



**Conventional & Analogue
Addressable Fire Alarm Control Panels**

**Conventional Fire Alarm
Control Panels & Call System Panel**

**Extinguishant Release Panels: Battery Charger Units:
Auxiliary Relays: Transformer Rectifiers: Batteries:
Emergency Lighting CBS Units**

**Smoke and Heat Alarm:
Convention & Analogue Smoke & Heat Detections**

**Convention & Analogue
Addressable Smoke & Heat Detections**

**Automatic Door Retainer / Closer Units
& Door Retainer Units**

**Fire Alarm Bells: Xenon Beacons: Combined
Sounder/beacons: Sirens: Electronic Sounders:
Voice Alarms Sounders: Fire Extinguishers**

**Emergency Lighting - Self-contained,
Slave Luminaires & Conversion Kits**

Emergency Exit Signs - Wall Signs & Call Points

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Conventional & Analogue Addressable Fire Alarm Control Panels



A range of LPCB approved to EN54 Analogue Addressable Control Panels with Apollo XP95 and Apollo Discovery Protocol using Windows based software. Optional Hard Copy Printer Supports Loop Driven Sounders and conventionally wired sounders. Fully programmable inputs and outputs Integral PSU Charger with space for 2 x 12 volt 7Ah Batteries. Two wire full function Repeater Panels.

Voyager - 1-2 Loop 16 Zone Control Panels with XP95 Protocol & Repeater Panels

Discovery - 1-4 Loop 32 Zone Control Panels with XP95 or Discovery Protocol with Graphics Package & Network facilities

Nexus - 1-8 Loop 64 Zone Control Panels with XP95 Protocol & Graphics / Repeater

Surveyor range Single Loop Analogue Addressable Control Panel with Apollo XP95 Nittan and Hochiki Protocol

Elite 1 - Single Loop 16 Zone Control Panels to EN54 and BS 5839 Pt.4 with integral 3 amp PSU Charger Space for 2 x 12 volt 7AH sealed lead acid Batteries RS485 2 wire Repeater Panels and 2 conventional Sounder outputs Optional integral hard copy Printer & semi-recessing Bezel Elite Protocol will support Loop driven Sounders Up to 126 Devices on Loop



Surveyor range of Conventional Control Panels 1-4 Zones with optional "Two Wire" protocol for circuits with Actuation/Detection Devices and Bells/Electronic Sounders on the Detection circuit thereby alleviating the necessity for separate Sounder Circuits. Integral Detector removal monitoring Engineers walk test Non-Latch Fire Zones with integral PSU Charger Space for 2 x 12 volt 7AH SLA Batteries. Semi-Recessing Kit and Repeater Panels available.

Envoy 1 Ecm - Single Zone economy Control Panels - Conventional or 2 Wire

Envoy 1 Ext - Single Zone Control Panel Extendable to 4 - Conventional or 2 wire

A range of Single and Multi-Loop Analogue Addressable Fire Alarm Control Panels, with Apollo XP95 or Hochiki ESP Protocol with integral PSU Charger and optional integral hard copy Printer Windows programing software with unique infra red remote control or Qwerty Keyboard programming Optional. Fully programmable extension Sounder/Relay boards two wire multiplexed Repeater Panels & Network facilities Protocol will support Loop Driven or conventionally wired Sounders.

Juno SL/TL - Single - Three Loop Control Panels

Juno ML - Two - Sixty Four Loop Control Panels



Surveyor range of 2-16 Zone Conventional and "Two Wire" Fully programmable Control Panels designed to EN54 Pt.2 & 4 with Nittan Apollo and Hochiki Protocol Keypad controls and programming two wire full function Repeater Panels Integral 3 amp PSU Charger with space for 2 x 12 volt &ah sealed lead acid Batteries Optional Hard Copy Printer High Specification Conventional Fire Alarm Panel

Excell 2-16 - Two - Sixteen Zone Conventional Control Panels

Excell 2-16TW - Two - Sixteen Zone "Two Wire" Conventional Control Panels



Conventional Fire Alarm Control Panels & Call System Panel



A low cost conventional 1-10 Zone Fire Alarm Panel from the Nebula range of B.S. compliant Control Panels with integral PSU Charger and space for 2 x 12 volt 7AH SLA Batteries. Modular construction with state of the art Plug-in zone cards programmable via user friendly dill switches. Matching Repeater Panels

NEB - 1-10/S - One zone expandable to Ten Zones conventional Control Panel



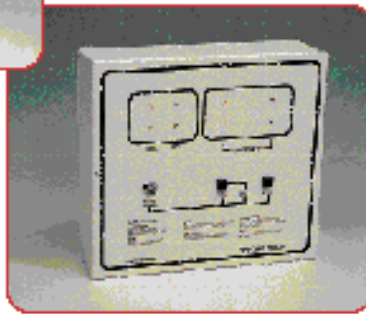
A low cost conventional 12-22 Zone Fire Alarm Panel of the Nebula series with integral PSU Charger with space for SLA Batteries Modular construction. Programmable Plug-in Zone cards. Optional sounder expansion boards. Engineers Walk test facility. Detachable front panel. Key activated controls. Smoked perspex display. Matching Repeater Panels. Compatible with most Device makes.

NEB 12-22-S - 12 to 22 zone expandable Control Panel



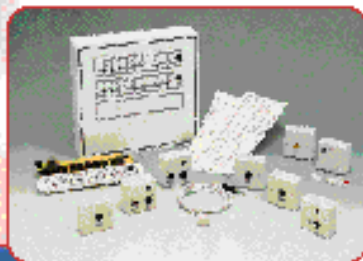
A low cost conventional 1-4 Zone Fire Alarm Control Panel from the Nebula series B.S. compliant with integral PSU Charger and space for 2 x 12 volt 7AH SLA Batteries. Programmable Plug-in Zone cards with facilities as for 10 zone.

NEB - 1-4-S - One zone extendable to Four zone conventional Fire Alarm Panel.



An extremely economic 1-2 zone Fire Alarm Control Panel B.S. compliant for the small basic conventional system integral PSU Charger with space for 2 x 12 volt 7AH SLA Batteries. Two monitored Sounder O/P and Fire Aux Relay Engineers Walk test.

NEB - 1-2/E - One-Two zone conventional Fire Alarm Control Panel.



Call System by Nebula comprising Control Panels and Repeater Panels. 10 way upgraded on site with further 10 way Modular Strips Unique labelling system, complete with Room Units for Call/Indicate/Reset Plug-in 2 Metre Bed Switch leads, Pull cord with indicator, Over-Door indicators, Etc. - A Complete Call System which can be tailor made to exact requirements.

NEB - 10-ACS - Assistance Call System



Surveyor 2000 range of conventional Fire Alarm Panels from 1-84 Zones with integral or remote PSU Charger with programmable Sounder/Relay expansion Modules. Programming function via control buttons on Panel facia 2 wire and 4 wire full function Repeater Panels Semi-recessing kit and perspex front lockable lid available.

2006/2012 - Six and Twelve Zone Programmable Control Panels

2024/2036 - Twenty Four/Thirty Six Zone Programmable Control Panels

Extinguishant Release Panels: Battery Charger Units: Auxiliary Relays: Transformer Rectifiers: Batteries: Emergency Lighting CBS Units

A complete range of **Battery Charger Units** Providing regulated 24 volt DC power supplies to Fire Alarm Panels. Door retainers and other ancillary equipment with audible, fault warnings and space for SLA Batteries up to 24 AH stand-by. Available in the following charger sizes at 24 volt DC :- 1.5Amp, 3Amp, 5Amp, 10Amp and 20Amp in standard Cabinet also a 5 Amp unit in a Cabinet to match the 2000 series F A Panels
BCU-24.** Battery Charger Unit ** = Current rating of Charger.



Control Auxiliary Relays Low Current 24 volt DC within a surface enclosure or sticky pad mounts SP & DP fuse protected contacts. Also a range of special application relay boards to interface two fire alarm panels & old 3 wire systems sounder. Circuit delay relays to maintain door retainer.



Surveyor series of **Extinguishant Release Control Panels** BS compliant Two coincidence zones and one peripheral zone. Monitored for short and open circuit faults Integral PSU Charger with space for 2 x 12 volt 7AH SLA Batteries. Optional remote Auto/Manual Lock-Off state indication and Extinguishant release **7003-1DK** - 3 zone two stage extinguishant release control panel.



Transformer Rectifier Units 24 volt DC in a surface enclosure complete with an integral C/O control relay fuse protected DC outputs.



- TRX-24-10-2** - 24 volt DC 1 Amp Unit
 - TRX-24-30-2** - 24 volt DC 3 Amp Unit
 - TRX-24-50-2** - 24 volt DC 5 Amp Unit
- De-rate by 50% for maximum continuous load

A Full range of **Central Battery Stand-by Emergency Lighting Control Panels** from small wall mounting units, to large floor standing Sine Wave Inverters with Phase failure relays Meters with full controls and indication.

Available in 12 volt, 24 volt, 48 volt, 120 volt and 240 volt outputs either non maintained or maintained units with Plante GRC or Nickle cadmium batteries. Full range of Slave Luminaires available to compliment each individual system.



Sealed Lead Acid rechargeable Batteries for Fire Alarm Panels at 12 volt DC per Battery. Available Ampere Hour:- 1.2AH, 2AH, 3AH, 7AH, 17AH, 24AH, 40AH and 70AH.

Nickle Cadmium Cells for Emergency Lighting and Fire Alarm Panels. Available in many configurations from a single 1.2 volt 4AH cell to two and three cell sticks and packs. Any voltage stick/pack can be supplied to order.



Smoke and Heat Alarm: Convention & Analogue Smoke & Heat Detections

Smoke and Heat Alarm Units - Battery or Mains/Battery which are inter-linkable up to a maximum of twelve Units 130, 140 & 150 series complies with B.S. 5839 Part 6 1995 for Detection within Dwellings. Optional Smoke Alarm locator switch and Remote Test and Hush Switch.

Smoke Alarm kit for the Deaf - Includes Mains powered Control Panel with 230 volt or 9 volt power option. Powerful Strobe light and vibrating disc to wake occupant, comes complete with 10 Metres of cable.

Carbon Monoxide Detector Alarm Units - Mains or Battery Powered with advanced sensor technology. Inter linkable with other Alarm Units.

Hochiki Detectors

The complete range of Conventional and Analogue Addressable Devices including Beam and Ultra Violet Flame Detectors. Addressable Loop Modules and Loop Sounders.

CDX Range of Conventional Smoke and Heat Detectors & Bases.

ASX and AS Range of Analogue Addressable Smoke Monitors, Heat Sensors, Addressable Call Points, Loop powered Sounders, Addressable Relays, Addressable Switch and Zone Monitors.

Beam Detectors Photo-electric 5-100m range zone powered

Flame Detectors Ultra Violet.

Intrinsically Safe Detectors Sounders Beacons Sounders and Zenner Barriers for detection zones within a Cabinet.

Nittan range of conventional Fast Response Heat Detectors and Bases with various fixed top temperature for all conditions.

NHD-G1 - Grade 1 Heat Detector 58 deg Centigrade

NHD-G2 - Grade 2 Heat Detector 66 deg Centigrade

NHD-G3 - Grade 3 Heat Detector 74 deg Centigrade

NHD-GH1 - Range 1 Heat Detector 80 deg Centigrade

Nittan Sensortec range of conventional Smoke Detectors with Bases Duct probe Devices Flame and Intrinsically Safe Devices

ST-I/4SD Ionisation Smoke Detector with Diode Base

ST-P/4SD Optical Smoke Detector with Diode Base

ST-I-IS Ionisation Intrinsically Safe BASEEFA Smoke Detector

NFD-68-P Flame Detector Ultra Violet

Nittan Sensortec Analogue Addressable Smoke & Heat Sensors Addressable Manual Call Points Loop output, Loop Input, Loop Sounder Modules & Short Circuit Isolators.

ST-I-AS/STB-4 - Ionisation Analogue Addressable Smoke Monitor with Base

ST-P-AS/STB-4 - Optical Analogue Addressable Smoke Monitor with Base

ST-H-AS/STB-4 - Analogue Addressable Heat Sensor with Base



Convention & Analogue Addressable Smoke & Heat Detections



Apollo range of conventional Smoke Detectors with standard Bases and "Two Wire" bases for "Twin Wire" systems. Also available are Intrinsically Safe Detectors, Marine Smoke Detectors and Integrating Ionisation Smoke Detectors.

Series 60 (17-28Volt) Optical and Ionisation Smoke Detectors with various bases

Series 65 (9-33Volt) Optical and Ionisation Smoke Detectors with various bases



Apollo range of conventional Heat Detectors with standard and "Two Wire" bases. Five grades available from 60-100 deg C in the Series 60 range, and from 57-90 deg C in the Series 65 range.

Series 60 (17-28 volt) Grades 1 2 & 3 Heat Detectors - 60;65;75 deg

Series 60 (17-28 volt) Range 1 & 2 Heat Detectors - 80;100 deg

Series 65 (9-33 volt) Rate of Rise Heat -57;75;90 deg Standard LED

Series 65 (9-33 volt) Static Heat - 90 deg Standard LED

Series 65 (9-33 volt) Rate of Rise - 57;75;90 deg Flashing LED

Series 65 (9-33 volt) Static Heat - 90 deg Flashing LED



Apollo range of Analogue Addressable Smoke Monitors with "Xpert" bases with Device Addressing Cards, Intrinsically Safe and Marine Monitors Loop powdered Sounders Input, Output, Zone and Sounder Addressable Modules.

XP95 range - Optical and Ionisation Smoke Monitors with "Xpert" bases

Discovery range - Optical and Ionisation Smoke Monitors with "Xpert" bases



Apollo range of Analogue Addressable Heat Sensors with "Xpert" bases with Addressing Cards complimenting the range of Smoke Monitors, Standard & High Temperature Sensors also Flame & Beam Detectors in the XP95 range.

XP95 range - Standard and High Temperature with "Xpert" bases

XP95 range - Flame Detector (Infra Red)

XP95 range - Beam Detector systems

Discovery range - Heat Detectors with "Xpert" bases

Automatic Door Retainer / Closer Units & Door Retainer Units



Briton range of over-door Door Retainer/Closers 24 volt DC.

Hold open and free swing types for various size fire doors .

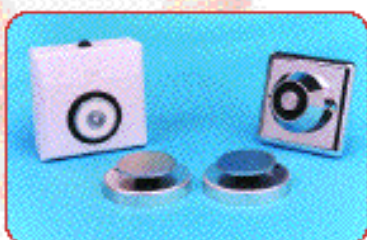
Briton 996 size 3 (Standard Door) hold open/free swing.

Briton 998 Free swing type for doors not to be held open.

Dorma range of over-door Door Retainer/Closers 24 volt

DC hold open types with sweep speed control.

Dorma TS73 /EMF size 3 hold open - sweep speed control.



Door retainer units, wall or floor mounting in 240 volt AC and 24 volt DC low current with door catchplates & chain. *Catchplates of various lengths available.*

Haes DR24-T87 24 volt DC wall mounting door retainer (*standard pull*).

Haes DR230-T87 24 volt DC wall mounting door retainer (*standard pull*).

Haes DR-volt-T87-EP Above units (*extra pull - 200 Newton's*).

Haes DR24-T59 24 volt DC flush mounting in polished chrome or brass.

Nebula DVDR/S Dual voltage input 24 volt DC/240 volt AC door retainers.

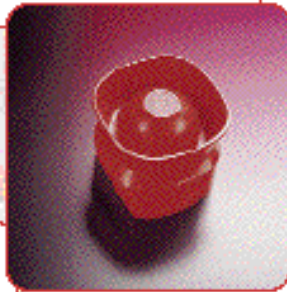


Fire Alarm Bells: Xenon Beacons: Combined Sounder/beacons: Sirens: Electronic Sounders: Voice Alarms Sounders: Fire Extinguishers



Motorised Fire Alarm Bells 24 volt DC Motorised Polarised Fire Alarm Bells with red Gongs and silver "Fire" Discs Available in three Gong sizes 100mm, 150mm & 200mm (Other voltages available)

Solenoid Fire Alarm Bells 24 volt DC 150mm Electronic Solenoid Fire Alarm Bells for internal applications IP65 Weatherproof gasketed Bell available for external use.



Internal Sirens High output Electronic Sounders 24 volt DC for internal use with manual audibility adjustment with integral backbox.

External Sirens High output Electronic Sounders 24 volt DC for external use with manual audibility adjustment with integral gasketed backbox.



Electronic Sounder/Beacon Low profile 24 volt DC Electronic Sounder with integral Xenon Beacon Low Profile Electronic Sounder Bases for installing under Smoke/Heat Detectors.



Electronic Sounders and Xenon Beacons

A range of Low Profile shallow or deep mounting Electronic Sounders with a range of 33 Sound Tones & adjustable audibility output 24 volt DC low current consumption Polarised & weatherproof to IP65.

Electronic Xenon Beacons

A range of low profile shallow or deep mounting Intelligent low current 24 volt DC beacons. Choice of Lenses colours voltages and bases. High and low output beacons are available.



Fire Extinguishers & Blankets - Supply only

A range of Fire Fighting appliances in the following types & sizes:-

Water: 9ltr: AFFA Foam 2ltr, 3ltr, 6ltr & 9ltr

Dry Powder: 2kg, 4kg, 6kg & 9kg

Carbon Dioxide: 2kg & 5kg

Fire Blankets: 1.2m x 1.2m & 1.2m x 1.8m

All the above can be supplied and fitted on site if required



Extinguisher Cabinets Stands & Sand Fire Buckets

- Range of cabinets for single or double Fire Extinguishers with doors
- Range of Fire Extinguisher Floor Stands for single, double or triple canisters
- Range of Mobile Fire Point Trolleys with or without integral Alarm Bell
- Fire Buckets with Lids & Wall Brackets (metal or plastic)

Emergency Lighting - Self-contained ,Slave Luminaires & Conversion Kits

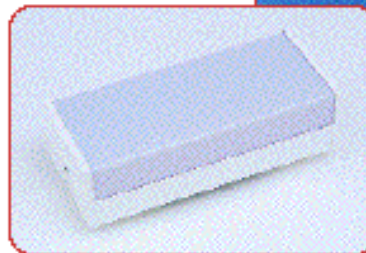
8 Watt Emergency Luminaires from JSB

High quality Luminaires with high performance outputs through Prismatic or Opal diffusers. The range consists of self-contained, non-maintained & maintained Luminaires for surface or semi-recessed mounting. Slave Luminaires available in 24 volt, 50 volt & 110 volt AC/DC **Luminaire reference Ekolux Jubilee Sintralite & Zetalite**



8 Watt Metal Bodied Emergency Luminaires from BLE

General purpose compact self-contained or slave compact emergency Luminaire non-maintained or maintained units. Choice of white, brass or chrome finished metal & opal diffuser surface, semi-recessed or recessed & optional self-adhesive "Exit" **Legend kits Luminaire reference BL3**



16 & 28 Watt Emergency Luminaires from BLE

Range of surface mounting self-contained Luminaires with either 16 watt or 28 watt 2D tube in non-maintained, maintained or slave versions. Round or square profile units. The square Luminaires particularly suitable for surface mini-trunking installations with charger LED corner mounted. **Luminaire references BD2R & BD2S**



4 - 70 Watt Linear, 2D & Dichroic Conversion Kits

Range of BLE Conversion kits for Linear fluorescent Luminaires, 16 & 28 watt Hi-frequency ballast kits, 20, 35 & 50 watt Dichroic power packs providing 3 hour emergency facility. All conversion modules, kits and power packs are complete with battery packs



8 Watt Quality low cost IP65 Emergency Luminaires from BLE

Range of modern Bulkhead Luminaires non-maintained, maintained, mains or slave units for surface or semi-recessing applications. Optional self adhesive "Exit" Legend Kits and Anti-Tamper screw kits available. **Luminaire references:- B1L, BL1 & BL2**



8 Watt High Quality IP65 Emergency Luminaires by JSB

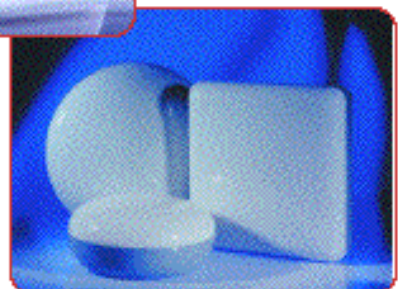
A Range of high specification external bulkhead ICEL Luminaires self-contained, non-maintained, mains & slave units available with semi-recessing bezel. AG mains unit also available with 11 watt Compact Lamp. **Luminaire references Alfalux & AG**



16 & 28 Watt Circular & Square Emergency Luminaires from JSB

A range of high quality 16 & 28 watt 2D Luminaires with Opal Diffusers are available in non-maintained, maintained, 230 volt AC mains & slave units for connection to a 50 or 110 volt Central Battery system. Both circular and square body are available in white as standard with optional brass or chrome finish.

Luminaire reference:- "Fairlite" RG & SG





Emergency Exit Signs - Wall Signs & Call Points



8 Watt Emergency Exit Luminaires from BLE

A complete range of Exit Luminaires for all applications. Offering small, medium & large units for various requirements. Non-maintained & maintained units in white, brass or chrome painted finishes. Single or doubled sided with Euro Exit legends and special "Cinema" Exit legends. Automatic test facility also available.

Exit Luminaire references **BE, BEN, BE2 & BE2DS**



8 Watt Emergency Exit Sign & Downlighter by JSB

High quality Emergency Exit Luminaire providing a high level of threshold light over the surrounding floor. Available as non-maintained or maintained units or as Slave Luminaires in 24, 50 & 110 volt AC/DC connected to a central battery unit.

Exit Luminaire reference "Waylite" **WL800**



8 Watt High Quality Large Exit Luminaire from JSB

Emergency Exit sign non-maintained or maintained units or as 50 & 110 volt AC/DC slave units. Exit Luminaire reference "Exit-SE" **SE8**



8 Watt Hanging/Wall Swan Neck Exit Signs by BLE

A range of suspended directional Emergency Exit. Luminaires available as non-maintained or maintained with a choice of white, brass & chrome finish. Supplied with top connection box and matching chain for ceiling suspension or with swan neck wall applications. Slave units also available. All supplied with Euro legend plates.

Exit Luminaire reference **BE300**



Signs for Health & Safety Information & Hazardous Areas

Full range of signage including custom made signs to specifications. Made in rigid PVC plastic, aluminum, self adhesive vinyl & hilume rigid photo luminescent PVC in various sizes.

Categories provided cover the following :-

Fire Signs - Emergency Escape, Fire Action Notices, Call Point Signs, Fire Fighting Equipment & Extinguisher Identification.

Hazard - Electrical, Chemical, Machine, Vehicle & Lift Safety.

Mandatory - Personal Protection & Machinery.

Construction - General Construction Signs, Site & Personal Safety.

Traffic - Safety, Regulatory & Warning Signs, Vehicle.

Management - Tapes, Hazard Cones, Frames, Chains & Reflectors.



Manual Call Points from KAC

A full range of manual call points for all Fire Alarm systems. Conventional units for short circuit or resistive alarm. Sav-Wire electronic Call Points and Addressable Call Points for Apollo, Nittan and Hochiki Analogue systems.

Key operated units, door and extinguish ant release units also available.