASHER

- LED Indicator: Red



EN54 Approved **FC** **CE**

MANUAL CALL POINT

Model No: CFS-MCP300



General Information

Alco Resettable call point is designed to have a physical presence that can be located from approximately 8 meters distance.

When activated, the manual call point interrupts the polling cycle for a fast response and a front reset mechanism allows for a quick and simple reset.

MAIN FEATURES:

- Operational Voltage: 24VDC
- Current: 30mA
- Standby Current: 50uA
- Colour: Red, Green

Type:

- Resettable

Technical Features:

- Flush or Surface mount option available
- IP54 – IP67 approved rating for installation in different environmental conditions.
- Protective flap to help avoid accidental activation of fire system.
- Size: 88x88x55 mm (LxWxH)
- Reset Mode: Plastic Key



FIRE ALARM CONTROL PANEL

Model No: CFS-FAP3004, CFS-FAP3008, CFS-FAP3016



General Information

Alco Fire Alarm Control Panel Series is a 24 Volt, 4 to 16 Zones Conventional Panels. Designed exclusively to meet the latest market requirements and future ULC codes. This highly cost effective series can be used in a variety of low to high sized applications.

Alco Fire Alarm Control Panel series includes a separate bell alarming in each zone and indication of points. It has a 48 to 72 hours power backup support. The Fire Panel also has a short / open circuit indications LED display / power fault, zone isolated test.

MAIN FEATURES:

- Operational Voltage: 220VAC, 50Hz.
- System Power: 3.0Amps.
- Charging Capability: 18AH
- Colour: Red

Type:

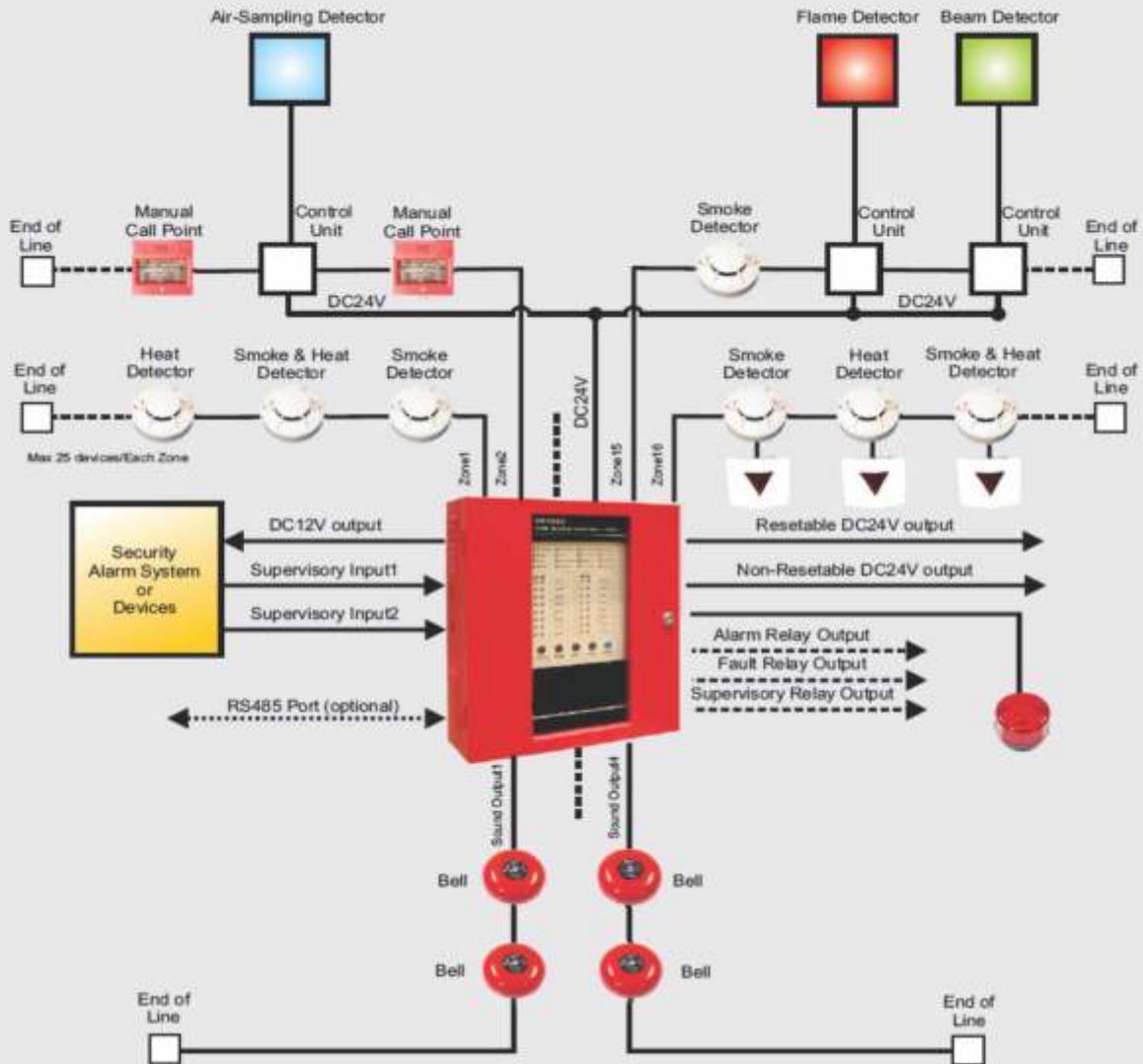
- Resettable

Technical Features:

- Four, Eight, Sixteen Zone Style B (Class B) Initiating Device Circuits (IDCs).
- Two Supervisory Input with DC12V output, ideal to connect security alarm devices.
- Three General Alarm, Trouble and Supervisory from a relay output.
- One, Two, Four built-in Sound Output, Style Y (Class B) Notification Appliance (Signal) Circuits (NACs), NACs may be programmed: silence able or non-silence able.
- 3.0 Amps of total system power. Resettable DC24 & Non-Resettable DC24V output.
- Zone Input Short Circuit can be set to "Alarm" or "Fault" mode.
- RS485 Communication Port (optional).



EN54 Approved **FC** **CE**



Technical Features:

- Alco Manual Call Points and Smoke Detectors cannot be connected on the same cable.
- Alco Flasher has to be connected on a separate cable.
- Alco Alarm Sounders have to be connected on the special sounder output zones.
- A maximum of 25 devices is supported on a zone. This means that a maximum of
- 25 Smoke Detectors, Manual Call Points or Sounders is allowed.
- A maximum length of 1200m for each cable is allowed (ideally).

FIRE ALARM CONTROL PANEL

Model No: CFS-FAP4002, CFS-FAP4004, CFS-FAP4008



Compatible Repeater Panel

Model No. CFS-R4000

General Information

Alco Fire Alarm Control Panel Series is a 24 Volt, 2 to 16 Zones Conventional Panels. Designed exclusively to meet the latest market requirements and future ULC codes. This highly cost effective series can be used in a variety of low to high sized applications.

Alco Fire Alarm Control Panel series includes a separate bell alarming in each zone and indication of points. It has a 48 to 72 hours power backup support. The Fire Panel also has a short / open circuit indications LED display / power fault, zone isolated test.

MAIN FEATURES:

- Operational Voltage: 220VAC, 50Hz.
- System Power: 3.0Amps.
- Charging Capability: 18AH
- Colour: White

Type:

- Resettable

Technical Features:

- Up to 16 detection zones
- Up to 32 non addressable devices per alarm zone
- Three access levels
- Manual activation of audio/visual alarm devices
- 2 programable fire alarm relay outputs
- 3 voltage free inputs for remote reset, evacuation start/stop and day/night mode
- Supports up to 7 repeater panels >



EN54 Approved **FC** **CE**

EXIT LIGHTS

Model No: CFS-EXT300, CFS-EXT301L, CFS-EXT302R, CFS-EXT303LR, CFS-EXT304D



General Information

Alco provides a complete range of Exit Lights as an integral part of Fire Detection System, which has a number of varieties in terms of signage.

Our Exit Lights consist of a conventional indication sign, Exit Light with arrow options, specially designed to be used in different situations in order to indicate with accuracy.

MAIN FEATURES:

- Operational Voltage: AC 220V, 3W
- Batter: Ni-Cd 3.6, 600mAh
- Light Source: 8 Ultra LEDs for basic model
- Backup Duration: More than 90 min
- Switching Time: ≤ 0.1 Sec
- Left Arrow, Right Arrow, Arrows on Both Sides, Down Arrow



EMERGENCY LIGHTS

Model No: CFS-EMG300



MAIN FEATURES:

The Emergency Light is capable to switch between the lamps and has the ability to switch either one LED lamp or both based on personal preference. This Emergency Light is suitable for wall mounting.

- Lighting Source: Led
- Lighting Wattage: 3w
- Backup Time: Upto 3 Hours (Fully Charged)
- Power Source: Ni-cd (6v, 2.8ah)
- Unit Size: 270x310x75 (mm)



HEAT DETECTOR

Model No: CFS-HD300



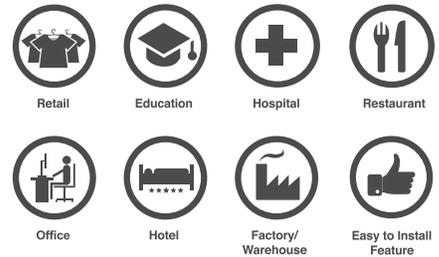
General Information

Alco Heat Detector is designed to use a single thermistor in order to sense the air around the detector. It is ideal in environments, which are smoky and dusty under normal conditions.

The heat detector is designed in such a way that it is unaffected by atmospheric pressures or wind and makes it more ideal to use and error free.

MAIN FEATURES:

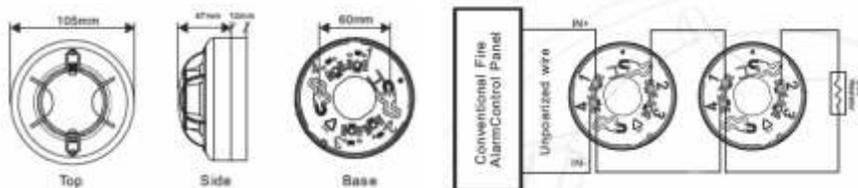
- Wire: 2 wire model (4 wire also available)
- System Voltage: 9V-28VDC
- Standby Current: 40uA
- Alarm Current: 30mA
- Temperature Range: -10°C ~ 50°C
- Humidity Range: 10%~ 93%
- Fixed Temperature Range: 57°C
- Installation Height: 3- 5 Meters (Recommended)
- No. of Detectors per Zone: 20-25 (Recommended)
- Weight of smoke and heat: 155g



Model No:
CFS-HD301



Technical Diagram:



EN54 Approved **FC** **CE**

SMOKE DETECTOR

Model No: CFS-SD300



General Information

Alco optical smoke detector is a 2-wire type detector (also available in 4 wire). The innovative 300 series detectors have been carefully designed in order to sense both slow and fast developing fires with the help of optical sensing chamber along with a refined signal processing technology.

MAIN FEATURES:

- Wire: 2 wire model (4 wire also available)
- System Voltage: 9V-28VDC
- Standby Current: 60uA
- Alarm Current: 30mA
- Temperature Range: -10°C ~ 50°C
- Humidity Range: 10%~ 95%
- Fixed Temperature Range: 57°C
- Installation Height: 3- 5 Meters (Recommended)
- No. of Detectors per Zone: 20-25 (Recommended)

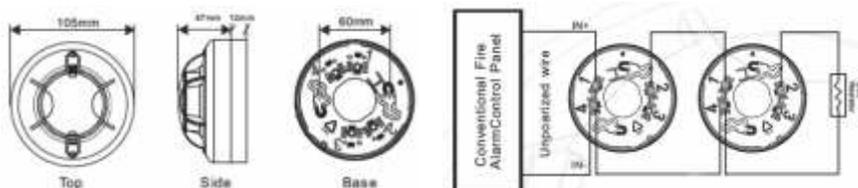


Smoke + Heat Option

Model No:
CFS-SHD300



Technical Diagram:



EN54 Approved **FC** **CE**





San Carlos Business and Technology Park,
Industrial Road, CA 94070 - USA
Email us at enquiry@alcosolutions.net
Web: www.alcosolutions.net