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® **LICHFIELD**
FIRE & SAFETY
EQUIPMENT
CO. LTD.
LIFECO UNITED KINGDOM

LIFECO PRODUCT
CATALOGUE

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LIFECO

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Mission

LIFECO's management and employees have a clear mission to ensure superiority and distinction in products and services, and thus guarantee customer satisfaction

Vision

To serve the demand of our customers with high quality products and services with ethical responsibility & commitment to professionalism.

About Us

Lichfield Fire & Safety Equipment Co. Ltd. (LIFECO), LIFECO has been a global leader in supplying products covering the full range for fire detection, prevention, extinguishing and suppression system. LIFECO, with its world headquarters is located in United Kingdom and is well poised to serve a variety of International markets in addition to fulfilling the local market demand.

LIFECO serves Civil Defence, Industrial, Commercial and Consumer markets with its wide range of quality and innovative products. LIFECO is represented globally with its well knit National and International infrastructure dealer network. The Company's strengths are underpinned by a highly skilled workforce, and a diverse range of quality products and services that aims to provide a 'one stop shop' to satisfy all of our Customers Fire and Life Safety requirements.

Lichfield Fire & Safety Equipment Co. Ltd. (LIFECO) has remained at the forefront of the Fire Fighting Equipment market by constantly striving to provide innovative solutions and services that surpass Customers' expectations and by tirelessly seeking to improve quality standards. To this end, the company maintains a quality management system ISO 9001:2008, accredited by BSI (British Standards). In addition LIFECO products, where applicable, hold accreditations issued by major inspection organisations such as Loss Prevention Certification Board (LPCB), Kitemark, FM Approvals and Underwriters Laboratories (UL). It has been a global leader in supplying products covering the full range for fire detection, prevention, extinguishing and suppression system. Our diverse range of products continues to be refined and evolved to meet its customer needs. LIFECO is centrally located within the United Kingdom, but due to the exceptionally high demand for its products and services in the MENA region, LIFECO expanded and establish its sales and distribution office in Dubai for providing its customers with the increased sales support, and a faster delivery schedule.

Management Philosophy

Excellence in products and services delivered to customers is the top priority for LIFECO. LIFECO believes that high-quality production and service from its staff is facilitated by a healthy workplace - a work environment that is flexible, encourages open communication, recognizes good work performance and respects the differences and rights of individuals. LIFECO follows the below management principles.

High-end products and services
Compliance with international standards
Strict quality control
Timely delivery
Strict SLA – give no promises that cannot be kept
Health and safety compliance and commitment
Flexible work environment
Working to the budget
Monitoring Progress against the programme
Keeping the customer aware on all issues with transparent and honest information
Final customer satisfaction

The Right Resources

The LIFECO team is comprised of diverse range of highly trained and well experienced people ranging from engineering, marketing, designing and sales team allowing LIFECO to provide a full integrated solutions in fire protection industry.

Services
Design Engineering

Design engineering services are a vital part of LIFECO's core business. LIFECO can provide the most cost effective solution for your fire systems to ensure compliance with international design.

LIFECO's integrated approach to provide advanced design engineering services to its customers is backed by its skilled consultants and over a decade of experience. This helps us provide a holistic approach to our customers enabling them to establish the right fire protection system that can combat their fire risks effectively and innovatively.

LIFECO's core competencies include:

Fire Sprinkler Systems
- New and Current Construction
- Industrial-Commercial-Residential-Retail-Government
- Fire Protection Underground
- Backflow Preventers
- Inspection/Testing/Maintenance per NFPA 25

Fire Alarm
- New and Existing Construction
- Testing
- Cabling
- Commissioning
- Project Management

Fire Extinguishers
- Annual Inspections
- Tagging
- Recharging
- New Equipment
- Clean Agents
- Hydrostatic Testing

Life Safety Management
- Security
- Loss Prevention
- Monitoring/MNS
- Surveillance

Fire Protection System Maintenance Consultancy

LIFECO's maintenance consultancy service helps companies plan and implement maintenance management systems to meet the needs of the organizations. We develop efficient, cost-effective maintenance strategies and procedures aimed at minimising downtime while keeping safety, environmental and production impact issues at the forefront of all maintenance activity planning.

Our consultants have a range of experience and expertise and are skilled in the practical implementation of solutions. As a company we offer a range of services either partnering with associate organisations or managing and leading our own associates independently. Services we provide include:
- Maintenance Consulting
- Maintenance Strategies
- Business Process Consulting and Documentation
- Work Management Workflow Design
- Data Quality Analysis

Many a time organisations ponder over the worthiness of going for maintenance consultancy; the answer is a resounding 'yes'. By helping an organisation put in the right fire protection systems and processes into place, LIFECO ensure that maintenance can enhance an organisation's economic value by safeguarding assets and reducing downtime in case of a fire risk occurrence.

System Integration and Project Management

LIFECO has vast engineering expertise with many years' experience in providing fire protection to a diverse range of facilities. These include Oil & Gas, Power Generation, Commercial Developments, Airport Hangers, Hospitals, Schools, Government buildings, to name but a few. We can provide engineering solutions and system integration for any Fire Risk.

LIFECO have selected experienced fire protection engineers and project managers to provide assistance from the design and procurement phase right through to installation and commissioning.

With over a decade of experience in fire protection engineering design, LIFECO is a highly acclaimed UK brand in the fire protection industry for product development and product engineering services spectrum, with a reputation in innovation, quality and end-to-end product ownership.

LIFECO's service offerings are aligned towards developing innovative products at cost effective prices within the shortest time to market. With our wealth of expertise in engineering domains, we are in a strong position to offer fire protection engineering design solutions that combine aesthetics, functionality and manufacturability.

Manufacturing and Supply

Global manufacturing and supply is at the heart of our commitment to help people do more, feel better and live longer. Our global supply strategy is designed to make sure that we are operating a lean and efficient network while ensuring compliance with rigorous quality, safety and environmental standards.

Continuous improvement of overall performance is ensured through an Operational Excellence program. The manufacturing process also includes tests and checks for quality assurance during or after the manufacturing and planning the production process prior to manufacturing and its priorities are focused on compliance, new product launches and productivity.

Activity

Firefighting equipment, sprinkler system, FM200 system, addressable fire alarm system, conventional fire alarm system, extinguisher, hose reel, hose cabinet, fire pump, fire engine, fire protection valve, fire engineering, nozzles, motor, dry barrel hydrant, indicator post.

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LIFECO Eagle

Features

UL 864 9th edition Listed	500mA of auxiliary power available rated at 24 VDC
2 loop (FN-2127 Series) or 4 loop (FN-4127 Series) versions	Loop Explorer Windows® configuration utility
Analog design using LIFECO's advanced DCP protocol for fast and robust communication	500 network wide software zones
	Network Capability of up to 64 panels
Up to 127 sensors & modules, plus 127 analog sounder bases, for a total of 254 points possible per loop	RS485 slave bus for expansion - up to 32 FN-4127-IO boards or up to 15 LE- FN-LCD-S serial annunciators and up to 17 LE-FN-4127-IO boards
Uses standard wire, no shielded or twisted pair required on SLC loops	Auto-learn feature
	Fire Drill test function
Supports Class B (style 4) and Class A (style 6 or 7) SLC loops	Walk Test function
	Alarm Verification feature
4 on board Class B (style Y) NAC circuits rated at 2.5 Amps each	FireNET is UL listed for Central Station Service, Remote Station Service when used with the Bosch D9068 contact dialer
Programmable sensitivity levels per device & automatic day/ night sensitivity modes	Operates on 120VAC or 240VAC input voltage
Automatic daily calibration & drift compensation routine	Powerful & versatile Cause & Effect programming (up to 500 maximum, network wide) including:
Large 8-line x 40-character LCD display (320 char.)	*Cause & Effect action
Dual RS-485 bus for panel network	*Disable function configuration
2 built-in RS-232 interfaces for programming via a PC and serial printer interface	*Test mode configuration
5 on board programmableForm C relays rated at 1 amp at 30VDC (Fire1, Fire2, trouble, supervisory, aux.)	

Description

The EAGLE SERIES control panel is an analog addressable fire alarm panel containing 2 or 4 SLC loops with each loop supporting 127 devices of any combination (sensors or modules), and 127 analog sounder bases, for a possible total of 254 points.

Communication between devices is transferred through standard cable (shielded or twisted pair is not required). Each panel includes a 5.25 amp power supply and has 4 on board NAC circuits. An RS-485 bus provides communication to the panel network, while the RS-232 interface allows the convenience of programming via a PC.

The system will support a variety of LIFECO devices: photo, ion and heat sensors, which contain a unique, patented sensor design incorporating automatic drift compensation and day/night sensitivity mode. Additional devices include contact monitors, relay controllers, supervised auxiliary output and short circuit isolator modules. In addition, interfaces to conventional detection systems can be established by using a conventional zone-monitoring module.

The Loop Explorer Windows® Software interface provides the installer with fingertip access to installation programming and diagnostic tools.

An Auto-learn feature offers the convenience for quick start applications. Add to this a reputation for high quality and dedicated service makes this an exceptional product both in performance and value.

Features

320 character liquid crystal display (8 line x 40 character)	Supports user codes & firefighter key to enable access & controls
LED indicators for Fire, Supervisory Alarm, Pre-Alarm, Fire Output Active, Power On, On Test, Panel Sounder Silenced, Delay Active, More Events, Point Bypassed, General Trouble, Power Trouble, System Trouble & NAC Trouble	Powered by FireNET Aux 24VDC or UL fire listed Aux. 24VDC supply
	Available in red or charcoal, and can be surface or flush mounted (using trim ring)
Dual RS485 ports for primary fire network	
RS485 slave bus for expansion - up to 31 LE-FN-4127-IO boards or up to 15 LE-FN-LCD-S serial annunciators and up to16 LE-FN-4127-IO boards	True network annunciator, any or all panels can be routed to the LE- FN-LCD-N. In addition, each event category can be individually routed to the LE-FN-LCD-N
2 built-in RS-232 interfaces for programming via a PC and serial printer interface	Up to (64) FireNET panels & LE-FN-LCD-N's can be networked together in any combination
4 on board programmable Form C relays rated at 1 Amp at 30VDC (Fire, Supervisory, Trouble & Auxiliary)	500mA of auxiliary power available rated at 24VDC
	Auto-learn feature
Same controls as the FireNET fire panel (Reset, Panel Sounder	Built-in help & alarm information screens
Silence, Lamp Test, Alarm Silence, Re-sound Alarm, Fire Drill, Programmable Function, More Events, More Fire Events, Enter & Exit)	Fire drill function
	Each LE-FN-LCD-N is completely independent resound, any or all panels on the network in any combination
Local piezo sounder for event notification	

Description

The LE-FN-LCD-N type LCD network annunciator is designed to be used with the FireNET analog addressable system. It allows for remote access, monitoring & control of the FireNET system throughout the building. The LE-FN-LCD-N is a true network annunciator that can access, monitor & control any or all FireNET panels in the network. Each LE-FN-LCD-N is completely independent. The highly intuitive user interface and 320 character LCD display of the LE-FN-LCD-N is exactly the same as the FireNET panel.

In addition to routing any panel in the network to the LE-FN-LCD-N, every event category within each panel can also be individually routed, as well as routing of all remote control functions (reset, alarm silence, re-sound alarm) from individual panels. The LE-FN-LCD-N supports the same RS485 expansion port as the FireNET panel, allowing for FireNET expansion boards and accessories to be connected to the network annunciator.

The LE-FN-LCD-N also has (4) output relays for fire, supervisory, trouble & auxiliary. The relays are programmable (except supervisory). Security is established by the use of a password or firefighters enable key. Designed to be aesthetically pleasing, the LE-FN-LCD-N is available in charcoal grey or red and can be surface or flush mounted using a standard trim ring kit.

Model No: LE-FN- LCD-S-R

Features

UL 864 9th edition Listed	Resides on the FireNET slave RS-485 line
Large 320 character liquid crystal display (8 line x 40 character) allows viewing of system status	Local piezo sounder for event notification
LED indicators for Fire, Supervisory Alarm, Pre-Alarm, Fire Output Active, AC Power On, On Test, Panel Sounder Silenced, Delay Active, More Events, Point Bypassed, General Trouble, Power Trouble, System Trouble & NAC Trouble	Supports user codes & firefighter key to enable access & controls
	Powered by FireNET Aux 24VDC or UL fire listed Aux. 24VDC supply
Same controls as the FireNET fire panel (Reset, Panel Sounder Silence, Lamp Test, Alarm Silence, Re-sound Alarm, Fire Drill, Programmable Function, More Events, More Fire Events, Enter & Exit)	Available in red or charcoal, and can be surface or flush mounted
	Built-in help & alarm information screens
Up to 15 LE-FN-LCD-S serial annunciators may be connected to a FireNET control panel or network annunciator	Fire drill function

Description

The LE-FN-LCD-S serial annunciator provides a convenient and cost effective remote annunciator solution. Up to 15 LE-FN-LCD-S annunciators can be connected to the slave RS-485 port of the FireNET control panel or network annunciator. The LE-FN-LCD-S's large 320 character display and navigation buttons are a complete mimic of the FireNET control panel display. The use of a common interface allows the user to easily operate the LE-FN-LCD-S as if he were operating the FireNET control panel directly.

Photoelectric Smoke Sensor
Model No: LE-ALN-V

Features

Low profile - Only 2.00" high, including base
Simple and reliable device addressing
Automatic compensation for sensor contamination
Built-in fire test feature
Uses the noise-immune Digital Communication Protocol (DCP), which utilizes interrupts for fast response to fires
Two built-in power/alarm LEDs
Programmable non-polling LEDs
Non-directional smoke chamber
Vandal resistant security locking feature
Removable smoke labyrinth for cleaning or Replacement

Description

The LIFECO's LE-ALN-V Photoelectric Smoke Sensor is particularly suited to detecting optically dense smoke typical of fires involving materials such as soft furnishings, plastic, foam or other similar materials which tend to smolder and produce large visible smoke particles. LIFECO's unique design allows fast response to flaming fires as well as smoldering fires while preventing false alarms.

Heat Detector
Model No: LE-ATJ-EA

Features

Low Profile - Only 2.0" high, including base
Simple and reliable device addressing method
Uses the noise immune Digital Communication Protocol (DCP), which utilizes interrupts for fast response to fires
Adjustable threshold temperature 135°F - 150°F (determined by panel)

Description

The LIFECO LE-ATJ-EA Sensor provides accurate temperature measurement data to the fire alarm control panel. This sensor is particularly suited to environments where smoke detectors are unsuitable because of the presence of system or cooking fumes such as in a kitchen.

Multi-Criteria Detector
Model No: LE-ACC-V

Features

Low Profile - Only 2.23" high, including base
Simple and reliable device addressing method
Automatic compensation for sensor contamination
Built-in fire test feature
Uses the noise immune Digital Communication Protocol (DCP), which utilizes interrupts for fast response to fires
Two built-in power/alarm LED's
Non-directional smoke chamber
Vandal resistant security locking feature
Removable smoke labyrinth for cleaning or replacement
Compatible with the analog sensors

Description

The Lifeco LE-ACC-V Multi-Criteria Smoke Sensor is particularly suited for detecting smoke produced by a wide range of combustibles found in various applications. Temperature monitoring is achieved by a thermistor placed for optimum sensitivity. Lifeco unique design allows fast response to flaming fires as well as smoldering fires while minimizing false alarms.

Analog Sensor Base
Model No: LE-YBN-NSA-4 and the LE-HSB-NSA-6

Features

UL Listed
Designed for use with all LE-NS analog sensors
Available in 4 and 6 inch models
Contains a security locking tab for tamper protection

Description

The LIFECO LE-YBN-NSA-4 and the LE-HSB-NSA-6 mounting bases are electronics free and contain a simple rugged design with screw terminals for wiring connections. A common mounting base allows sensor interchange and maintains loop continuity when sensors are removed. A simple anti-tamper head locking system is provided which is enabled by removing a small plastic tab on the back of the sensor. Once locked, the head can only be removed using a small diameter screw driver.

Analog Sounder Base
Model No: LE-ASB

Features

Programmable evacuation codes - Continuous, March, ANSI Temporal patterns
Base learns the sensor address and assumes an upper range address (128-254)
Up to 127 sensors and 127 ASBs can be used on one SLC loop
Can be alarmed or reset by zone or by individual address
ASB SLC loop wire resistance = 50 ohms Max. (total SLC wire run length)
High sound pressure level (85dB SPL at 10 feet)

Description

The LE-ASB Analog Sounder Base is designed for use with LIFECO analog sensors LE-ALN-V, LE-ACC-V, and LE-ATJ-EA. Each addressable base is to be connected to a LIFECO Eagle DCP Signaling Line Circuit (SLC). The LE-ASB provides an audible alarm in the immediate vicinity. Typical applications are hotels, apartments, and hospitals.

Photoelectric Smoke Detector (D6)
Model No: LE-SLR-24V

Features

Low profile, 1.8" high (with base)
2 or 4 wire base compatibility, relay bases available
Highly stable operation, RF/Transient protection
Low standby current, 45µA at 24VDC
Two built-in power/sensitivity supervision/alarm LEDs
Non-directional smoke chamber
Vandal resistant security locking feature
Built-in magnetic go/no go detector test feature
Removable smoke labyrinth for cleaning or replacement
Automatic Sensitivity window verification function meets outlined requirements in NFPA 72, Chapter 2 & 7, Inspection, Testing and Maintenance
Compatible with LE-SIJ-24 ionization detectors
Backwards compatible with LIFECO LE-SLK and LE-SIH detectors

Description

The LE-SLR-24V can be used in all areas where Photoelectric Smoke Detectors are required. The patented smoke chamber makes the LE-SLV-24V well suited for fires ranging from smoldering to flaming fires. LE-NS-4 Series, LE-NS-6 Series, LE-HSC-4R or LE-HSC-xxx R Style bases may be used with the LE-SLV-24.

Photoelectric Smoke Detector (D2)
Model No: LE-SLV-24N

Features

Low Profile - Only 2.0" high, including base
Simple and reliable device addressing method
Automatic compensation for sensor contamination
Built-in fire test feature
Uses the noise immune Digital Communication Protocol (DCP), which utilizes interrupts for fast response to fires
Two built-in power/alarm LED's
Programmable Non-polling LED's
Non-directional smoke chamber
Vandal resistant security locking feature
Removable smoke labyrinth for cleaning or replacement
Compatible with LE-ALN-V Photoelectric detector & the LE-ATJ-EA heat detector
Smoke chamber design reduces the susceptibility to nuisance alarms caused by steam

Description

The LE-SLV-24N can be used in all areas where Photoelectric Smoke Detectors are required. The patented smoke chamber makes the LE-SLV-24N well suited for fires ranging from smoldering to flaming fires. LE-NS-4 Series, LE-NS-6 Series, LE-HSC-4R or LE-HSC-xxx R Style bases may be used with the LE-SLV-24.

Heat Detector (FT/ROR)
Model No: LE-DCD-135/-190

Features

Choice of fixed temperature/rate-of-rise 135°F or 190°F heat detector
UL Listed spacing up to 60' by 60'
2 or 4 wire base compatibility, relay bases available
Highly stable operation, RF/Transient protection
Low standby current, 35µA nominal
Two built-in power/alarm LED's for 360° viewing
Fully electronic operation
Power/alarm LED's confirm detector status
Compatible with LIFECO LE-SLR-24V and LE-SIJ-24 detectors and their bases

Description

The LE-DCD-135/-190 fixed temperature/rate-of-rise heat detector are suited for installation where high heat output fires are expected or in areas where ambient conditions would not allow use of other detection methods.

Heat Detector (FT)
Model No: LE-DFE-135/190

Features

Choice of fixed temperature - 135°F or 190°F
UL Listed ceiling spacing of 50' by 50' (2,500 square feet)
Self-Restoring
Heat element protected by a built-in guard
Contact Rating of 100 ma
Highly Dependable
Latching LED base available

Description

The LE-DFE 135/190 fixed temperature heat detector is suited to alarm in the presence of slowly rising temperatures. The construction of this model incorporates an oversized heat collector protected from damage by the built-in, durable plastic guard.

Rate of Rise Thermal Detector
Model No: LE-DSC-EA

Features

The LE-DSC features a slim design which combines visual appeal with a high standard of reliability
The design of the LE-DSC enables the detector to operate in locations where the temperature is likely to increase suddenly should a fire develop
The operating characteristics of LE-DSC is a key feature of the product enabling a very cost effective solution for the use of heat detectors. This detector consumes no current in standby, which enables an unlimited number of detectors to be connected on the same detection wires
With connection to the standard LIFECO range of conventional bases, the LE-DSC heat detector can be connected or disconnected very easily, allowing simple interchangeability with other members of the LIFECO conventional detectors

Description

The DSC rate of rise heat detector is suitable for use in most applications that require heat detection. Please note that special attention should be given to avoid installation in direct line with hot air heaters, above stoves, ovens or other heat generating objects.

Multi – Criteria Detector
Model No: LE-SLR-24H

Features

Low profile, 2.2" high (with base)
2 or 4 wire base compatibility, relay bases available
135°F Fixed Temperature heat sensor (Latching)
Heat sensor protected by a built-in guard
Highly stable operation, RF/Transient protection
Low standby current, 45µA at 24VDC
Two built-in power/sensitivity supervision/alarm LED's
Non-directional smoke chamber
Vandal resistant security locking feature
Removable smoke labyrinth for cleaning or replacement
Automatic Sensitivity window verification function meets outlined requirements in NFPA 72, Chapter 2 & 7, Inspection, Testing and Maintenance

Description

The LE-SLR-24H can be used in all areas where Photoelectric Smoke Detectors are required. The wide range smoke chamber makes the LE-SLR-24H well suited for fires ranging from smoldering to flaming fires. LE-NS-4 Series, LE-NS-6 Series, LE-HSC-4R or LE-HSC-xxx R Style bases may be used with the LE-SLR-24H.

Conventional Detector Bases
Model No: LE-NS6 and LE-NS4 Series

Description

The LE-NS6 and LE-NS4 Series is designed specifically for use with Lifeco Conventional Models LE-SIJ-24 Ionization Smoke Detector, LE-SLR-24V Photoelectric Smoke Detector, LE-SLR-24H Photoelectric with Heat Smoke Detector, LE-SLR-835 Photoelectric Smoke Detector, LE-SLR-835H Photelectric Smoke Detector w/heat, or LE-DCD-135/190 Fixed Temperature/Rate-of-Rise Heat Detector.

Conventional Detector Bases
Model No: LE-HSC-224R, LE-HSC-220R and the LE-HSC-221R

Description

Models LE-HSC-224R, LE-HSC-220R and the LE-HSC-221R are designed specifically for use with the Lifeco Conventional Models LE-SIJ-24, LE-SLR-24V, LE-SLR-24H LE-SLR-835, LE-SLR-835H or LE-DCD-135/190. The LE-HSC-4R is designed specifically for 24 volt 4 wire applications using Lifeco Conventional Models LE-SIJ-24, LE-SLR-24V, LE-SLR-24H, LE-SLR-835, LE-SLR-835H or LE-DCD-135/190.

Conventional Sounder Base
Model No: LE-SBC

Features

Wide operating voltage
Selectable Evacuation Codes: continuous or temporal
Three different configurations: individual, group, and global modes
High sound pressure level (85 dB at 10 ft.)
Can be configured to satisfy a wide variety of applications

Description

The Models LE-SBC Conventional Sounder Base Series are designed specifically for use with LIFECO EL-NS conventional style smoke detector LE-SLR-24V Photoelectric Smoke Detector. The SBC Series will provide an audible evacuation signal (continuous or temporal Code) upon detector alarm. Easily configured to 12 or 24-volt applications through use of a dipswitch, the bases can also be configured to activate in individual, group, or global modes.

Projected Beam Smoke Detector
Model No: LE- SPC -24`

Features

Microprocessor based for reliability
Simple setup & alignment with signal strength LED's
Provides 60 feet on center linear protection at a range of 32.8 feet to 328 feet
Automatic compensation for signal drift or dirty lens
Three field adjustable sensitivity settings
Form A alarm and Form B trouble contacts
Calibrated filters available to verify sensitivity
Color-coded emitter and receiver labels for easy recognition

Description

The LIFECO LE-SPC-24 Projected Beam Smoke Detector shall be installed in accordance with the Installation Instruction Guide provided with every unit. Refer to the applicable NFPA Standards for additional guidance on spacing, irregular ceiling surfaces and other design considerations.

Addressable Duct Detector
Model No: LE-DH- 99A/AR

Features

Detects and limits the spread of smoke throughout building HVAC ducts
Compatible with building automation and fire alarm systems
Installs quickly and easily
No screens or filters to clean
Rugged gray steel back box with clear cover
Accessories - Remote LED alarm indication capability (LE-DH-99-AR only)
Meets UL 268A Requirements

Description

The LE-DH-99 Analog duct smoke detector provides early detection of smoke and products of combustion present in air moving through HVAC ducts in Commercial, Industrial and Residential applications. The LE-DH-99 is designed to prevent the recirculation of smoke in areas by the air handling systems, fans and blowers. The LE-DH-99-AR is provided with output terminals for remote accessories such as a remote status indicators and reset key switches or push buttons. Complete systems may be shut down in the event of smoke detection. The LE-DH-99-A and the LE-DH-99-AR operate on a DCP powered loop (24 VDC source required for LE-DH-99-AR).

Conventional Duct Detector
Model No: LE-DH-98

Features

Detects and limits the spread of smoke throughout building HVAC ducts
Ability to interconnect (all relays operate with a single alarm) up to 30 units using the same independent power supply
Compatible with building automation and fire alarm systems
Installs quickly and easily
Interchangeable "Plug-In" photoelectric or ionization heads
No screens or filters to clean
Cover provides magnet window and placement guide for operational testing without disassembly
Rugged gray steel back box with clear cover
Accessories - Remote power, remote alarm indication capability and remote, horn/piezo capability
Meets UL 268A Requirements

Description

The LIFECO LE-DH-98 Duct Smoke Detector provides early detection of smoke and products of combustion present in air moving through HVAC ducts in Commercial, Industrial and Residential applications. The LE-DH-98 is designed to prevent the recirculation of smoke in areas by the air handling systems, fans and blowers. Complete systems may be shut down in the event of smoke detection.

Fast Response Contact Module
Model No: LE-DCP-FRCMA/-I

Features

Single input contact monitor
Fast, reliable contact monitoring utilizing the LIFECO DCP (Digital Communications Protocol)
Two different mounting configurations
127 devices can be used per DCP loop
Bi-colored indicating LED provides module status (Both Models)
Yellow LED indicates a short circuit condition (LE-FRCMA-I only)
Can be programmed to monitor Normally Open (NO) or Normally Closed (NC) contacts in Class B
Operates on Class A or Class B SLC loop
Accepts up to 14 AWG wire
UL 864 Listed

Description

The LIFECO LE-DCP-FRCMA/-I Fast Response Contact Monitoring Modules are designed to be used with pull stations, water flow switches, and other applications requiring the monitoring of dry contact alarm initiating devices. The interrupt driven Digital Communications Protocol (DCP) combines maximum communication reliability and fast response to emergency conditions. Two different mounting configurations are provided to meet a wide range of applications. The LE-DCP-FRCMA/-I contact monitoring module does not require a separate 24 VDC power source.

Dual Relay Output Module
Model No: LE-DCP-R2ML/H-I

Features

Provides two independently configurable Form C contacts per address
Contacts are rated as follow: LE-DCP-R2ML: 2A @ 30 VDC / 0.5A @ 120 VAC LE-DCP-R2MH: 8A @ 30VDC / 4.8A @ 250 VAC
Up to127 devices can be used on each SLC loop
Visible Bi-colored LED is software controlled and can be programmed to blink red or green when polled. The LED can be latched on when activated. (For All Models)
Yellow LED indicates a short circuit condition (LE-DCP-R2ML-I & LE-DCP-R2MH-I only)
Programming is highly flexible providing 16 priority states plus zoning capability
Operates on Class A or Class B SLC loop
UL 864 Listed

Description

The Dual Relay Modules (LE-DCP-R2ML/H Series) have been designed to provide flexibile and quick response to emergency conditions. The LE-DCP-R2ML/H Series allows independent control of two form C contacts for a variety of normally open and normally closed contact applications such as fan operation, elevator recall, door closure, and auxiliary notification.

Class A Supervised Output Module
Model No: LE-DCP-SOM-A/-AI

Features

Built-in SCI circuitry (SOM-AI only)
Flexible application
Quick response to emergency conditions
Operation parameters are maintained by the module, and individual communication with the control system during emergency conditions is not required
Contacts are rated 2.0 Amps @ 24VDC
Programming is highly flexible providing 16priority states plus zoning capability
Programmed device output is turned off, silenced, or programmed to output the selected pattern
UL 864 Listed

Description

The Class A Supervised Output Modules (LE-DCP-SOM-A & LE-SOM-AI) have been designed to provide application flexibility and quick response to emergency conditions. Flexibility is provided by a wide range of operating modes, including supporting multi-zone operations, and/ or functions, up to 16 different modulation patterns and multi-state programming.

Supervised Output Module
Model No: LE-DCP-SOM-R

Features

UL 864 9th Edition Listed
Flexible Pre-Action application
Quick response to emergency conditions
Operation parameters are maintained by the module, and individual communication with the control system during emergency conditions is not required
Contacts are rated 2.0 Amps @ 24VDC
Programming is highly flexible providing 16 priority states plus zoning capability

Description

The Supervised Output Module (DCP-SOM-R) is designed for Single-Interlock Pre-Action sprinkler systems. During an alarm condition, the DCP-SOMR output will operate which will trip a solenoid valve, allowing water to fill the sprinkler system piping.Water is not discharged until a sprinkler headoperates due to heat from the fire. Pre-Action systems provide an added level of protection against inadvertent water discharge and are frequently employed in water sensitive locations such as archival vaults, fine art storage rooms, rare book libraries and computer centers.

Dual Input Monitor Module
Model No: LE-DCP-DIMM

Features

UL 864 9th Edition Listed
Fast, reliable contact monitoring utilizing the LIFECO DCP (Digital Communications Protocol)
127 devices can be used per DCP loop
Bi-colored indicating LED provides module status
Dual input contact monitor
Can be programmed to monitor Normally Open (NO) or Normally Closed (NC) contacts
Operates on Class A or Class B SLC loop
Accepts up to 14 AWG wire

Description

The LIFECO Dual Input Monitor Module (LE-DCP-DIMM) is designed for use on a UL listed Fire Alarm Control Panel. It provides two independent contact monitoring circuits while only utilizing one address on the SLC loop. Up to 127 devices can be placed on a single SLC loop. The device address is uniquely stored on an onboard EEPROM. The module can be programmed to monitor normally Open (NO) or Normally Closed (NC) contact fire alarm and supervisory devices.

Conventional Zone Module
Model No: LE-DCP-CZM

Features

Provides an address point for a zone of up to 25 conventional smoke detectors
Blinks green when polled. Latched on red (controlled by panel) when activated
Device address can be programmed with a handheld programmer. Device address- ranges from 1 to 127
Compatible with Class B and Class A wiring
Auxiliary power source provides power for the zone of detectors
Compatible with conventional detectors, LE-SLR, LE-SIJ, LE-SLK, LE-SLV, LE-DCD, LE-DFE and LE-SIH series

Description

The LIFECO Conventional Zone Module (LE-DCP-CZM) is designed for use on an analog addressable Fire Alarm system. Up to 127 devices can be placed on a single SLC loop. The device address is uniquely stored on an onboard EEPROM. The module allows the panel to interface and monitor two-wire conventional detectors or pull stations.

Short Circuit Isolator
Model No: LE-DCP-SCI

Features

Can be placed at any location on SLC loop
Checks the line for short circuit at power up. If the line is normal, the relay will be returned on. If a line short is detected, the relay remains open
Indication of a single short circuit by a yellow LED

Description

The LE-DCP-SCI short circuit isolator should be located between any devices on the SLC loop. In the event of a short on the SLC loop, the two adjacent isolators (closest isolators to the left and right of the shorted section) will activate and their respective LED indicators will be turned on. All devices between the active short circuit isolators will be dead. This will prevent entire loop failure. Upon removal of the short condition, the LE-DCP-SCIs will automatically restore, the entire loop to the normal operating state.

Addressable Manual Pull Stations
Model No: LE-DCP-AMP/-LP

Features

Addressable integrated design
All metal construction
Single and dual action models available
Extremely easy to operate
Bi-colored status LED indicates Standby and Alarm conditions
Address is programmable in EEPROM
Address can be programmed when installed
Enclosed switch with glass rod (included)
Terminals accept up to 14AWG wire
Surface mount back box available

Description

The LE-DCP-AMS addressable manual pull stations provides a fast and practical means of manually initiating a fire alarm signal. Both single action and dual action manual pull stations are available. Resetting of the pull station requires a 1/8" hex key.

Dual Action Manual Non-Coded Pull Station
Model No: LE-HPS-DAH/-SAH

Features

Metal Construction
Enclosed switch with glass rod (included)
10 Amps @ 120 VAC
Available in: Single Action & Dual Action
UL Listed
LIFECO's Models HPS series pull stations are available in two models: LE-HPS-SAH single action with Hex lock LE-HPS-DAH Dual Action with Hex lock

Description

Each model is constructed of a solid die cast housing and comes in glossy red. The back switch plate is plated steel. The electrical switch is rated for 10 Amps @ 120 VDC normally open contact rating. All models are connected via terminal block connections.

Weatherproof Manual Pull Station
Model No: LE-HPS-SAH-WP

Features

Metal Construction
Enclosed switch with glass rod (included)
10 Amps @ 120 VAC
Available in: Single Action & Dual Action
UL Listed

Description

The LIFECO LE-HPS-SAH-WP Weatherproof Manual Pull Station is a UL Listed fire alarm initiating device suitable for applications requiring outdoor mounting of the manual fire alarm pull station. The LE-HPS-SAH-WP is appropriate for applications where the manual pull station may be subject to wet conditions.

Conventional Fire Alarm Bell
Model No: LFB16, LFB18 & LFB110

Features

Quick and Easy Installation
Vibrating Type
High Sound Level
High Reliability
Low Power Consumption
Available in 6", 8" and 10" Housing
Mounts to Standard 4" Square Electrical Box
Cast Alloy Housing
Indoor or Outdoor* Use

Description

The LFB series bells are intended for fire alarm application only. The gong is of cast alloy metal suitable to produce loud and standard alarm bell sound. Three gong sizes are available to suit high or low noise level applications. It produces a characteristic sound with a 95 dBA @ 10Ft. for 6" bell, 83 dBA @ 10Ft. for 8" bell and 85 dBA @ 10Ft.

LIFECO
Robin

Features

1 intelligent detection circuits	Menu driven functions
Closed loop design (Class A wiring)	Up to 5 secure and independent module control function
Microprocessor based system	RS485 communication for fire repeater display panel
Intelligent distributed system structure	CAN Bus communication for networking
Quick response time - fire alarm in <1 second	Laptop programming
Up to 127 devices per loop	3 Level system password protection
Dynamic supervision	Logic controlled output functions
Fully field programmable	Circular history event flash memory storage
5" LCD Display - 320x240dpi resolution	Data transfer speed and reliability
21 key user-friendly control switches	High performance at low cost
15 LED status indicators	Well mount enclosures

Features

2 intelligent detection circuits	Menu driven functions
Closed loop design (Class A wiring)	Up to 5 secure and independent module control function
Microprocessor based system	RS485 communication for fire repeater display panel
Intelligent distributed system structure	CAN Bus communication for networking
Quick response time - fire alarm in <1 second	Laptop programming
Up to 127 devices per loop	3 Level system password protection
Dynamic supervision	Logic controlled output functions
Fully field programmable	Circular history event flash memory storage
5" LCD Display - 320x240dpi resolution	Data transfer speed and reliability
21 key user-friendly control switches	High performance at low cost
15 LED status indicators	Well mount enclosures

Description

The LF-6100A/1 is a distributed intelligent fire alarm control panel with a microprocessor based advanced detection and protection system. With its flexibility, unique design and ability to utilize both intelligent and conventional devices, makes it a very reliable system for life safety use. It adopts the use of a multi-line LCD screen for ease of viewing of events and controls, RTOS (Real time operating system), for real time monitoring and display of events, and a graphical display for user-friendly menu and control operation as well as ease of identifying information being sent by field devices to the fire alarm controller.

The LF-6100A/1's design widely applies to all kinds of industrial and commercial constructions with its high resistance to humidity, wide operating temperature range, high reliability and ease of installation and configuration.

Description

The LF-6100A/2 is a distributed intelligent fire alarm control panel with a microprocessor based advanced detection and protection system. With its flexibility, unique design and ability to utilize both intelligent and conventional devices, makes it a very reliable system for life safety use. It adopts the use of a multi-line LCD screen for ease of viewing of events and controls, RTOS (Real time operating system), for real time monitoring and display of events, and a graphical display for user-friendly menu and control operation as well as ease of identifying information being sent by field devices to the fire alarm controller.

The LF-6100A/2's design widely applies to all kinds of industrial and commercial constructions with its high resistance to humidity, wide operating temperature range, high reliability and ease of installation and configuration.

Model No: LF-6100A/4

Features

4 intelligent detection circuits	Menu driven functions
Closed loop design (Class A wiring)	Up to 5 secure and independent module control function
Microprocessor based system	RS485 communication for fire repeater display panel
Intelligent distributed system structure	CAN Bus communication for networking
Quick response time - fire alarm in <1 second	Laptop programming
Up to 127 devices per loop	3 Level system password protection
Dynamic supervision	Logic controlled output functions
Fully field programmable	Circular history event flash memory storage
5" LCD Display - 320x240dpi resolution	Data transfer speed and reliability
21 key user-friendly control switches	High performance at low cost
15 LED status indicators	Well mount enclosures

Description

The LF-6100A/4 is a distributed intelligent fire alarm control panel with a microprocessor based advanced detection and protection system. With its flexibility, unique design and ability to utilize both intelligent and conventional devices, makes it a very reliable system for life safety use. It adopts the use of a multi-line LCD screen for ease of viewing of events and controls, RTOS (Real time operating system), for real time monitoring and display of events, and a graphical display for user-friendly menu and control operation as well as ease of identifying information being sent by field devices to the fire alarm controller.

The LF-6100A/4's design widely applies to all kinds of industrial and commercial constructions with its high resistance to humidity, wide operating temperature range, high reliability and ease of installation and configuration.

Features

1000 Point Address Monitoring	User Friendly
LCD Screen Display	4-wire connection
Up to 30 Repeater Panels per System	Low Power Consumption
Easy Installation (Wall-mounting)	LED Status Indicators
Small Size	Internal Sounder with Silence Button

Description

The LF-6150 Repeater Panel is responsible for replicating fire and trouble information of a specific region from the Fire Control Unit. The device can monitor the alarm or the trouble state of 4 loops with up to 508 addressable points at most and display its information. Fire alarm and Fault alarm LEDs are provided to indicate the status of the monitored devices and the communication between the repeater and the Main Control Unit.

Intelligent Photo-Electric Smoke Detector
Model No: LF-PE-6101

CE

Features

Low Profile Design
Built-in CPU
Specialized Smoke Chamber Design
Auto Analysis
Dynamic Automatic Compensation
High Veracity of Fire Judgment
ALARM FIRST! – Less than 1 second
Data transfer Speed and Reliability
2-wire non polarity design
High Performance at Low Cost
Twist Lock Base
Provision for Remote LED Indicator
Use LF-DP-6190 for Device Coding

Description

The LF-PE-6101 intelligent type photo-electric smoke detector utilizes the light scatter sensing principle. It has an infrared light source, which emits signals and photo-diode, which senses the scattering light with the effect of smoke entering the chamber. The chamber is of light proof labyrinth type protected with thin metals mesh for protection from dust, insects and other external interferences.

Intelligent Heat Detector
Model No: LF-HD-6102

CE

Features

Low Profile Design
Fixed Point Type
Equipped with CPU Central Processor
2-wire non polarity design
Electronic Heat Thermistor
Automatic Judge Fire Alarm
ALARM FIRST! – Less than 1 second
High Performance at Low Cost
Twist Lock Base
Provision for Remote LED Indicator
Use LF-DP-6190 for device addressing

Description

The LF-HD-6102 intelligent heat detector provides an advanced method of detection, address programming and supervision, combined with sophisticated control panel communication. The detector uses a state of the- art thermistor providing 143°F (62°C) fixed temperature.

Intelligent Combined Smoke & Heat Detector
Model No: LF-PHD-6110

Features

Low Profile Design
Built-in CPU
Specialized Smoke Chamber Design
Electronic Heat Thermistor
Auto Analysis
Dynamic Automatic Compensation
High Veracity of Fire Judgment
ALARM FIRST! – Less than 1 second
Data transfer Speed and Reliability
2-wire non polarity design
High Performance at Low Cost
Twist Lock Base
Provision for Remote LED Indicator
Use LF-DP-6190 for Device Coding

Description

The LF-PHD-6110 intelligent type combined smoke and heat detector contains an optical smoke sensor and a thermistor temperature sensor whose outputs are combined to give the final analogue value. The LF-PHD-6110 is a plug-in, two wire detector compatible with the LF-6100A Series Control Panel. Each detector consists of a dust resistant, field-cleanable photoelectric chamber and microprocessor based electronics with a low-profile plastic housing.

Detector Isolating Base
Model No: LF-DB-LI

Features

Loop Powered
Polarity Sensitive
Isolates Short Circuit faults and spurs
Red LED Indicator

Description

The LF-DB-LI isolating base is intended for use with the LF-6100 Series detectors.

The LF-DB-LI isolating base senses and isolates short circuit faults on LF-6100 loops and spurs. In short-circuit conditions the integral red LED is illuminated.

Intelligent UV Flame Detector
Model No: LF-FD-6104

Features

Low Profile Design
Sensitive Ultraviolet Sensor
Equipped with CPU Central Processor
LED Indicator
Polarized Wiring
ALARM FIRST! – Less than 1 second
High Performance at Low Cost
Dust, Corrosion and Humidity Resistant
Twist Lock Base
Use LF-DP-6190 for device addressing

Description

The LF-FD-6104 Intelligent UV Flame Detector has a wide angular sensitivity that can reliably and quickly detect the presence of a flame within its field of view by sensing the ultra violet radiations emitted.
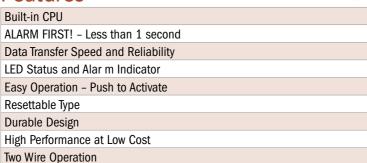
Addressable Manual Call Point
Model No: LF-MCP-6103

Features

Built-in CPU
ALARM FIRST! – Less than 1 second
Data Transfer Speed and Reliability
LED Status and Alar m Indicator
Easy Operation – Push to Activate
Resettable Type
Durable Design
High Performance at Low Cost
Two Wire Operation
Use LF-DP-6190 f or device addressing
Use LF-MB-6103 f or Mounting Base

Description

The LF-MCP-6103 Manual Call Point has a 2 way communication with the Fire Alarm Control Panel thus making it an intelligent initiating device. With its sleek and durable design, it can be installed anywhere along corridors, hallways and exits for easy access to operate and in cases where there is a requirement for manually activating an alarm signal.

Addressable Siren with Flasher
Model No: LF-AV-6126

Features

Built-in CPU
Addressable Output Device
Quick Response Time
Piezoelectric Horn
Automatic or Manual Activation
Data Transfer Speed and Reliability
High Performance at Low Cost
Wall Mount Type
Four Wire Operation
Use LF-DP-6190 for device addressing

Description

The LF-AV-6126 Addressable Siren with Flasher adopts an built-in integrated circuit, a piezoelectric sounder and a flasher which when combined, produces a high energy conversion efficiency for effective output of light and sound while utilizing a minimum amount of power. It is also directly connected to the detection loop of the Fire Panel to effectively monitor the device for faults or control for alarm activation.

Signal Input Module
Model No: LF-SI-6105

Features

Low Profile Design
Built-in CPU
Interfaces Normally Open Dry Contacts
ALARM FIRST! – Less than 1 second
Data Transfer Speed and Reliability
Polarized Wiring
LED Status Indicators
High Performance at Low Cost
Two Wire System
Use LF-DP-6190 for device addressing

Description

The LF-SI-6105 Signal Input Module provides the means of connecting Direct Shorting Devices to the Fire Alarm Control Panel. The module converts a normally open contact input which could monitor and report the status of the contact to the Fire Panel.

Relay Output Module
Model No: LF-RM-6106

Features

Low Profile Design
Built-in CPU
Interfaces Normally Open Dry Contacts
ALARM FIRST! – Less than 1 second
Data Transfer Speed and Reliability
Polarized Wiring
LED Status Indicators
High Performance at Low Cost
Two Wire System
Use LF-DP-6190 for device addressing

Description

The LF-RM-6106 Relay Module provides the means of directly controlling an auxiliary device and its status as well. The Relay Module can be operated either by manual operation using switch inputs, or by automatic control using the Fire Panel logic functions.

It also adopts pre-emptive alarm technology which organizes the data received from the detection loop. The information with the highest priority would transfer first.

Short Circuit Isolator
Model No: LF-LI-6190

Features

Low Profile Design
Built-in CPU
Self-restoring
Up to 50 Addressable Devices per Isolator
Data Transfer Speed and Reliability
Polarized Wiring
LED Status Indicators
High Performance at Low Cost
Two Wire System

Description

The LF-LI-6190 Short-Circuit Isolator provides short circuit protection on addressable device circuits. When a short is detected by the LF-LI-6190, it isolates the affected segment of the circuit, allowing the remaining devices to continue operating normally. The LF-LI-6190 is self-restoring, automatically reconnecting to circuit segment when the fault is removed The isolator's design widely applies to all kinds of industrial and commercial constructions with its high resistance to humidity, wide operating temperature range, high reliability and ease of installation and configuration.

Conventional Zone Interface
Model No: LF-CDI-6107

Features

Low Profile Design
Built-in CPU
Interfaces Conventional Series Devices
ALARM FIRST! – Less than 1 second
Up to 20 Conventional Devices per Module
Data Transfer Speed and Reliability
Polarized Wiring
LED Status Indicators
High Performance at Low Cost
Four Wire System
EMI and RFI Resistant
Use LF-DP-6190 for device addressing

Description

The LF-CDI-6107 Conventional Zone Interface provides the means of connecting a single zone of conventional detectors to the Fire Alarm Control Panel. Typical connections would be conventional type smoke, heat, manual call point, heat sensing cables, and gas detectors. It can be used as an addressable alarm initiating device for conventional devices and as a control input for other auxiliary functions.

Remote Control Module
Model No: LF-CSW-6154

Features

Totally Independent from Main Controller
Low Profile Design
Fast and Accurate Response Time
Feedback Monitoring
Selectable Normally Open or Close Contact Input
Polarized Wiring
High Performance at Low Cost

Description

The LF-CSW-6154 Remote Control Module provides the means of directly controlling an auxiliary device and its status as well. With its flexibility, the user has the option of either utilizing a normally open or normally close dry contact available on the module. It has the provision of connecting a normally open switch feedback input to monitor the status of the controlled auxiliary device.

Address Programmer
Model No: LF-DP-6190

Features

Address Coding and Reading of addressable devices
Analog Value Reading
Calibrated Value Reading
Low Voltage Indicator
Optional Power Supply (9V Internal Battery or External 24 VDC)
LCD Screen
Easy to Use

Description

The LF-DP-6190 Handheld Programmer is responsible for addressing fire alarm devices such as call points, detectors and modules connected in a loop. Calibrated and Analog Value of devices can also be read and will be displayed on the LCD screen.

LIFECO
White Eagle

Active EOL allowing continuous monitoring of inputs
Walk test
LED indication
Levels of access protected by means of security key
Plastic box

1 Zone Fire Alarm Control Panel – Eagle 1

Features

1 Fixed Zones
Supports up to 32 detectors
Unlimited call points
1 "fire" and 1 "fault" relay outputs
1 monitored sounder outputs

Description

The Eagle 1 conventional fire alarm panel provides 1 fixed zones. With up to 32 fire detectors and unlimited call points that can be connected to every fire zones. The Eagle 1 is situated in a plastic box. The panel is easy for installation and maintenance and provides user-friendly daily operations. The panel is suitable for residential, small and middle office applications with protected area up to 1000m2. The panel is available in different language versions for the front panel.

Active EOL allowing continuous monitoring of inputs
Walk test
LED indication
Levels of access protected by means of security key
Plastic box

4 Zone Fire Alarm Control Panel – Eagle 4

Features

4 Fixed Zones
Supports up to 128 detectors
Unlimited call points
1 "fire" and 1 "fault" relay outputs
2 monitored sounder outputs

Description

The Eagle 4 conventional fire alarm panel provides 4 fixed zones. With up to 32 fire detectors and unlimited call points that can be connected to every fire zones. The Eagle 4 is situated in a plastic box. The panel is easy for installation and maintenance and provides user-friendly daily operations. The panel is suitable for residential, small and middle office applications with protected area up to 2200m2. The panel is available in different language versions for the front panel.

Active EOL allowing continuous monitoring of inputs
Walk test
LED indication
Levels of access protected by means of security key
Plastic box

2 Zone Fire Alarm Control Panel – Eagle 2

Features

2 Fixed Zones
Supports up to 64 detectors
Unlimited call points
1 "fire" and 1 "fault" relay outputs
2 monitored sounder outputs

Description

The Eagle 2 conventional fire alarm panel provides 2 fixed zones. With up to 32 fire detectors and unlimited call points that can be connected to every fire zones. The Eagle 2 is situated in a plastic box. The panel is easy for installation and maintenance and provides user-friendly daily operations. The panel is suitable for residential, small and middle office applications with protected area up to 1000m2. The panel is available in different language versions for the front panel.

Active EOL allowing continuous monitoring of inputs
Walk test
LED indication
Levels of access protected by means of security key
Plastic box

6 Zone Fire Alarm Control Panel – Eagle 6

Features

6 Fixed Zones
Supports up to 192 detectors
Unlimited call points
1 "fire" and 1 "fault" relay outputs
1 monitored sounder outputs

Description

The Eagle 6 conventional fire alarm panel provides 6 fixed zones. With up to 32 fire detectors and unlimited call points that can be connected to every fire zones. The Eagle 6 is situated in a plastic box. The panel is easy for installation and maintenance and provides user-friendly daily operations. The panel is suitable for residential, small and middle office applications with protected area up to 2200m2. The panel is available in different language versions for the front panel.

8 Zone Fire Alarm Control Panel – Eagle 8

Features

8 Fixed Zones
Supports up to 256 detectors
Unlimited call points
1 "fire" and 1 "fault" relay outputs
2 monitored sounder outputs

Active EOL allowing continuous monitoring of inputs
Walk test
LED indication
Levels of access protected by means of security key
Plastic box

Description

The Eagle 8 conventional fire alarm panel provides 8 fixed zones. With up to 32 fire detectors and unlimited call points that can be connected to every fire zones. The Eagle 8 is situated in a plastic box. The panel is easy for installation and maintenance and provides user-friendly daily operations. The panel is suitable for residential, small and middle office applications with protected area up to 3000m2. The panel is available in different language versions for the front panel.

12 Zone Fire Alarm Control Panel – Eagle 12

Features

12 Fixed Zones
Supports up to 384 detectors
Unlimited call points
1 "fire" and 1 "fault" relay outputs
4 monitored sounder outputs
Active EOL allowing continuous monitoring of inputs
Walk test

LED indication
Levels of access protected by means of security key
Plastic box

Description

Eagle 12 is a conventional fire detection and indication panel that has 8 fixed and is expanded up to 16 zones with fire detectors and call points. Eagle 12 is based on a modular principle - a power unit, a control panel, zone/sounder expanders, an indication module and battery space. A detailed LED indication shows the status of the system, divided in two groups - for technician level and for monitor and observer level. An appropriate mode for zone detector testing by a single person has been implemented - One Man Test. All zones and sirens within the system can be eliminated (Bypass). The panel has been designed to operate with one 12 V battery back-up power, which reduces the costs by the value of one battery per system. The Eagle 12 is suitable for vast range of applications - big office buildings, schools, 2 supermarkets and other with over 3000m2.

16 Zone Fire Alarm Control Panel – Eagle 16

Features

16 Fixed Zones
Supports up to 512 detectors
Unlimited call points
1 "fire" and 1 "fault" relay outputs
4 monitored sounder outputs
Active EOL allowing continuous monitoring of inputs
Walk test

LED indication
Levels of access protected by means of security key
Plastic box

Description

Eagle 16 is a conventional fire detection and indication panel that has 8 fixed and is expanded to 16 zones. Eagle 16 is based on a modular principle - a power unit, a control panel, zone/sounder expanders, an indication module and battery space. A detailed LED indication shows the status of the system, divided in two groups - for technician level and for monitor and observer level. An appropriate mode for zone detector testing by a single person has been implemented - One Man Test. All zones and sirens within the system can be eliminated (Bypass). The panel has been designed to operate with one 12 V battery back-up power, which reduces the costs by the value of one battery per system. The Eagle 16 is suitable for vast range of applications - big office buildings, schools, 2 supermarkets and other with over 3000m2.

Photo-Electric Smoke Detector
Model No: LF-PE-4111

Features

Microprocessor based design
High accuracy of fire detection
Quick fire alarm transfer speed
Special chamber design
Polarized wiring
Provision for remote LED Indicator
Ease of maintenance

Description

The LF-PE-4111 Conventional type Photoelectric Smoke Detector uses a specialized smoke chamber design, which could sense the presence of smoke particles produced by fast combustion or slow smoldering fire. Combining fire algorithms stored on its memory with the special three part design of the smoke chamber and given the photo-sensor's viewing angle, the detector can effectively sense both white smoke and black smoke with virtually no false alarm.

Heat Detector
Model No: LF-HD-4112

Features

Microprocessor based design
High accuracy of fire detection
Rate of rise and fixed temperature
Quick fire alarm transfer speed
Polarized wiring
Provision for remote LED Indicator
Ease of maintenance

Description

The LF-HD-4112 Conventional type heat detector identifies fire with both rapidly rising and gradually increasing temperature. It has three levels of fixed temperature settings to adapt itself to the local temperature of the area being protected. The detector utilizes a modern, accurate, state of the art negative temperature coefficient (NTC) thermistor that senses thermal changes in the protected area. And combined with the data stored in its non-volatile memory, the detector sends out alarm information to the Fire alarm control unit during rapid rise of heat or upon reaching its pre-set temperature rating.

Manual Call Point
Model No: LF-MCP-4113

Features

ALARM FIRST! – Less than 1 second
Data Transfer Speed and Reliability
Easy Operation – Push to Activate
Resettable Type
Durable Design
High Performance at Low Cost
Two Wire Operation
Use LF-MB-6103 for Mounting Base

Description

The LF-MCP-4113 with its new sleek and durable design, it can be installed anywhere along corridors, hallways and exits for easy access to operate in cases where there is a requirement for manually activating an alarm signal. The manual call point's design widely applies to all kinds of industrial and commercial constructions with its high resistance to humidity, wide operating temperature range, high reliability and ease of installation and configuration.

Manual Call Point
Model No: LF/B10

Features

Arabic and English Label
Quick fire alarm transfer
East operation - Push to activate
No polarity
Ergonometric construction
Durable Design
High performance at Low cost
Easy to install
Semi flush or Surface mount
With protective cover
Suitable for indoor use

Description

The LF/B 10 Call point series satisfies the requirements for a manual fire alarm initiating device. With its sleek and durable design, it is easily observed yet does not hinder with building design and can be fitted along corridors, hallways and exits for easy access to operate in cases where there is a requirement for activating an alarm signal.

Siren & Siren with Strobe
Model No: LF-SI & LF-SS

Features

Quick response time
100±5dB (@24v DC)
Piezoelectric horn
High performance at low cost
Integrated electronics
High intensity strobe
With reverse polarity protection
Easy maintenance
Easy to Install
2-Wire Operation
Ceiling or sidewall mount

Description

The LF-SI/SS Siren and Siren with Strobe are designed for maximum performance, reliability and cost effectiveness. It adopts a built-in integrated circuit, a piezoelectric sounder and high intensity strobe which when combined, produces high energy conversion efficiency for effective output of light and sound while utilizing a minimum amount of power.

Sounder Beacon
Model No: LF-SB-4228

Features

Low current LED beacon
Simple 'First Fix' installation
Tone and volume can be pre-set or adjusted off-base - 20dB
Electronic sounder beacon certified to BS-EN54-3

Description

The LF-SB-4228 Sounder Beacon is a high quality sounder and beacon combination that offers dependable audible and visual alarms at the lowest current available. It also comes with the Timesaver base, in which the connections are made to the base during the initial wiring phase which results in faster and more reliable installation. The sounder head 'twists and clicks' into the base on commissioning, avoiding the wiring and connection problems associated with traditional sounders.

With a choice of 32 tones including all the major international standards, the LF-SB-4228 Sounder Beacon has universal acceptance.

Sounder
Model No: LF-SD-4229

Features

Wide voltage range
Simple 'First Fix' installation
2 Alarm stages
32 tones
Tone and volume can be pre-set or adjusted off-base
Synchronised alarm tones
Volume control - Typical 8dB

Description

The LF-SD-4229 Sounder is a high quality sounder that offers dependable audible alarms at the lowest current available. It also comes with the Timesaver base, in which the connections are made to the base during the initial wiring phase which results in faster and more reliable installation. The sounder head 'twists and clicks' into the base on commissioning, avoiding the wiring and connection problems associated with traditional sounders.

With a choice of 32 tones including all the major international standards, the LF-SD-4229 Sounder Beacon has universal acceptance.

AV Sounder
Model No: LF-AV-4125

Features

Quick response time
Piezoelectric horn
High intensity strobe
Integrated Electronics
High performance at low cost
3 user selectable tones via jumpers
Wall mount type
Two wire operation

Description

The LF-AV-4125 Conventional audible and visual alarm indicator adopts a built-in integrated circuit, a piezoelectric sounder and a high intensity strobe which when combined, produces a high energy conversion efficiency for effective output of light and sound while utilizing a minimum amount of power.

LED Remote Indicator
Model No: LFR-100

Features

| Easy installation |
| Wide viewing angle |
| Low profile design |
| Low power consumption |
| High precision and stability |
| Quick fire alarm transfer speed |
| High accuracy of fire detection |
| 2 LED indicators |

Description

The LFR-100 LED remoted indicator is an attractive device used in installations where a detector going to alarm is likely to occur behind a locked door, inaccessible rooms, or in a ceiling void to provide indication of the activation of a fire detector.

Conventional Fire Alarm Bell
Model No: LFB16, LFB18 & LFB110

Features

| Quick and Easy Installation |
| Vibrating Type |
| High Sound Level |
| High Reliability |
| Low Power Consumption |
| Available in 6", 8" and 10" Housing |
| Mounts to Standard 4" Square Electrical Box |
| Cast Alloy Housing |
| Indoor or Outdoor* Use |

Description

The LFB series bells are intended for fire alarm application only. The gong is of cast alloy metal suitable to produce loud and standard alarm bell sound. Three gong sizes are available to suit high or low noise level applications. It produces a characteristic sound with a 95 dBA @ 10Ft. for 6" bell, 83 dBA @ 10Ft. for 8" bell and 85 dBA @ 10Ft.

LIFECO
Fire Protection Valves

OS&Y Resilient Seated Gate Valve - Flanged Ends - 300PSI

Model No: 3299-300-FLF / Sizes: 2.5", 3", 4", 5", 6", 8", 10" & 12"

Features

Complies with AWWA C515 Standard
Heavy duty handwheel and attachement nut
High quality graphite stem seal
NPT plug on body
Flanges to ANSI B16.1 Class 125 (Other flange types available upon request)
UL Listed and FM Approved
300 PSI (200PSI (3299-200-FLF) and 250PSI (3299-250-FLF) available upon request)
-10°C to 82°C Working temperature
Corrosion protection - Fusion bonded epoxy coated interior and exterior to AWWA C550 standard

Note:

Design and material are subject to change without notice.

OS&Y Resilient Seated Gate Valve - Flanged X Grooved Ends - 300PSI

Model No: 3299-300-FXGLF / Sizes: 2.5", 3", 4", 5", 6", 8", 10" & 12"

Features

Complies with AWWA C515 Standard
Heavy duty handwheel and attachment nut
High quality graphite stem seal
Triple O-rings stem seal
NPT plug on body
Flanged to ANSI B16. 1 Class125 (Other flange types available upon request)
Grooved ends to AWWA C606 standard or Metric Dimensions
UL Listed and FM Approved
300PSI Working pressure (200PSI (3299-200-FXGLF) and 250PSI (3299-250-FXGLF) available upon request.)
-10°C to 82°C Working temperature
Corrosion protection - Fusion bonded epoxy coated interior and exterior to AWWA C550 standard

Note:

Design and material are subject to change without notice.

OS&Y Resilient Seated Gate Valve - Grooved Ends - 300PSI

Model No: 3299-300-GLF / Sizes: 2.5", 3", 4", 5", 6", 8", 10" & 12"

Features

Complies with AWWA C515 Standard
Heavy duty handwheel and attachment nut
High quality graphite stem seal
Triple O-rings stem seal
NPT plug on body
Grooved ends to AWWA C606 standard or Metric Dimensions
UL Listed and FM Approved
300PSI Working pressure (200PSI (3299-200-GLF) and 250PSI (3299-250-GLF) available upon request.)
-10°C to 82°C Working temperature
Corrosion protection - Fusion bonded epoxy coated interior and exterior to AWWA C550 standard

Note:

Design and material are subject to change without notice.

OS&Y Resilient Seated Gate Valve - Flanged Ends - 250PSI

Model No: 3199-250-FLF / Sizes: 14",16" & 18"

Features

Complies with AWWA C515 Standard
Heavy duty handwheel and attachment nut
High quality graphite stem seal
NPT plug on body
Flanged to ANSI B16. 1 Class125 (Other flange types available upon request)
UL Listed
250PSI Working pressure
-10°C to 82°C Working temperature
Corrosion protection - Fusion bonded epoxy coated interior and exterior to AWWA C550 standard

Note:

Design and material are subject to change without notice.

OS&Y Resilient Seated Gate Valve - Flanged Ends - 200PSI

Model No: 3199-200-FLF / Sizes: 20" & 24"

Features

Complies with AWWA C515 Standard
Heavy duty handwheel and attachment nut
High quality graphite stem seal
NPT plug on body
Flanged to ANSI B16. 1 Class125 (Other flange types available upon request)
UL Listed
200PSI Working pressure
-10°C to 82°C Working temperature
Corrosion protection - Fusion bonded epoxy coated interior and exterior to AWWA C550 standard

Note:

Design and material are subject to change without notice.

OS&Y Resilient Seated Gate Valve - Mechanical Joint Ends - 200PSI

Model No: 3199-200-MJLF / Size: 20" & 24"

Features

Complies with AWWA C515 Standard
Heavy duty handwheel and attachment nut
High quality graphite stem seal
NPT plug on body
Mechanical joint designed to ANSI / AWWA C153
UL Listed
250PSI Working pressure
-10°C to 82°C Working temperature
Corrosion protection - Fusion bonded epoxy coated interior and exterior to AWWA C550 standard

Note:

Design and material are subject to change without notice.

OS&Y Resilient Seated Gate Valve - Mechanical Joint Ends - 250PSI

Model No: 3199-250-MJLF / Sizes:14", 16" & 18"

Features

Complies with AWWA C515 Standard
Heavy duty handwheel and attachment nut
High quality graphite stem seal
NPT plug on body
Mechanical joint designed to ANSI / AWWA C153
UL Listed
250PSI Working pressure
-10°C to 82°C Working temperature
Corrosion protection - Fusion bonded epoxy coated interior and exterior to AWWA C550 standard

Note:

Design and material are subject to change without notice.

OS&Y Resilient Seated Gate Valve - Flanged X Mechanical Joint Ends - 250PSI

Model No: 3199-250-FXMJLF / Sizes:14", 16" & 18"

Features

Complies with AWWA C515 Standard
Heavy duty handwheel and attachment nut
High quality graphite stem seal
NPT plug on body
Flanges to ANSI B16.1 Class125 (other types available upon request)
Mechanical joint designed to ANSI / AWWA C153
UL Listed
250PSI Working pressure
-10°C to 82°C Working temperature
Corrosion protection - Fusion bonded epoxy coated interior and exterior to AWWA C550 standard

Note:

Design and material are subject to change without notice.

OS&Y Resilient Seated Gate Valve - Flanged X Mechanical Joint Ends - 200PSI

Model No: 3199-200-FXMJLF / Size: 20" & 24"

Features

Complies with AWWA C515 Standard
Heavy duty handwheel and attachment nut
High quality graphite stem seal
NPT plug on body
Flanges to ANSI B16.1 Class125 (other types available upon request)
Mechanical joint designed to ANSI / AWWA C153
UL Listed
200PSI Working pressure
-10°C to 82°C Working temperature
Corrosion protection - Fusion bonded epoxy coated interior and exterior to AWWA C550 standard

Note:

Design and material are subject to change without notice.

NRS Resilient Seated Gate Valve - Flanged Ends - 300PSI

Model No: 3288-300-FLF / Sizes: 2.5", 3", 4", 5", 6", 8", 10" & 12"

Features

Complies with AWWA C515 Standard
Non-rising stem
4" to 12" Size provided with indicator post plate, other sizes - plate provided only when specified at time or order
Triple O-rings stem seal
NPT plug on body
Flanges to ANSI B16. 1 Class124 (Other flange type available upon request)
UL Listed for size 4" - 12". FM Approved for all sizes
300PSI Working pressure (200PSI (3288-200-FLF) and 250PSI (3288-250-FLF) available upon request.)
-10°C to 82°C Working temperature
Corrosion protection - Fusion bonded epoxy coated interior and exterior to AWWA C550 standard

Note:

Design and material are subject to change without notice.

NRS Resilient Seated Gate Valve - Grooved Ends - 300PSI

Model No: 3288-300-GLF / Sizes: 2.5", 3", 4", 5", 6", 8", 10" & 12"

Features

Complies with AWWA C515 Standard
Non-rising stem
4" to 12" Size provided with indicator post plate, other sizes - plate provided only when specified at time or order
Triple O-rings stem seal
NPT plug on body
Grooved end to AWWA C606 standard or metric dimensions
UL Listed for size 4" - 12". FM Approved for all sizes
300PSI Working pressure (200PSI (3288-200-GLF) and 250PSI (3288-250-GLF) available upon request.)
-10°C to 82°C Working temperature
Corrosion protection - Fusion bonded epoxy coated interior and exterior to AWWA C550 standard

Note:

Design and material are subject to change without notice.

NRS Resilient Seated Gate Valve - Mechanical Joint Ends - 300PSI

Model No: 3288-300-MJLF / Sizes: 3", 4", 6", 8", 10" & 12"

Features

Complies with AWWA C515 Standard
Non-rising stem
4" to 12" Size provided with indicator post plate, other sizes - plate provided only when specified at time or order
Triple O-rings stem seal
NPT plug on body
Mechanical Joint end to ANSI/AWWA C153/A21. 53 standard
UL Listed for size 4" - 12". FM Approved for all sizes
300PSI Working pressure (200PSI (3288-200-MJLF) and 250PSI (3288-250-MJLF) available upon request.)
-10°C to 82°C Working temperature
Corrosion protection - Fusion bonded epoxy coated interior and exterior to AWWA C550 standard

Note:

Design and material are subject to change without notice.

NRS Resilient Seated Gate Valve - Flanged X Mechanical Joint- 300PSI

Model No: 3288-300-FXMJLF / Sizes: 3", 4", 6", 8", 10" & 12"

Features

Complies with AWWA C515 Standard
Non-rising stem
4" to 12" Size provided with indicator post plate, other sizes - plate provided only when specified at time or order
Triple O-rings stem seal
NPT plug on body
Flanges to ANSI B16.1 Class125
Mechanical joint ends to ANSI/AWWA C153/A21, 53 Standard
UL Listed for size 4" - 12". FM Approved for all sizes
300PSI Working pressure (200PSI (3288-200-FXMJLF) and 250PSI (3288-250-FXMJLF) available upon request.)
-10°C to 82°C Working temperature
Corrosion protection - Fusion bonded epoxy coated interior and exterior to AWWA C550 standard

Note:

Design and material are subject to change without notice.

NRS Resilient Seated Gate Valve - Flanged X Grooved - 300PSI

Model No: 3288-300-FXGLF / Sizes: 2.5", 3", 4", 5", 6", 8", 10" & 12"

Features

Complies with AWWA C515 Standard
Non-rising stem
4" to 12" Size provided with indicator post plate, other sizes - plate provided only when specified at time or order
Triple O-rings stem seal
NPT plug on body
Flanges to ANSI B16.1 Class125
UL Listed for size 2.5" - 3". FM Approved for all sizes
300PSI Working pressure (200PSI (3288-200-MJLF) and 250PSI (3288-250-MJLF) available upon request.)
-10°C to 82°C Working temperature
Corrosion protection - Fusion bonded epoxy coated interior and exterior to AWWA C550 standard

Note:

Design and material are subject to change without notice.

NRS Resilient Seated Gate Valve - Flanged Ends- 200PSI

Model No: 3188-200-FLF / Sizes: 20" & 24"

Features

Complies with AWWA C515 Standard
Non-rising stem
With handwheel or a 2" operating nut
Triple O-rings stem seal
NPT plug on body
Flanges to ANSI B16.1 Class 125 (Other flange types available upon request)
UL Listed
200 PSI
-10°C to 82°C Working temperature
Corrosion protection - Fusion bonded epoxy coated interior and exterior to AWWA C550 standard

Note:

Design and material are subject to change without notice.

NRS Resilient Seated Gate Valve - Flanged Ends- 250PSI

Model No: 3188-250-FLF / Sizes: 14", 16" & 18

Features

Complies with AWWA C515 Standard
Non-rising stem
With handwheel or a 2" operating nut
Triple O-rings stem seal
NPT plug on body
Flanges to ANSI B16.1 Class 125 (Other flange types available upon request)
UL Listed
-10°C to 82°C Working temperature
Corrosion protection - Fusion bonded epoxy coated interior and exterior to AWWA C550 standard

Note:

Design and material are subject to change without notice.

NRS Resilient Seated Gate Valve - Mechanical Joint - 250PSI

Model No: 3188-250-MJLF / Sizes: 14", 16" & 18"

Features

Complies with AWWA C515 Standard
Non-rising stem
With handwheel or a 2" operating nut
Triple O-rings stem seal
NPT plug on body
Mechanical joint ends to ANSI/AWWA C153/A21. 53 Standard
UL Listed
-10°C to 82°C Working temperature
Corrosion protection - Fusion bonded epoxy coated interior and exterior to AWWA C550 standard

Note:

Design and material are subject to change without notice.

NRS Resilient Seated Gate Valve - Mechanical Joint- 200PSI

Model No: 3188-200-MJLF / Sizes: 20" & 24"

Features

Complies with AWWA C515 Standard
Non-rising stem
With handwheel or a 2" operating nut
Triple O-rings stem seal
NPT plug on body
Flanges to ANSI B16.1 Class 125 (Other flange types available upon request)
UL Listed
200 PSI
-10°C to 82°C Working temperature
Corrosion protection - Fusion bonded epoxy coated interior and exterior to AWWA C550 standard

Note:

Design and material are subject to change without notice.

NRS Resilient Seated Gate Valve - Flanged X Mechanical Joint- 200PSI

Model No: 3188-200-FXMJLF / Sizes: 20" & 24"

Features

Complies with AWWA C515 Standard
Non-rising stem
With handwheel or a 2" operating nut
Triple O-rings stem seal
NPT plug on body
Flanges to ANSI B16.1 Class 125 (Other flange types available upon request)
Mechanical joint ends to ANSI/AWWA C153/A21. 53 Standard
UL Listed
200 PSI
-10°C to 82°C Working temperature
Corrosion protection - Fusion bonded epoxy coated interior and exterior to AWWA C550 standard

Note:

Design and material are subject to change without notice.

NRS Resilient Seated Gate Valve - Flanged X Mechanical - 250PSI

Model No: 3188-250-FXMJLF / Sizes: 14", 16" & 18"

Features

Complies with AWWA C515 Standard
Non-rising stem
With handwheel or a 2" operating nut
Triple O-rings stem seal
NPT plug on body
Flanges to ANSI B16.1 Class 125 (Other flange types available upon request)
Mechanical joint ends to ANSI/AWWA C153/A21. 53 Standard
UL Listed
-10°C to 82°C Working temperature
Corrosion protection - Fusion bonded epoxy coated interior and exterior to AWWA C550 standard

Note:

Design and material are subject to change without notice.

Swing Check Valve - Flanged ends - 300PSI

Model No: 5201-300-FLF / Sizes: 2", 2.5", 3", 4", 5", 6", 8", 10" & 12"

Features

Complies with AWWA C508 standard, Clear waterway design
Seating type is resilient material to bronze seat construction
Two test plugs included - Installed on one side of the valve body
Flanges to ANSI B16. 1 Class125 (other flange type available upon request)
UL & FM Approved
300PSI Working pressure
200PSI and 250 PSI available on request
-10°C to 82°C Working temperature
Fusion bonded epoxy coated interior and exterior to AWWA C550 standard corrosion protection

Model Available:

i. Swing Check Valve Flanged (250psi)- 5201-250-FLF
ii. Swing Check Valve Flanged (200psi)- 5201-200-FLF

Swing Check Valve - Grooved ends - 300PSI

Model No: 5905-300-GLF / size .5", 3", 4", 5", 6", 8", 10" & 12"

Features

Full waterway design
Seating type is resilient material to bronze seat construction
Ductile iron disc EPDM encapsulated
Groove ends to AWWA C606 standard or metric dimensions
UL Listed and FM approved
300PSI Working pressure
200PSI and 250 PSI available on request
-10°C to 82°C Working temperature
Fusion bonded epoxy coated interior and exterior to AWWA C550 standard corrosion protection

Model Available:

i. Swing Check Valve Grooved (250psi)- 5905-250-GLF
ii. Swing Check Valve Grooved (200psi)- 5905-200-GLF

Wafer Check Valve 175PSI

Model No: 5211-175-FL / Size 4", 6",8", 10" & 12"

Features

The extremely short face to face dimension and compact design of this valve allow installation and service in tight spaces
Spring assisted for better dynamic behaviour
Soft seated for perfect tightness even at low differential pressure
Flange to ANSI B16.1 Class 125
UL Listed
175PSI Working pressure
-10°C to 82°C Working temperature
Spray painted or fusion bonded epoxy coated interior and exterior to AWWA C550 standard corrosion protection

Butterfly Valve - Wafer Type - Gear Operated - 300PSI

Model No: 2305-300-LF / Sizes: 2", 2.5", 3", 4", 5", 6", 8", 10" & 12"

Features

Single piece through shaft
Vulcanized seat design for bubble-tight shutoff at 300PSI
Flag type position indicator
Low torque operation, high cycle life
With built in supervisory switch
Top flange to ISO 5211/1
Flanges to ANSI B16.1 Class 125, EN1092-2 PN10/16. (other type available upon request)
UL Listed for size 2" - 12"
UL & FM Approved for 2" - 6"
300PSI Working pressure
200PSI and 250PSI available upon request
-10°C to 82°C Working temperature
Corrosion protection - Fusion bonded epoxy coated interior and exterior to AWWA C550 standard

Models Available:

i. Butterfly Valve - Wafer Type (250 psi) - 2305-250-LF
ii. Butterfly Valve - Wafer Type (200 psi) - 2305-200-LF

Butterfly Valve - Grooved - Gear Operated - 300PSI

Model No: 2905-300-LF / Sizes: 2.5", 3", 4", 5", 6", 8", 10" & 12"

Features

Vulcanized seat design for bubble-tight shutoff at 300PSI
Flag type position indicator
Low torque operation, high cycle life
With built in supervisory switch
Top flange to ISO 5211/1
Groove ends to AWWA C606 Standard or Metric dimensions
UL Listed for size 2" - 12"
UL & FM Approved for 2" - 6"
300PSI Working pressure
200PSI and 250PSI available upon request
-10°C to 82°C Working temperature
Corrosion protection - Fusion bonded epoxy coated interior and exterior to AWWA C550 standard

Models Available:

i. Butterfly Valve - Grooved (250 psi) - 2905-250-LF
ii. Butterfly Valve Grooved (200psi)- 2905-200-LF

Vertical Type Indicator Post

Model No: LF-IP888

Features

Indicates if the valve is in the OPEN or SHUT position
Built in Gear drive reduces the torque necessary to open and shut large valve
The adjustable dimension "L" is 34.5" to suit deeper buried valves. If more adjustments is required, specify at time of order
The wrench handle fits over a "U" bracket on the barrel and may be fixed to the barrel with a padlock (provided by others) for security
OPEN and SHUT targets can be easily adjusted to fit exactly in the viewing window
Internally and externally spray epoxy painted RAL3000
UL & FM Approved

Note:

Design and material are subject to change without notice.

Wall Type Indicator Post

Model No: LF-WP999

Features

Indicates if the valve is in the OPEN or SHUT position
Used to operate a valve installed behind a wall
With a 12" O.D. post flange to mount on a wall
Operated by handwheel
Can be supplied in open left or open right
UL listed and FM approved
Internally and externally red epoxy spray painting, RAL3000
Manufactured in accordance with AWWA C503 standard
Seating type is resilient material to DI integral seat
Flange drilled to DN80 EN1092-2 PN16 and BS10
2½" London round thread outlet. Other type outlets are available, such as 2½" instantaneous outlet, 2½" belfast V outlet and dublin bayonet outlet
16 Bar working pressure
-10°C to 120°C working temperature
Internally and externally spray painted or fusion bonded epoxy powder coated (FBE)

Note:

Design and material are subject to change without notice.

Y Strainer - Flanged Ends - 175PSI

Model No: 6201-175-FLF / Sizes: 2-½", 3", 4", 5", 6", 8", 10" & 12"

Features

NPT or BSPT blowoff outlet on cover. Blowoff outlets are finished with plugs
Screens are peforated 304 stainless steel with spot welded seam
Recessed seat in body assures accurate screen alignment
Flanges to ANSI B16. 1 Class125 (other flange type available upon request)
UL Listed
175PSI Working pressure
-10°C to 120°C Working temperature
Internally and externally spray-painted or fusion bonded epoxy powder coated (FBE) corrosion protection

Y Strainer - Grooved Ends - 175PSI

Model No: 6201-175-GLF / 2-½", 3", 4", 5", 6", 8", 10" & 12

Features

NPT or BSPT blowoff outlet on cover. Blowoff outlets are finished with plugs
Screens are peforated 304 stainless steel with spot welded seam
Recessed seat in body assures accurate screen alignment
Groove dimension comply with Metric or AWWA C606 standard
UL Listed
175PSI Working pressure
-10°C to 120°C Working temperature
Internally and externally spray-painted or fusion bonded epoxy powder coated (FBE) corrosion protection

Basket Type - Flanged Ends - 200PSI

Model No: 6301-200-FLF / Sizes: 3", 4", 5", 6", 8", 10" & 12"

Features

Screens are perforated 304 stainless steel with spot welded seam
Flanges to ANSI B16. 1 Class125 (Other types available upon request)
UL Listed
-10°C to 82°C Working temperature
Internally and externally spray-painted or fusion bonded epoxy powder coated (FBE)
200PSI Working Pressure
Groove dimension comply with Metric or AWWA C606 standard

Dry Barrel Hydrant

Model No: LF-FM1510

Features

Manufactured in accordance with AWWA C502 Standard
UL listed / FM approved
(1) 4.5" Pumper nozzle, (2) 2.5" Hose nozzle, NH Thread. other thread types available
Multiple bury lengths available, Specify bury depth at time of order
6" Mechanical joint shoe to AWWA C111 standard/6" Flanged shoe to ANSI B16.1, Class125
Specify mechanical joint or flanged shoe at time of order
Traffic flange model, with full "break-away" safety feature
250PSI Working pressure
-10°C to 82°C Working temperature
Internally and externally liquid epoxy painted corrosion protection

Note:

Design and material are subject to change without notice.

Material Specification

No.	Component	Material	No.	Component	Material
1	Operating nut	Bronze ASTM B62	2	Hold down nut	Bronze ASTM B62
3	O-ring	NBR Commercial	4	Bonnet	Cast iron A126 Class B
5	Bonnet bolt & nut	Stainless steel AISI 201	6	Upper rod	Carbon steel AISI 1045
7	Pumper nozzle	Bronze ASTM B62	8	Pumper nozzle gasket	NBR Commercial
9	Hose nozzle	Bronze ASTM B62	10	Hose nozzle gasket	NBR Commercial
11	Pumper nozzle cap	Cast iron A126 Class B	12	Hose nozzle cap	Cast iron A126 Class B
13	Cap chain	Carbon steel Plated	14	Upper barrel	Ductile iron A536 65-45-12
15	Safety coupling	Stainless steel A890	16	Safety flange bolt & nut	Stainless steel AISI 201
17	Safety flange	Ductile iron A536 65-45-12	18	Lower rod	Carbon steel AISI 1045
19	Lower barrel	Ductile iron A536 65-45-12	20	Stem pin	Stainless steel A276
21	Drain ring housing	Ductile iron A536 65-45-12	22	Drain ring	Bronze ASTM B62

Dimensions (mm/inch) L	Weight (kg)
915 (3' – 0")	170
1068 (3' – 6")	178
1220 (4' – 0")	183
1372 (4' – 6")	196
1524 (5' – 0")	200
1676 (5' – 6")	210
1829 (6' – 0")	215
1981 (6' – 6")	224

Wet Barrel Fire Hydrant
Model No: LF-WBH

Features

Manufactured in accordance with AWWA C503 standard
UL listed and FM approved
(1) 4.5" Pumper nozzle (2) 2.5" Hose nozzles
Nozzle threads to NFPA 1963 standard
Flange to ANSI B16.1, Class 125 (6") Other types available upon request
250 PSI for FM approved
200PSI for UL listed
-10°C to 82°C working temperature
Interior and exterior is e-coated to a dry film thickness of 0.6 mils minimum, then fusion bonded epoxy powder coated (FBE) corrosion protection

Note:
Design and material are subject to change without notice.

Material Specification

No.	Component	Material
1	Body	Ductile iron A536 65-42-12
2	Pumper nozzle cap	Cast iron A126 Class B
3	Pumper nozzle	Bronze B62 C83600
4	Main valve	Rubber NBR
5	Main valve holder	Stainless steel AISI 304
6	Hose nozzle cap	Cast iron A126 Class B
7	Hose nozzle	Bronze B62 C83600
8	Stem	Stainless steel AISI 304
9	Stem nut	Bronze B62 C83600
10	Operating nut	Bronze B62 C83600
11	O-ring	Rubber NBR
12	Pumper nozzle gasket	Rubber NBR
13	Hose nozzle gasket	Rubber NBR

Fire Dept. Connection;
Model No: LF-FDCG and LF-FDCI

Straight type model LF-FDCG

90° type model LF-FDCI

Features

The brass seat is integrated with brass body
2.5" swivels are pin lug design for easy operation
Compatible with local fire service requirements
Breakable plastic plug to prevent debris from being accidently introduced into the water way.

Description
LIFECO FM Approved and UL listed Fire Department Connections are designed and manufactured in accordance with UL 405 - Standard for Fire Department Connections. We have two models, one is a straight type model LF-FDCG and a 90° type model LF-FDCI which casted from solid brass alloy for extend service life.

Lifeco Oblique Landing Valve

Description
LIFECO Oblique Landing Valves are manufactured according to BS 5041 and are available with an outlet of 65mm Ø with instantaneous coupling to BS 336 and inlet with flange or screw.

Models:
i. Screw Type – LF-OBVS
ii. Flanged Type – LF-OBVF

Lifeco Straight thru Landing Valve

Description
LIFECO Straight thru Landing Valves are manufactured according to BS 5041 and are available with an outlet of 65mm Ø with instantaneous coupling to BS 336 and inlet with flange or screw.

Models:
i. Screw Type – LF-STLVS
ii. Flanged Type – LF-STLVF

Lifeco E Type Pressure Regulating Valve

Description

Pressure Regulating "E" Type Valve enables a uniform firefighting pressure to be maintained at any hydrant in a fire protection system irrespective of its location, the regulator can be quickly and easily adjusted in-site to meet, individual floor level pressure requirements.

Models:

i. Screw Type – LF-EPRVS
ii. Flanged Type – LF-EPRVF

Lifeco Breeching Inlet

Description

LIFECO breeching inlets are used in a buildings for firefighting purposes, fitted with inlet connection at fire brigade access level and outlet connection at specified points, which is normally dry but capable of being charged with water by pumping from fire service appliances.

Models:

i. 2-Way – LF-BI2W
ii. 4-Way – LF-BI4W

Lifeco Angle Hose Valve

Description

LIFECO Fire Hose Angle Valves (90 degrees pattern) are for use on standpipe having inlet and outlet opening of the same size or with the inlet larger than outlet. The valve is made in accordance with UL 668 Hose Valve for Fire Protection Service standards.

Models:

Size	Description	Model
1-1/2 (38)	Standard Angle Valve with double female connection	AH15
1-1/2 (38)	Standard Angle Valve with female to male connection	AH20
2-1/2 (64)	Standard Angle Valve with double female connection	AH25
2-1/2 (64)	Standard Angle Valve with female to male connection	AH30

Lifeco Pressure Restricting Angle Valve

Description

LIFECO PRESSURE Restricting ANGLE VALVE is used with a fire hose reel or rack assemblies or as a fire department outlet connection. Water pressure is controlled up to 300psi by adjustable flow restriction. Locking pin mechanism restricts unnecessary frill opening of valve. Pin may be removed by trained personnel as needed.

Models:

Size	Description	Model
1-1/2 (38)	Pressure Restricting Angle Valve with female to male connection	RV-AH20
2-1/2 (64)	Pressure Restricting Angle Valve with female to male connection	RV-AH30
1-1/2 (38	Pressure Restricting Angle Valve with female to female connection	RV-AH15
2-1/2 (64)	Pressure Restricting Angle Valve with female to female connection	RV-AH25

Lifeco Test And Drain Valve

Model No: LF-TD/25-UL ,1" (25)
LF-TD/32-UL, 1-1/4 (32)

Description

The test and drain valve is a combined two position lever operated ball valve, sight glass and stop valve. Test & Drain with an integral sight glass assembly, provides a simplified means for testing of water ow alarm devices and draining of feed mains.

Pre-action & Deluge Valve
Model No: LF-DV100A & LF-DV150A

Features

FM APPROVED | UL CERTIFIED | SAFETY US EX6091

Simple configuration for easy maintenance
No False Alarm
Outstanding Durability
Anti-corrosive Trim
Reliable Operation
Field replaceable diaphragm and clapper seat
UL Listed & FM Approved
Maximum Working Pressure: 175 psi (12 bar)
Flange Connection : ANSI B16.1 FF Class 150
Hydrostatic Test Pressure: 25 bar (350 psi)

Description:

LIFECO Preaction & Deluge Valve with external resetting function is a differential latch type valve which designed for fire protection system.

The external resetting feature of the LF-DV valve provides easy resetting of a pre-action system without opening the valve cover for manual repositioning of the clapper and latch mechanism.

Actuation of electric system automatically releases the LF-DV valve by allowing water to flow into the sprinkler piping system and to be discharged from any sprinklers that is open

Wet Alarm valve
Model No: LF-WAV100A & LF-WAV150A

Features

FM APPROVED | UL CERTIFIED | SAFETY US EX6005

Cast iron body for extra hydrostatic strength
Quick removal and easy service for rubber-faced clapper
UL Listed & FM Approved
Maximum Working Pressure: 175 psi (12 bar)
Flange Connection : ANSI B16.1 FF Class 150
Hydrostatic Test Pressure: 25 bar (350 psi)

Description:

As an essential part of a wet sprinkler system, LIFECO Wet Alarm Valve is used as a device that detects water flow in the fire equipment installed in residential area, manufacturing area, and so on.

The valve is designed to initiate an alarm during a sustained flow of water (such as the flow required by an open sprinkler) by operating an optional water motor alarm and/or a pressure switch.

LIFECO
Sprinkler and Accessories

Horizontal Sidewall Sprinklers
Model No: LF240 & LF241

Features

Glass bulb
Standard Spray Pattern
K-factor 5.6
Quick & Standard Response
Available in 135 / 155 / 200 °F (57 / 68 / 93°C) Temperature rating 1/2" NPT Thread Size

Description

The 1/2 inch orifice LIFECO Standard and Quick Response (ref. ISO 6182) Horizontal Sidewall Sprinklers are automatic sprinklers of the frangible bulb type. They are "Standard and Quick response - standard orifice spray Sprinklers" intended for use in fire Sprinkler systems designed in accordance with the Standard installation rules recognized by the applicable Listing or Approval agency (e.g., UL Listing is based on NFPA 13 requirements). The Horizontal Sidewall Sprinklers are generally used in lieu of pendent and upright sprinklers because of building consideration or installation economy considerations. They mare designed for installation along a wall or the side of a beam and just beneath a smooth ceiling. Installed with their center line of waterway, these sprinklers produce a quarter-spherical water discharge pattern that is predominately directed downward and outward from the deflector; however, a portion of the spray is also directed towards the back wall.

Pendent and Upright Sprinklers
Model No: LF211, LF221, LF210 and LF220

Features

Glass bulb
Standard Spray Pattern
K-factor 5.6
Quick & Standard Response
Available in 135 / 155 / 200 °F (57 / 68 / 93 °C) Temperature rating 1/2" NPT Thread Size

Description

The 1/2 inch orifice LIFECO Standard and Quick Response (ref. ISO 6182) Pendent and Upright Sprinklers are automatic sprinklers of the frangible bulb type. They are "Standard and Quick response orifice spray Sprinklers" intended for use in fire Sprinkler systems designed in accordance with the Standard installation (NFPA 13). The pendent and upright sprinklers all produce a hemi-spherical water distribution pattern below the deflector. It is most stable against the change of atmospheric temperature and is well matched to accommodate any architecture.

The 1/2 inch orifice LIFECO Standard and Quick Response Pendent and Upright are rated for use at a maximum service pressure of 12.3 kg/cm2 (175psi) and they are available in the temperature ratings of 68°C (155°F, Red) and 93°C (200°F, Green). The flow rates "Q" in LPM (GPM) are determined by the following formula: Q = K P Where the nominal discharge coefficient "K" equals 80 (5.6); and, "P" equals the residual flowing pressure in kgf/cm2 (psi). Listing standards permit the actual value of "K" to vary from 76.4 to 83.6 (5.3 to 5.8); however, for hydraulic calculations, a K-factor of 80 (5.6) is to be applied. The Frame is made of brass forging (copper alloy) per KS D5101. The bulb cap (bulb retainer) is copper alloy per KS D5102 (C5191). The Spring Seat consists of a Beryllium Nickel disc spring that is sealed on both its inside and outside faces with a Teflon gasket.

Concealed Pendent

Models: Standard Response – LF820
Quick Response – LF821

Features

Glass bulb
Standard Spray Pattern
K-factor 5.6
Quick & Standard Response

Description

LIFECO Standard and Quick Response Concealed Pendent Sprinkler LF820 and LF821 are thermosensitive glass-bulb spray sprinklers with the cover plate. The sprinkler is pre-assembled with a threaded adapter for installation with a low-profile cover assembly that provides up to 10mm of vertical adjustment.

The two-piece design allows installation and testing of the sprinkler prior to installation of the cover plate. The "thread-on", "thread-off" design of the concealed cover plate assembly allows easy installation of the cover plate after the system has been tested and the ceiling finish has been applied. The cover assembly can be removed and reinstalled, allowing temporary removal of ceiling panels without taking the sprinkler system out of service or removing the sprinkler.

Clean Room Type

Models: LF222

Features

3mm Glass Bulb
Standard Spray Patter
K-factor 5.6
Available in 135 / 155 / 200 °F (57 / 68 / 93 °C) Temperature rating 1/2" NPT Thread Size

Description

LIFECO Clean Room Type Sprinkler is used with flexible sprinkler hose in clean rooms of semiconductor manufacturing facilities (TFT-LCD, PDP and etc.) and it has been designed to fit through existing mold bar hole in the clean room the sprinkler.

Flush Pendent

Model No: LF720 & LF 721

Features

Fusible Alloy Type
Standard Spray Pattern
K-factor 5.6
Quick & Standard Response
Available in 135 / 155 / 200 °F (57 / 68 / 93 °C) Temperature rating 1/2" NPT Thread Size

Description

The 1/2 inch orifice LIFECO LF720 Standard Response (ref. ISO 6182) Flush Sprinklers are automatic sprinklers of the fusible solder type. They are "Standard response-Standard orifice spray Sprinklers" intended for use in fire Sprinkler systems designed in accordance with the Standard installation (NFPA 13). They produce a hemispherical water distribution pattern below the deflector. They share basically the same functional principle with other standard response glass bulb sprinkler. Nevertheless, it is designed a low profile, aesthetically pleasing, ceiling mounted sprinkler that offers a high degree of protection for human life.

High Velocity Water Spray Nozzle

Features

UL Listed
Various Spray Angles
3/4" BSPT Thread Size (NPT OPTIONAL)

Description

LIFECO High Velocity Water Spray Nozzles are internal swirl plate type open nozzles designed for use in fixed water spray or deluge system for the fire protection application.

Model:

Nozzle – HV-AS

Medium Velocity Water Spray Nozzle

Features

UL Listed
Various Spray Angles
3/4" BSPT Thread Size (NPT OPTIONAL)

Description

The LIFECO Medium Velocity Water Spray Nozzles are open type (non-automatic nozzles, designed for directional spray application in fixed fire protection system. Medium velocity water spray nozzle has an external deflector, which discharges water in a directional cone shaped pattern of small droplet size. The water is uniformly distributed over the surface to be protected.

Model:

Nozzle – Model A

Water Flow Indicator

Description

LIFECO's Water Flow Indicator is placed on the automatic water sprinkler systems pipeline to identify the flow of water in case of a fire outbreak. When a flow of water is detected by a clapper or vane, a signal will be transmitted to the control panel.

Models:

Thread Type	Saddle Type
LF JZ-Y-25	LF JZ-A-50
LF JZ-Y-32	LF JZ-A-65
LF JZ-Y-40	LF JZ-A-80
LF JZ-Y-50	LF JZ-A-100
–	LF JZ-A-125
–	LF JZ-A-150
–	LF JZ-A-200

Thread Type   Saddle Type

Pressure Switch

Description

LIFECO's LF/JY Pressure Switch is designed to detect the flow of water through pressure variation in an automatic water sprinkler system. It usually is mounted on the outlet of the retard chamber and transmits a signal to control panel identifying flow of water in the system.

Pressure Gauge UL Listed
Model No: HDP

Features

90mm Dial
0-21 Kg. /Sq. Cm (0-300 PSI) range
Polished Stainless Steel, weather proof case
Bourdon Tube: Phosphorus bronze / Monel
UL Listed

Description

Pressure Gauges are specifically designed for Fire Sprinkler Services. Model HDP has corrosion resistant polished stainless steel case Bezel and Brass wetted parts.the deflector. They share basically the same functional principle with other standard response glass bul

Zone Control Valve Package
Model No: LF-ZCV

Features

Fusible Alloy Type
Standard Spray Pattern
K-factor 5.6
Quick & Standard Response

Description

Zone control valves are designed to operate utilizing electrical service for actuation. A sprinkler system must be capable of shut down after the fire has been controlled, and for periodic maintenance and modification. Control valves can provide this function. In the simplest system a single shut-off valve may be located at the point where the water supply enters the building.

The Package consists of: Butterfly Valve, Test & Drain Valve, Water Flow Indicator

Models:

Size	Model
2.5inch	LF-ZCV/2.5
3 inch	LF-ZCV/3
4 inch	LF-ZCV/4
6 inch	LF-ZCV/6

Flexible Sprinkler Hose With Fittings

Description

Lifeco Flexible sprinkler hose provides a unique sprinkler drop assembly design which helps save time and cost during installation. The system can be installed in false ceilings without cutting and threading pipes associated with installing a drop, arm-over, and elbows.

Lifeco Flexible Sprinkler Hose is installed quickly without large and expensive tools. Ideal applications include offices, schools, libraries, hospitals, and shopping complexes.

Available product length:

700, 1000, 1200, 1500, 1800mm

Models:

Slip Nut Type, Braided, LPB-B to be installed with the S1 and L2 bracket	Slip Nut Type, Unbraided, LPN-A are intended to be installed with the S1 and L2 or S2 and L2-2 bracket	Weld type, Braided, LPB-W are intended to be installed with the S1 and L3 bracket
LPB-B700-12	LPN-A700-12	LPB-W700-12
LPB-B1000-12	LPN-A1000-12	LPB-W1000-12
LPB-B1200-12	LPN-A1200-12	LPB-W1200-12
LPB-B1500-12	LPN-A1500-12	LPB-W1500-12
LPB-B1800-12	LPN-A1800-12	LPB-W1800-12
LPB-B700-19	LPN-A700-19	—
LPB-B1000-19	LPN-A1000-19	—
LPB-B1200-19	LPN-A1200-19	—
LPB-B1500-19	LPN-A1500-19	—
LPB-B1800-19	LPN-A1800-19	—

LIFECO
Extinguishers

ABC Powder Extinguisher

Features

EN3 Kitemark approved by BSI in the UK and CE marked
High fire ratings offering maximum firefighting ability with minimum size and weight
Nonconductive and safe on electrical equipment and fires
Revolutionary new CE aluminum valve design
Specially designed nozzle for optimum discharge accuracy & time
Available in 1, 2, 3, 4, 6, 9,12 kg and cartridge models and High Performance versions

Description

ABC Powder works by firstly applying a coating to the fire which acts like a blanket suffocating the fire. Nitrogen (an inert gas) which is released during the process assists in suffocating further, while simultaneously tackling the chemical reaction of the fire, preventing the heat being formed and thereby cooling the fire.

Models

a	1 kg ABC powder, stored pressure – LP1D
b	2 kg ABC powder, stored pressure – LP2D
c	3 kg ABC powder, stored pressure – LP3D
d	4 kg ABC powder, stored pressure – LP4D
e	6 kg ABC powder, stored pressure – LP6D
f	6 kg ABC powder, stored pressure – LPH6D
g	9 kg ABC powder, stored pressure – LP9D
h	12 kg ABC powder, stored pressure – LP12D
i	6 kg ABC powder, gas cartridge operated – LPC6D
j	9 kg ABC powder, gas cartridge operated – LPC9D

BC Powder Extinguisher

Features

EN3 Kitemark approval by BSI in the UK and CE marked
Extremely high fire ratings offering maximum firefighting ability for size and weight
Revolutionary new CE aluminum valve design
Primarily designed for very high risk sites where B & C risk occurs
Specially designed nozzle for maximum discharge distance, accuracy and time
Available in 4, 6 & 9 Kgs

Description

Specialist BC Powder is primarily a mix of potassium bicarbonate, urea complex and potassium chloride (is not sodium bicarbonate). The super strength BC powder is 2-3 times more effective on Class B and C fires than any other agent. It works by firstly applying a coating to the fire which causes a powder dust blanket over the fire and during the burning process it releases Carbon Dioxide which suffocates the fire.

Models

a	4 kg BC powder, stored pressure – LPK4D
b	6 kg BC powder, stored pressure – LPK6D
c	9 kg BC powder, stored pressure – LPK9D

AFFF Foam Extinguisher

Features

EN3 Kitemark approval by BSI in the UK and CE marked
High fire ratings offering maximum firefighting ability with minimum size and weight
Revolutionary new CE aluminum valve design
Specially designed nozzle for maximum agitation and the best discharge accuracy and time
Safe for inadvertent use on electrical items upto 35kv
Suitable for use in a confined spaces
Easy to Empty & refill onsite without mess or special machinery
Available in 3, 6 & 9 Liters, cartridge & High Performance type

Description

Aqueous Film Forming Foam (AFFF) works by firstly applying a film forming foam (bubbles) to the fire which causes a blanket over the fire suffocating the fire, while almost simultaneously cooling the fire.

Models

a	3 litre foam (AFFF), stored pressure – LF3D
b	6 litre foam (AFFF), stored pressure – LF6D
c	6 litre foam (AFFF), stored pressure – LFH6D
d	9 litre foam (AFFF), stored pressure – LF9D
e	6 litre foam (AFFF), gas cartridge operated – LFC6D
f	6 litre foam (AFFF), gas cartridge operated – LFHC6D
g	9 litre foam (AFFF), gas cartridge operated – LFC9D
h	9 litre foam (AFFF), gas cartridge operated – LFHC9D

Alcohol Resistant Foam Extinguisher

Features

CE

EN3 Kitemark approval by BSI in the UK and CE marked
The ONLY kite marked AR foam extinguisher in the world
Primarily designed for Alcohol/Polar fires such as ethanol, methanol, propanol, acetone
High fire ratings offering maximum firefighting ability
Leaves minimal residue when applied
Revolutionary new CE aluminum valve design
Specially designed micro drop mist nozzle for maximum foam agitation and the best discharge accuracy and time
Safe for inadvertent use on electrical items up to 35kv
Suitable for use in a confined spaces
Easy to Empty and refill onsite without mess or special filling machinery
Available in 6 & 9 Liters

Description

Aqueous Film Forming Foam (AFFF) works by firstly applying a film forming foam (bubbles) to the fire which causes a blanket over the fire suffocating the fire, while almost simultaneously cooling the fire. Polar fires often burn with invisible flames and can NOT be extinguished with conventional AFFF Foam or agents.

Models

a	6 litre foam (polar), stored pressure – LFAR6D
b	9 litre foam (polar), stored pressure – LFAR9D

Water Extinguisher

Features

CE

EN3 Kitemark approval by BSI in the UK and CE marked
Above average fire ratings offering maximum firefighting ability with minimum size and weight
Revolutionary new CE aluminum valve design
Specially designed nozzle for best discharge application, accuracy and time
Easy to use for untrained operator
Easy to refill onsite
Available in 6 & 9 Ltrs and Anti-freeze

Description

Water extinguishes by cooling the fire and is the simple, conventional and ever-faithful extinguishing agent.

Models

a	6 litre water, stored pressure – LW6SD
b	9 litre water, stored pressure – LW9SD
c	9 litre freeze protected water, stored pressure – LW9FSD
d	9 litre water, gas cartridge operated – LW9CSD

Wet Chemical Extinguisher

Features

CE

EN3 Kitemark approval by BSI in the UK and CE marked
High fire ratings offering maximum firefighting ability with minimum size and weight
Leaves minimal residue when applied
Revolutionary new CE aluminum valve design
Special applicator lance for safe application to hot oil
Suitable for use in a confined spaces
More reliable and easier to control for an untrained user in a kitchen
Easy to Empty and refill onsite without mess or special filling machinery
Available in 3 & 6 Liters

Description

Wet Chemical uses a film forming base with additional secret chemicals and micro drop mist nozzle technology. The agent forms a mild foam surface over the hot oil but not a crust or foam mess like most other agents. The extinguishing is through smothering initially and cooling through heat absorption through high volume micro drops and a chemical reaction.

Models

a	3 litre wet chemical, stored pressure – LKF3D
b	6 litre wet chemical, stored pressure – LKF6D

Aqua Spray Extinguisher

Features

CE

EN3 Kitemark approval by BSI in the UK and CE marked
High grade foam agent carrying strong chemical bond to form a strong film (bubbles) after Fire risks occurs
Revolutionary new CE aluminum valve design
Specially designed nozzle for best discharge application, accuracy and time
More reliable and easier to control for an untrained user
Safe for inadvertent use on electrical items upto 35kv
Suitable for use in a confined spaces
Easy to Empty and refill onsite without mess or special filling machinery
Available in 3 & 6 Ltr

Description

Aqua Spray is primarily a wetting agent with some foaming properties. It works by firstly applying a film to the fire which increases the area to which the water spreads, thereby providing excellent cooling properties.

Models

a	3 litre Aqua spray, stored pressure – LAS3D
b	6 litre Aqua spray, stored pressure – LAS6D

Carbon Dioxide Extinguisher

Features

CE ☒ ™

EN3 Kitemark approval by BSI in the UK and CE marked
Suitable for Class B and Electrical Fires
Leaves no residue when applied due to evaporation
Safe for use on electrical items
Available in 2 & 5 Kg

Description

Carbon Dioxide being an inert gas works by expelling the oxygen and thereby suffocating the fire and is suitable for common industries where small class B or Electrical risks occur. It is always to be accompanied by a suitable extinguisher (Foam or Water) to cover class A risks.

Models

a	2 kg carbon dioxide – LC2D
b	5 kg carbon dioxide – LC5D

Water Mist Extinguisher

Features

CE ☒ ™

EN3 Kitemark approval by BSI in the UK and CE marked
Suited to class A, B Class, C, D (Non oxidizing), E & F Fires (K class in USA)
Leaves almost no residue when applied to fire due to evaporation
Safe for the user due to mist barrier between fire and operator
Safe for use on electrical items upto 100kv. Certified to 35kv
Easy to Empty and refill onsite without mess or special filling machinery
Uses highly advanced technologies in the industry with multiple patents
No collateral damage after discharge
No contamination
Available in 3 & 6 Ltr Stored Pressure

Description

Water Mist is the ONLY extinguisher in the world of its type to be able to extinguish ALL classes of fire using only water and NO ADDITIVES. The extinguishing is due to huge cooling effect caused by mist. Mist, created from water has a droplet size of 50 microns which means 1 billion droplets are created from 1 Ltr of water, implying a coverage of a total surface area of 200 square meters. While the tiny droplets suffocates the fire by converting to vapor (an inert gas), simultaneously the dilution of the free radicals also breaks the chemical chain.

Models

a	3 litre water mist, stored pressure – LWM3D
b	6 litre water mist, stored pressure – LWM6D

LIFECO
Cabinets & Accessories

Hose Reel Cabinet

Features

Manufactured from steel or stainless steel, with thickness of 1mm to 2mm
Hose reel drums pressed on hydraulic press to from ribs for strength and durability to avoid twisting while handling
Outer edges rolled over for safe handling and aesthetic appearance
Electrostatic powder painted and oven baked to 200 C for appearance and protection from rust
Cabinets of stainless steel also available with hairline or mirror finish
Different styles available- to meet architectural requirements
Semi-Automatic 1.5" hose rack, one piece construction of 16 gauge steel rack
Automatic release mechanism allows valve to be opened without release of water until last fold of hose is removed

Description

LIFECO Hose Reel Cabinet is characterized for its high quality and performance in fighting Fire, can be used effectively in factories, residential building, etc.

Models

a	Single Cabinet - LF 300
b	Single Cabinet - LF 300A
c	Single Cabinet - LF 300AS
d	Single Cabinet - LF 305/20
e	Single Cabinet - LF 305/30
f	Single Cabinet - LF 305A
g	Single Cabinet - LF 305AS
h	Cabinet + Extinguisher - LF 600
i	Cabinet + Extinguisher LF 600A
j	Cabinet + Extinguisher LF 600AS
k	Double Compartment - LF 900
l	Double Compartment - LF 900A

Hose Reels

Features

Easy to install
Simple and compact
Light to handle
Automatic or manual operation
Hose available in red or black color

Description

LIFECO hose reels have an extensive range of swinging & fixed type with manual & automatic operation to suit any architectural and installation requirements.

Hose reel discs are made of 1.2mm pre-treated electrogalvanized steel sheet, painted with electrostatic powder coating and oven baked at 200°C. Hose reel side plates are protected with a polyester powder coating that complies to salt spray test requirement which is specified in ISO 9227 for 240hrs. Hose reel drum has formation of hydraulically pressed ribs to give extra strength and to avoid twisting. The outer edges are rolled over to give a safe handling edge on the outer rims and better appearance. Automatic fire hose reels are available with an internal valve built into the hose reel unit which opens within 3 revolutions of the hose reel as the hose is pulled out and closes when the hose is wound back to the reel.

Models

a	Fire Hose Reel; 19mm fixed manual hose reel – LH19F
b	Fire Hose Reel; 25mm fixed manual hose reel – LH25F
c	Fire Hose Reel; 19mm fixed automatic hose reel – LH19AF
d	Fire Hose Reel; 25mm fixed automatic hose reel – LH25AF
e	Fire Hose Reel; 19mm swinging pipe manual hose reel – LH19/SP
f	Fire Hose Reel; 25mm swinging pipe manual hose reel – LH25/SP
g	Fire Hose Reel; 19mm swinging pipe automatic hose reel – LH19/ASP
h	Fire Hose Reel; 25mm swinging pipe automatic hose reel – LH25/ASP
i	Fire Hose Reel; 19mm swinging arm manual hose reel – LH19/SA
j	Fire Hose Reel; 25mm swinging arm manual hose reel – LH25/SA
k	Fire Hose Reel; 19mm swinging arm automatic hose reel – LH19/ASA
l	Fire Hose Reel; 25mm swinging arm automatic hose reel – LH25/ASA

Single Jacket and Double Jacket Synthetic Fire Hoses

Features

Heavy duty construction for optimum abrasion resistance
Weather, ozone and ageing resistant with long service life
Easy to repair, clean and maintenance
The breaking strength of the jacket threads meets the requirements of UL 19
The tensile strength and ultimate elongation of inner lining meet the requirements of UL 19
Hose is designed to withstand 1 ½ times the service pressure without rupturing or breaking any thread in the jacket as per UL 19
Hose comes with attached couplings, Brass or Chrome Finish as per request

Description

LIFECO UL LISTED Single and Double Jacket Synthetic Fire Hoses are lined with a high-tech EPDM tube whose engineered design guarantees minimum weight with maximum durability and flexibility. The polyester construction is mildew & rot-proof, tough, dependable, light weight and with outstanding abrasion resistance with our innovative Wisentec coating,

The jacket is evenly and firmly woven and free from visible defects, thread knots, lumps and irregularities of twist. The most common use of these fire hoses are for exterior fire protection and are also used by Fire Brigades.

Couplings are available in NST or Instantaneous BS336 as per request.

Models Available:

Single Jacket	Double Jacket
LF4015SJ	LF4015DJ
LF4025SJ	LF4025DJ

Synthetic Hose Nozzles

Features

UL Listed
Available sizes: 1 ½ and 2 ½ inch
Adjustable fog, straight stream and shut off
Finish: Brass and Chrome
Thread: NST
NST to BS336 male adaptor available if required
Nozzle pressure: 100PSI
Discharge GPM as in UL listing

Description

Adjustable nozzle are used for Class A and B fires in most industrial applications. They are used with lined fire hose. Adjustable fog, straight stream and shut off.

Models Available:

a	1-½ " Adjustable nozzle, 50 GPM – LFNH-40
b	2-½ " Adjustable nozzle, 120 GPM – LFNH-65
c	1-½ " Adjustable nozzle, 130 GPM – LF-SHN40
d	2-½ " Adjustable nozzle, 205 GPM – LF-SHN65

Fire Blankets

Features

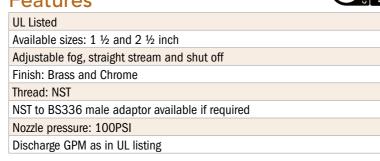| |
|---|
| Easy to use |
| Easy to install |
| Lightweight |

Description

LIFECO Fire blankets are ideal and highly effective for fighting fires involving flammable liquids such as cooking oils. They can also be used to wrap round people whose clothing or hair is on fire.

These are manufactured from glass fiber and coated with flame retardant silicone rubber. They are available in different sizes to suit the requirements.

Models

a	LF-FB/1.0X1.0
b	LF-FB/1.2X1.2
c	LF-FB/1.2X1.8
d	LF-FB/1.8X1.8

LIFECO
Emergency Lights & Exit Lights

Emergency Bulkheads - Single Tube
Model No: LF-FL-18A/LF-FL-18B/ LF-FL-18C

LF-FL-18A

LF-FL-18B

LF-FL-18C

Features

Suitable for mounting on a normally flammable surface
RED LED indicator indicates battery charging mode
Suitable for indoor use, wall or ceiling mounted

Technical an Environmental Specification

Operating Mode	Non Maintained
Lamp	T5 8W Fluorescent
Supply Voltage	110/277 VAC 50/60Hz
Rated luminaire output	3 hours after min. 36Hr Charge
Battery	3.6V 4.5Ah Ni-Cd cells
Battery Life	Up to 4 years normal use
Operating Temperature	-5°C to +45°C
Humidity	10% to 90% Relative Humidity
Case Material	Fire Retardant ABS + PC Cover
Flammability	5VA Housing & V-2 Lens
Connection	Screw Terminals

Emergency Bulkheads - Double Tube
Model No: LF-FL-28A/LF-FL-28B/LF-FL-28C

LF-FL-28A

LF-FL-28B

LF-FL-28C

Features

Suitable for mounting on a normally flammable surface
RED LED indicator indicates battery charging mode
Suitable for indoor use, wall or ceiling mounted

Technical an Environmental Specification

Operating Mode	Non Maintained
Lamp	2 X T5 8W Fluorescent
Supply Voltage	110/277 VAC 50/60Hz
Rated luminaire output	3 hours after min. 36Hr
Charge Battery	3.6V 4.5Ah Ni-Cd cells
Battery Life	Up to 4 years normal use
Operating Temperature	-5°C to +45°C
Humidity	10% to 90% Relative Humidity
Case Material	Fire Retardant ABS + PC Cover
Flammability	5VA Housing & V-2 Lens
Connection	Screw Terminals

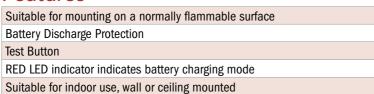## Halogen Emergency Lights - Double Head Type
Model No: LF-BB-28A/ LF-BB-28B

LF-LE-28A

LF-LE-28B

Features

Suitable for mounting on a normally flammable surface
Battery Discharge Protection
Test Button
RED LED indicator indicates battery charging mode
Suitable for indoor use, wall or ceiling mounted

Technical an Environmental Specification

Operating Mode	Non Maintained
Lamp	2 X 5W/6V Halogen
Supply Voltage	110/277 VAC 50/60Hz
Rated luminaire output	3 hours after min. 36Hr Charge
Battery	6V 4.5Ah Lead Acid cells
Battery Life	upto 4 years normal use
Operating Temperature	-10°C to +50°C
Humidity	90% Relative Humidity
Case Material	Fire Retardant ABS + PC Cover
Flammability	5VA Housing & V-2 Lens
Connection	Screw Terminals
Color	White and Black Available

LED Exit/Emergency Light Combination
Model No: LF-EEL-R

Features

Single or double face configuration
Two fully adjustable Square shaped light
Long Lasting LED that are operational in normal Condition(AC input) & emergency (DC input) modes
Test button
Suitable for mounting on a normally flammable surface
RED LED indicator indicates battery charging mode
Replaceable directional arrow inserts are easily removed and reinserted
Battery over discharge protection
Suitable for indoor use, wall or ceiling mounted
Universal mounting

Technical an Environmental Specification

Operating Mode	Non Maintained
Lamp	2 X 12 pcs LED
Supply Voltage	110/277 VAC 50/60Hz
Rated luminaire output	3 hours after min. 36Hr Charge
Battery	6V 4.5Ah Lead Acid cells
Battery Life	Up to 4 years normal use
Operating Temperature	-10°C to +50°C
Humidity	≤ 90% Relative Humidity
Case Material	Fire Retardant ABS + PC Cover
Connection	Screw Terminals
Inner Box Packing	35.5 X 38.9 X 12 cm
Exit Light Color	Red/Green
Color	White

LED Emergency Exit Light
Model No: LF-EL-G

Features

Single or double face configuration
Two fully adjustable Square shaped light
Long Lasting LED that are operational in normal Condition(AC input) & emergency (DC input) modes
Test button
Suitable for mounting on a normally flammable surface
RED LED indicator indicates battery charging mode
Replaceable directional arrow inserts are easily removed and reinserted
Battery over discharge protection
Suitable for indoor use, wall or ceiling mounted
Universal mounting

Technical and Environmental Specification

Operating Mode	Non Maintained
Lamp	12 pcs LED
Supply Voltage	110/277 VAC 50/60Hz
Rated luminaire output	3 hours after min. 36Hr Charge
Battery	4.8V 6.5Ah Ni-Cd cells
Battery Life	Up to 4 years normal use
Operating Temperature	-10°C to +40°C
Humidity	90% Relative Humidity
Case Material	Fire Retardant ABS + PC Cover
Connection	Screw Terminals
Inner Box Packing	31.5 X 6 X 22.7 cm
Exit Light Color	Red/Green
Color	White