

8

Detection & Alarm

Electronic & Stand Alone Fire
Alarm Detection





Section 8

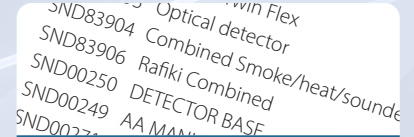
DETECTION & ALARM



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APOLLO RANGE

SERIES 65 RANGE - CONVENTIONAL DETECTION

- Complying to EN54 Pts 5/7/8 and LPC certificated.
- Wide operating voltage
- Advanced electronic technology
- Flashing LED option
- Magnetic test switch option
- Can be used on security systems
- Electrically and mechanically compatible with Series 60
- Proven detection performance

Part No.	Description
82/00399	Ionisation smoke detector
82/00400	Optical smoke detector
82/00401	Heat detector CR (84-100C)
82/00402	Heat detector A1R (54-65C)
81/03532	Heat detector CS
81/03533	Heat detector BR
82/00046	Common mounting base
F850287N	Common diode base



KAC MANUAL CALL POINTS (CONVENTIONAL)

KAC Manual callpoints - the industry's leading name in call point technology
Certified to EN54 Part 11, listed with LPCB to BS5839 Part 2.

Part No.	Description
82/00404	MCP indoor call point (surface mounted) - KAC EN54 PART 11
82/00406	Hinged cover for MCP - KAC EN54 PS200 (snap onto callpoint)
82/00407	Test key for MCP - KAC EN54
82/00062	Pattress box for class 2000 MCP KAC
82/00056	Transparent hinged cover for class 2000/4000 MCP KAC
82/00058	Replacement glass for class 2000/4000 MCP (5 pack) KAC
82/00060	Spare test key for class 2000/4000 MCP (10 pack) KAC
81/03541	Non Breakable MCP Glass





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XP95 RANGE (ANALOGUE ADDRESSABLE DETECTION)

- Digital Protocol for error-free transmission
- Alarm Flag for fast alarm reporting
- Alarm Address for fast location of alarm
- Automatic addressing with the patented XPERT card
- Electronics-free, easy fit base
- Easy to install and compatible with wide range of panels installation
- Compatible with Series 90 and Discovery
- Wide range of products

Part No. Description

82/00097	Optical sensor XP95 Apollo
F850505N	Optical/heat multi sensor XP95 Apollo
82/00100	Heat standard temperature XP95 Apollo 55 deg
82/00101	Heat high temperature XP95 Apollo 90 deg
F850697N	Beam detector XP95 Apollo
F850544N	Beam reflector XP95 Apollo
F850459N	Isolating base for up to 20 XP95 Sensors Apollo
F850289N	Blank expert card for XP95 Apollo
F850352N	Input output unit
82/01000	Detector base

**xP95 RANGE SOUNDERS/BEACONS**

The Intelligent Open-Area Sounder/Beacons are designed for use in open areas and can be connected to any Discovery or XP95 system.

Part No. Description

F852054N	Open area sounder red
F852056N	Open area sounder/beacon
F852080N	Integrated base sounder
F850876N	Sounder/beacon base
F852429N	Wall beacon (red flash) - VAD
F3951914N	LED beacon (24V) with red flash - VID

□ Addressable Analogue Manual Call Points**APOLLO XP95**

- Plug and play terminal connections for fast wiring
- Allow wiring continuity testing before fitting
- Reports an alarm in under 0.2 seconds
- Resettable element

Part No. Description

F850070N	Waterproof IP65 MCP for XP95 Apollo
82/00125	Surface MCP for XP95 Apollo





HOCHIKI ESP RANGE

- Digital serial communication with immunity to noise Enhanced Systems Protocol (ESP)
- Built in Interrupt capability for fast response to call point operation and sensor fire alarms
- High resolution analogue readings
- Low Power Mode reduces loop standby currents when operating on batteries
- Supports multi I/O devices allowing up to 8 digital inputs and outputs per address
- Built in functions to help find and protect against double addressing faults
- Supports group commands for sounder activation and synchronisation
- Supports up to 240 different device types
- Addressing in any sequence provides flexible data gathering and output activation
- Simple transmission method for easy fire alarm control panel interface and reliable operation

Part No.	Description
F850344N	Optical sensor ESP Hochiki
F850346N	Heat rate of rise sensor ESP Hochiki
F850499N	Optical/heat multi sensor ESP Hochiki
F850347N	Addressable base for ESP Hochiki
F850500N	Isolator module for ESP Hochiki
F850318N	Monitoring module mini zone for ESP Hochiki
F850317N	Zone monitor for ESP Hochiki
F850322N	Relay output module for ESP Hochiki
F850321N	Dual switch monitor for ESP Hochiki
82/00124	Hand held programmer for ESP Hochiki



HOCHIKI CDX RANGE

The CDX range is a well established range of photo electronic devices. Hochiki's flat response technology enables the photo electronic device to be equally sensitive to a much wider range of combustible materials.

Part No.	Description
F850379N	Photoelectric smoke detector SLK-R CDX range
F850384N	Heat detector fixed temperature (90C) CDX range
F850383N	Heat detector rate of rise Grade 1 (60C) CDX range
F850380N	Combined heat detector Grade 2 (60C) CDX range
F852004N	Beam detector CDX Hochiki
F850385N	Common mounting base CDX Hochiki





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RAFIKI RANGE

Part No.	Description
SNP00319	2 Zone Panel
SNP00381	4 Zone Panel
SNP00635	4 Zone Twin Flex
SND00253	Optical detector
SND83904	Combined Smoke/heat/sounder
SND83906	Rafiki Combined
SND00250	DETECTOR BASE
SND00249	AA MANUAL CALL POINT
SND00271	RAFIKI MANUAL CALL POINT
F851406N	SOUNDER BEACON LED
SND00254	SOUNDER BEACON

RELAY

Part No.	Description
SNT00105	Relay Box / White Bristol (ISO/Switch)

FIRE BELL

The fire bell is the oldest form of a signalling device available in the market. Although they are not as flexible as electronic sounders, they produce a distinctive universally recognisable sound.

Part No.	Description
82/00064	6" bell motorised 24V klaxon



SOUNDERS

The range of fire alarm sounders incorporates Sonos sounders for small to medium commercial applications.

Part No.	Description
F851128N	Sonos sounder shallow base red 24V
F850811N	Sonos base sounder cover
F850285N	Sonos Sounder Red Shallow
F850486N	Sonos Sounder / Beacon Red Shallow



MAGNETIC DOOR RETAINER UNITS

The magnets are constructed with a pressed coil and anti-remenance pin, giving them a protection of IP54. The protection diodes are integrated into this construction. The plastic housing is manufactured from Bayblend and contains 30% PA6 glass fibre, which makes it much stronger than standard ABS. Bayblend offers high heat resistance, high impact and notched impact strength, and high stiffness and dimensional stability.

Part No.	Description
82/00847	Universal Bracket Wall Or Floor Mounting - 150mm
82/00848	Universal Bracket Wall Or Floor Mounting - 300mm
82/00849	Door Holder, Surface Mount, 400N, with Release Button
82/00850	Door Holder, Square Base, 400N
82/00851	Door Holder, Flush Mounting, 400N
82/00852	Door Holder, Wall Mount, 400N, with Release Button
82/00853	Door Holder, Floor Mounting, 400N, with Release Button
82/00854	Door Holder, Universal Adjustable Tube, 400N, with Release Button, 175mm
82/00855	Door Holder, Universal Adjustable Tube, 400N, with Release Button, 325mm
82/00856	Door Holder, Universal Adjustable Tube, 400N, with Release Button, 475mm
82/00857	Door Holder, Surface Mount, 400N, Mains Powered



MAGNETIC DOOR HOLDER WITH
RELEASE BUTTON



MAGNETIC DOOR HOLDER FLUSH
MOUNTING



MAGNETIC DOOR HOLDER FLOOR
MOUNTING



MAGNETIC DOOR HOLDER SQUARE
BASE



MAGNETIC DOOR HOLDER WITH
RELEASE BUTTON



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DETECTOR TESTING

A

B

Part No.	Description
F850210N	400ml Gas safe smoke aerosol (A)
F852540N	Solo Test Gas 360ml (B)



□ Power Supply Units



EN54-4 APPROVED PSU 24VDC
5A+1.6A



EXTERNAL BATTERY BOX FOR USE
WITH PM705C

POWER SUPPLIES

The PM702C and PM705C are fully featured EN54-4 approved power supply units ideal for use in fire system applications. They feature intelligent battery charging, monitoring and signaling. Regulated 27.6 VDC output will source up to 5A into the load (PM705C) as well as providing up to 1.6 A for charging the standby batteries. The load output features full electronic short circuit protection under both mains and standby battery operation. Maximum battery life is assured through continuous active battery monitoring and 3 different charge levels: bulk (fast charge), absorption and temperature compensated float. Deep discharge protection prevents premature battery failure when operating from standby for extended periods.

Part No.	Description
82/00858	24 Volt 2A + 0.8A EN54-4 approved power supply
82/00859	24 Volt 5A + 1.6A EN54-4 approved power supply
82/00860	External battery box for use with PM705C
82/00861	Battery extension lead for PM705C

YUASA BATTERY RANGE

NP RANGE (PREMIUM)

- Deep discharge recovery
- Security from electrolyte leakage
- Oxygen recombining
- Float or cyclic use
- Usable in any orientation
- Lead calcium grids giving long life

Part No.	Description
82/00192	SLA Battery 1.2 Ah 12 volt
82/00193	SLA Battery 2.1 Ah 12 volt
82/00194	SLA Battery 2.8 Ah 12 volt
81/03585	SLA Battery 3.2 Ah 12 volt
82/00195	SLA Battery 7.00 Ah 12 volt
82/00196	SLA Battery 12.0 Ah 12 volt
82/00198	SLA Battery 17.0 Ah 12 volt
82/00197	SLA Battery 24.0 Ah 12 volt



(VALUE) RANGE

Manufactured by Yuasa, a range of maintenance-free, rechargeable, sealed lead acid batteries for use in alarm systems, emergency lighting.

Part No.	Description
82/00007	Battery 1.2 Ah 12 volt
F850053N	Battery 3.2 Ah 12 volt
81/03650	Battery 7.2 Ah 12 volt
81/03651	Battery 12.0 Ah 12 volt
82/00201	Battery 17.0 Ah 12 volt
81/03652	Battery 24.0 Ah 12 volt





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INTERLOGIC BATTERIES

Part No.	Description
F3951637N	Battery 12V 2.2 AH
82/00863	Battery 12V 3.2 AH
F850896N	Battery 12V 7.2 AH
F850897N	Battery 12V 12 AH
F850898N	Battery 12V 18 AH
F850899N	Battery 12V 26 AH
82/00862	Battery 12V 45 AH
82/00864	Battery 12V 65 AH



BATTERY 12V 2.2 AH



BATTERY 12V 3.2 AH



BATTERY 12V 7.2 AH



BATTERY 12V 12 AH



BATTERY 12V 18 AH



BATTERY 12V 26 AH



BATTERY 12V 45 AH



BATTERY 12V 65 AH



□ Emergency Lighting

EXIT BOX

- Dual circuit PCB (NM & M)
- Down arrow fitted as standard
- 36 metre viewing distance
- Designed with down light panel

Part No.	Description
82/00272	Exit box 8 Watt maintained



TWIN SPOT

- Strong white steel enclosure
- Powerful beam 20 Watt lamps
- Fully adjustable heads
- Fitted with 3 hour battery and 20 Watt Heads

Part No.	Description
F850283N	Twin spot 3hr non-maintained

BULKHEAD LUMINAIRES

- 4Ah Nickel Cadmium Battery
- IP65 Weatherproof Rated
- Snap Shut hinged gear tray
- Strong Freznel Diffuser

Part No.	Description
F850885N	Bulkhead luminaire 8 Watt 3hr maintained and non-maintained IP65 - LED



FIRE CABLE

- Manufactured to BS 7629-1
- Tested and approved by LPCB and BASEC
- Supplied in 100 meter coils
- Prysmian Gold standard

Part No.	Description
81/03672	FP200 fire cable 2 core 1.5mm red 100m
81/03673	FP200 fire cable 4 core 1.5mm red 100m





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**DISABLED PERSON TOILET ALARM**

- Attractively designed, easy to install and simple to use
- Allows a distressed person to raise an alarm in the event of an emergency
- Simply pull the cord to activate a light and sounder outside the WC

Part No.	Description
82/00231	Standard toilet alarm system

EVACUATOR RANGE**SITEMASTER**

- Combined Sounder and Strobe
- 110db Sounder
- Tough and Durable - ABS Plastic Construction
- 25 Units can be linked to form a system with a greater coverage

Part No.	Description
82/00865	Evacuator push button
82/00866	Evacuator break glass



**ABS PLASTIC CASE****Howler HO1**

- Simple push on and push off to operate
- New design red casing in tough ABS plastic
- Recommended for internal and external use with IP65 rated switch
- Equipped with 118dB Siren
- External dimensions H300 x W200 x D120mm
- Supplied with 9v PP9 battery

Part No.	Description
82/00422	Howler alarm - push on, push off
82/00443	Howler alarm - push on, push off c/w multilink option
82/00453	Howler alarm - push on, push off c/w red strobe

**Howler HO2**

- Simple push on and twist off anticlockwise to operate
- New design red casing in tough ABS plastic
- Recommended for internal and external use with IP65 rated switch
- Equipped with 118dB siren
- External dimensions H300 x W200 x D120mm
- Supplied with 9v PP9 battery

Part No.	Description
82/00426	Howler alarm - push on twist off
82/00445	Howler alarm - push on twist off c/w multilink option
82/00455	Howler alarm - push on twist off c/w red strobe

**Howler HOCP**

- HOCP model prevents unauthorised silencing of the alarm
- New design red casing in tough ABS plastic
- Recommended for internal use only
- Equipped with 118dB siren
- External dimensions H300 x W200 x D120mm
- Supplied with 9v PP9 battery and two re-setting keys

Part No.	Description
82/00423	Howler alarm - call point operated
82/00441	Howler alarm - call point operated c/w multilink option
82/00451	Howler alarm - call point operated c/w red strobe





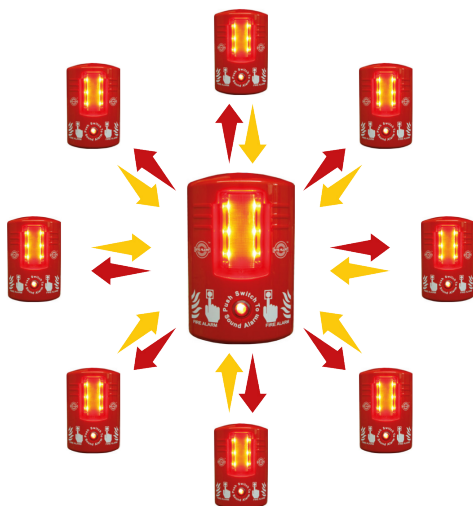
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Howler Site Alarm

- Dimensions H260 x W160 x D75mm
- Volume 98dB at 1000mm
- Power Source 9VPP3 Battery
- Casing Material ABS Plastic

Part No	Description
82/03508	Howler Site Alert (SA01)



Howler "Wireless" Site Alert RF

- Designed for smaller sites with smaller budgets
- Designed for incredibly simple installation and operation, each system has a Master Unit, and up to 30 Subsidiary units can be linked to it.
- The alarm can be activated at any point, and is silenced by pressing the button on any unit 3 times in succession.
- The system includes a silent automatic disconnection warning (If any Site Alert becomes disconnected for a pre-set period of time, an LED illuminates on the unit).
- The weatherproof design is suitable for indoor and outdoor locations and the units are powered by standard, readily available alkaline batteries.

Part No	Description
81/03583	Site Alert Wireless "Master" (SA02)
81/03584	Site Alert Wireless "Sub unit" (SA02)

CALL POINT COVER ALARMED

- Constructed from tough clear polycarbonate
- Battery powered integral sounder emits a piercing 96dB (at 1 metre).
- Easy to install, can retrofit over existing device
- Protects equipment from accidental operation, vandalism, product misuse, dust and weather
- Lock or break seal options for added security
- Cover backed by a lifetime guarantee against breakage in normal use
- Polycarbonate tested from -40°C to 49°C

Part No.	Description
46/60152	Eurostopper - multikit surface mounted call point cover with integral sounder (ST115C20ML)
81/03342	Eurostopper - multikit surface mounted call point cover without integral sounder (ST115C10ML)

