



NIBBLE

Product
Catalog

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Presentation

ABOUT NIBBLE

NIBBLE is a Portuguese manufacturing company founded in 2004.

We specialized on Electronics Engineering Project Management and Development with internal R&D. We seek to be a market reference with excellence products and solutions which are entirely developed and manufactured by NIBBLE

Our core business is the product and solution in areas such as Security, Domotics, GPS and GSM/GPRS, LED Lighting, Electronics, which are a reference in the national market. Consulting and Project NIBBLE is a strengths and a competitive advantage with know how specialize and a strong internal R&D which comes from nibble's long experience that comes from a various range of project with importance from a national and a international point of view. This projects were totally conceived in Portugal.

NIBBLE is a trademark and its products are in conformity with CE marking. that means in conformity to the European Directive that have been an investment on quality and distinction.

NIBBLE collaborates focused on to achieve results and goals which are proposed by its Customers and Partners. Always counting on precious support of its own team, they are committed with integrity, dignity and respect for people and the rules.

NIBBLE is committed to continuously improve and maintain customer satisfaction, with the best solutions.

NIBBLE continuously innovating...

MISSION

Contribute to a world where the technology is to serve the welfare and safety for everyone, developing products and solutions of excellence, innovative and technologically advanced.

VISION

NIBBLE aspires to be a reference company with international expression and acknowledgment of skills in R & D in the application of electronic technology and telecommunications in all the products and solutions that develops. Promote which each one of their collaborators feel good and motivated, imbued with corporate values and culture.

VALUES

NIBBLE invests continuously on innovation, technical training and expertise though its strengthen

R&D

R&D. Its products and solutions are designed and developed to provide an efficient response to the customers and market needs, add them value, differentiation and competitiveness.

NIBBLE wants to contribute to creation of wealth/prosperity support on sustainable growth the products and services made in Portugal and to add value their collaborators, partners and customers.

Excellency and Quality

NIBBLE reinforces a high performance management and quality during the process of design and production of its products and solutions. In the same way, NIBBLE promotes synergies and dynamic relations with its customers and partners.

NIBBLE provides a management base on knowhow and satisfaction.

Trust and partnership

Trust and partnership are the pillars of, relations, they promote crucial workforces and synergies. NIBBLE values the trust and works hard to maintain the high levels of trust and cooperation which stakeholders are used to.

The NIBBLE formalized institutional relationships and creates affective and partnership ties with its Customers, Suppliers and Collaborators and considers that all of them are part of TEAM NIBBLE.

SERVIÇOS

**Product development
Consulting & project
CAD/EDA e Prototipagem PCB**

ACREDITAÇÃO

FIRE DETECTION

ANALOGUE ADRESSABLE SYSTEM

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NURIA

SOTERIA

DISCOVERY®

XP95

Learn more at nibble.pt/analogicoenderecavel

Nuria PANEL

NURIA

As Centrais de Detecção de Incêndios FIREWALL aliam o melhor da tecnologia ao design elegante e interface simples e intuitiva na prevenção e deteção de incêndios. As FIREWALL estão em conformidade com a norma EN-54, oferecendo elevados padrões de segurança.



Analogue Addressable System



ESPECIFICAÇÕES TÉCNICAS

Alimentação principal
100 - 240 VAC, 50/60 Hz 45 VA

Bateria
1x 12 VDC, 7 Ah ou (or) 6 VDC, 12 Ah

Corrente em repouso
60 mA

Corrente máxima
1 A

Fusíveis
Alimentação principal - 4 A
24V - 1.6 A
Sirene - 500 mA

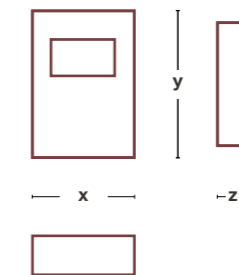
Saída para sirene(s)
24 VDC, 500 mA

Contactos de relé
250 VAC, 10 A

Saídas auxiliares de zona (coletor aberto)
80 VDC, 500 mA

Zonas
24 V, < 65 mA
até 32 detetores convencionais, com-resistência de terminação em paralelo de 3300 Ω, 1/4 W. (Botoneiras com díodos zener série 5V1, 1/4 W)

Dimensões



y | x | z
360 mm | 255 mm | 93 mm

Furação para cabos
8 x Ø 20 mm

ÁREAS DE APLICAÇÃO



NNR

Analogue Addressable System



Analogue Addressable System

DETECTORS

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SOTERIA[®]

DISCOVERY[®]

XP95

Soteria Heat Detector (Non-Isolating)

SOTERIA[®]

The Soteria Heat Detector features two heat sensors located laterally to ensure accurate heat detection in all orientations.



SA5000-400APO

Soteria Optical Smoke Detector (Non-Isolated)

SOTERIA[®]

The Soteria Optical Smoke Detector uses new optical sensing technology, PureLight[®], to detect smoke particles entering the chamber. PureLight marks a new stage in the development of Apollo optical technology and aims to reduce the possibility of false alarms whilst increasing the reliability of detection of a real fire.



SA5000-600APO

Soteria Optical/Heat Multisensor Detector (Non-Isolated)

SOTERIA[®]

The Soteria Optical/Heat Multisensor Detector uses new optical sensing technology, PureLight[®], to detect smoke particles entering the chamber and is fitted with two thermistors for detecting heat. It can be switched to detect smoke, heat or a combination of both offering greater flexibility.



SA5000-700APO

Soteria Dimension Optical Detector

SOTERIA[®]

The innovative design of the Soteria Dimension Optical Detector differs from standard fire detectors, having no chamber and being flush mounted. A new optical sensing technology is used to detect smoke particles outside the detector housing. A combination of Infra-Red (IR) LEDs and photo-diodes identify smoke particles, detected just below the detector housing and initiates an alarm.



FL5100-600APO

Analogue Addressable System



FL6100-600APO

Soteria Dimension Specialist Optical Detector

SOTERIA[®]

The Soteria Dimension Specialist Optical Detector is independently certified to DHF TS001 for anti-ligature use in specialist areas. The innovative design of the Soteria Dimension Specialist Optical Detector differs from standard fire detectors, having no chamber and is flush mounted. A combination of Infra-Red (IR) LEDs and photo-diodes identify smoke particles, detected just below the detector housing and initiates an alarm.



55000-400APO

XP95 A2S Heat Detector

XP95

The XP95 Heat Detector monitors temperature by using a single thermistor which provides a count output proportional to the external air temperature. The XP95 range features two heat detectors, standard and high temperature. The standard heat detector is classified as an A2S device and will report an alarm at 55°C. The high temperature detector, classified as a CS device, will report an alarm at 90°C.



55000-401APO

XP95 CS Heat Detector

XP95

The XP95 Heat Detector monitors temperature by using a single thermistor which provides a count output proportional to the external air temperature. The XP95 range features two heat detectors, standard and high temperature. The standard heat detector is classified as an A2S device and will report an alarm at 55°C. The high temperature detector, classified as a CS device, will report an alarm at 90°C.



55000-600APO

XP95 Optical Smoke Detector

XP95

"The XP95 Optical Smoke detector uses an internal pulsing infrared LED and a photo-diode at an obtuse angle. In clear air conditions the photo-diode in the XP95 detector receives no light from the LED and produces a corresponding analogue signal. The signal increases when smoke enters the chamber and light is scattered onto the photo-diode. The optical smoke detector has an indicator LED which emits red light when the detector is in alarm."

XP95 Multisensor Detector

XP95

The XP95 Multisensor Detector contains an optical smoke sensor and a thermistor temperature sensor whose outputs are combined to give the final analogue value.



55000-885APO

Discovery Carbon Monoxide Detector

DISCOVERY[®]

Discovery CO fire detectors contain a long-life electro-chemical carbon monoxide sensor which is tolerant of low levels of common vapours and household products. The detection capabilities are enhanced by a rate-sensitive response. The analogue reply from the detector is rate limited to remove nuisance alarms resulting from short-term high levels caused by sources such as pipe smokers or gas flame ignition.



58000-300APO

Discovery CO/Heat Multisensor

DISCOVERY[®]

The Discovery CO/Heat Multisensor Detector contains a CO detection cell and a thermistor temperature sensor whose outputs are combined to give the final analogue value. The CO/Heat Multisensor detects the presence of carbon monoxide or heat or a combination of both. The signals from the CO sensing cell and the thermistor are independent and represent the amount of CO or the temperature present in the vicinity of the detector.



58000-305APO

Discovery Heat Detector

DISCOVERY[®]

Discovery heat detectors have a common profile with ionisation and optical smoke detectors but have a low air flow resistance case made of self-extinguishing white polycarbonate. For the European standard version of the detector, the five modes correspond to five "classes" as defined in EN 54-5. The classes in this standard correspond with different response behaviour, each of which is designed to be suitable for a range of application temperatures. All modes incorporate "fixed temperature" response, which is defined in the standard by the "static response temperature".



58000-400APO



Discovery Optical Smoke Detector



The Discovery Optical Smoke Detector operates using the light scatter principle and is ideal for applications where slow-burning or smouldering fires pose a potential risk.

58000-600APO



Discovery Multisensor Detector



The Discovery Multisensor Detector consists of optical smoke and thermistor temperature sensors which give both a combined signal as well as a separate heat signal for improved false alarm management.

58000-700APO



Marine Intelligent Base Mounted UV Flame Detector



The Marine Intelligent Base Mounted UV Flame Detector is designed to protect enclosed indoor areas where open fires may be expected. The detector has a fast acting response to flames up to 25m away and is equipped with a single UV sensor with a narrow spectral response in order to discriminate between flames and most spurious sources of radiation.

55000-027MAR



Marine Intelligent Base Mounted UV IR² Flame Detector



The Marine Intelligent Base Mounted UV Dual IR Flame Detector is designed to protect open indoor areas where open flaming fires may be expected. The detector has a UV and dual IR sensors responding to different wavelengths in order to discriminate between flames and spurious sources of radiation.

55000-028MAR

Marine Intelligent Base Mounted IR³ Flame Detector



The Intelligent Base Mounted IR3 Flame Detector is designed to protect all indoor areas, even in dirty or smoky conditions where open flaming fires may be expected. The detector has three IR sensors that respond to different IR wavelengths in order to discriminate between flames and spurious sources of radiation.



55000-029MAR

Intelligent Duct Smoke Detector



The Intelligent Duct Smoke Detector provides early detection of smoke in the air moving through heating and ventilation (HVAC) ducts in commercial and industrial premises. Its purpose is to prevent the re-circulation of smoke from an area on fire to areas unaffected by the fire when used with a XP95 or Discovery detector



53546-022APO

Intelligent IR³ Flame Detector



The Intelligent IR3 Flame Detector is designed to protect areas where open flaming fires may be expected. It is sensitive to low frequency, flickering infra-red radiation emitted by flames during combustion.



55000-020APO

Intelligent Base Mounted UV Flame Detector



The Intelligent Base Mounted UV Flame Detector is designed to protect enclosed indoor areas where open fires may be expected. The detector has a fast acting response to flames up to 25m away and is equipped with a single UV sensor with a narrow spectral response in order to discriminate between flames and most spurious sources of radiation.



55000-022APO



55000-023APO

Intelligent Base Mounted UV IR² Flame Detector



The Intelligent Base Mounted UV IR² Flame Detector is designed to protect open indoor areas such as aircraft houses, generator rooms and paint works where open flaming fires may be expected. The detector has a UV and dual IR sensors responding to different wavelengths in order to discriminate between flames and spurious sources of radiation.



55000-268APO

Intelligent Reflective Beam Detector 5-50m



The Intelligent Reflective Beam Detector differs from a traditional beam detector in that it is a single unit which houses a transmitter, a receiver and the control electronics. The beam detector is available in two versions: a single reflector model for distances of 5-50m and a more powerful four-reflector unit for distances of 50-100m.



55000-273APO

Intelligent Reflective Beam Detector 50-100m



The Intelligent Reflective Beam Detector differs from a traditional beam detector in that it is a single unit which houses a transmitter, a receiver and the control electronics. The beam detector is available in two versions: a single reflector model for distances of 5-50m and a more powerful four-reflector unit for distances of 50-100m.



55000-280APO

Intelligent IR² Flame Detector



The Intelligent IR² Flame Detector is designed for use in areas where flaming fires may be expected. The detector has two sensors which respond to different IR wavelengths to discriminate between flames and spurious sources of radiation. Applications include aircraft hangars, coal handling and paper manufacturing plants and woodworking environments.

Intelligent Auto-Aligning Beam Detector



The Intelligent Auto-Aligning Beam Detector combines a transmitter/receiver in the same detector head with an automatic alignment motor. The Intelligent Auto-Aligning Beam Detector automatically compensates for environmental effects on the beam signal, keeping the unit in the best possible working order. This is achieved through the combination of software (automatic gain control) and motorised realignment of the beam.



SA7100-100APO

XPander A1R Heat Detector



There are two heat detectors in the XPander range, designed to suit a wide variety of operating conditions. A Static Heat Detector (CS) which responds only when a fixed temperature has been reached and a Rate-of-Rise Detector (A1R) which has a fixed upper limit, but in addition, measures the rate of increase in temperature.



XPA-HT-11170-APO

XPander CS Heat Detector



There are two heat detectors in the XPander range, designed to suit a wide variety of operating conditions. A Static Heat Detector (CS) which responds only when a fixed temperature has been reached and a Rate-of-Rise Detector (A1R) which has a fixed upper limit, but in addition, measures the rate of increase in temperature.



XPA-HT-11171-APO

XPander Optical Detector



XPander optical detectors are recommended for use as general purpose smoke detectors for early warning of fire in most installations. XPander optical detectors operate on the well established light scatter principle. The optical design of the XPander optical detector allows it to respond to a wide spectrum of fires. The detector is calibrated so that XPander is highly reliable in detecting fires but has enhanced immunity to false alarms.



XPA-OP-12034-APO



XPA-CB-14020-APO

XPander Sounder Visual Indicator (Red) and Optical Smoke Detector



The XPander Combined Sounder Visual Indicator and Detector is wireless and designed to provide a one point detection and notification. The integrated Optical Smoke Detector works on the light scatter principle and is ideal for applications where slow-burning or smouldering fires are likely.



XPA-CB-14021-APO

XPander Sounder Visual Indicator (Red) and A1R Heat Detector



The XPander Combined Sounder Visual Indicator and Detector is wireless and designed to provide a one point detection and notification. The integrated Rate-of-Rise Detector (A1R) has a fixed upper limit temperature but, in addition, measures the rate of increase in temperature.



XPA-CB-14022-APO

XPander Sounder Visual Indicator (Red) and CS Heat Detector



The XPander Combined Sounder Visual Indicator and Detector is wireless and designed to provide a one point detection and notification. The integrated Static Heat Detector (CS) responds only when a fixed temperature has been reached.



XPA-CB-14024-APO

XPander Sounder Visual Indicator (Clear) and Optical Smoke Detector



The XPander Combined Sounder Visual Indicator and Detector is wireless and designed to provide a one point detection and notification. The integrated Optical Smoke Detector works on the light scatter principle and is ideal for applications where slow-burning or smouldering fires are likely.

BASES AND ISOLATORS

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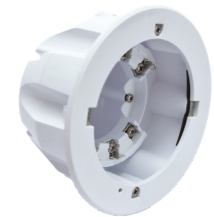


SA5000-200APO

XPERT 8 Intelligent Mounting Base

SOTERIA[®]

All detectors in the Soteria[®], Discovery[®] and XP95[®] range fit into the XPERT 8 Intelligent Mounting Base. The base has a wide interior diameter for ease of access to cables and terminals. The 'E-Z Fit' feature allows you to fit the base screws, place the XPERT 8 Intelligent Mounting Base over the screws, slide it into place and tighten the screws.



FL5000-200APO

Soteria Dimension Mounting Box

SOTERIA[®]

Positions for either side or top cable entry are marked on the outside of the Mounting Box to ensure correct cable positioning. An arrow has been placed on the rim to assist in correct orientation of the detector. Placing the Mounting Box in the correct orientation in the installation aperture, it is secured into position by screwing down the self-aligning fixing tabs. The Soteria Dimension Mounting Box is designed to be used with Soteria Dimension Optical Detectors.



45681-210APO

Intelligent Mounting Base

XP95[®] DISCOVERY[®]

All detectors in the Discovery range fit the Intelligent Mounting Base. The Mounting Base is a low insertion force base with stainless steel contacts for the detector terminals. XPERT cards are supplied with all bases.



45681-219APO

XP95 Intelligent Heater Base

XP95[®] DISCOVERY[®]

The Intelligent Heater Base is designed to be used in cold climates where environmental conditions could result in either icing or condensation affecting the operation of detectors. It is recommended that the heater base be used in conjunction with either a Waterproof Base Cover or Deckhead Mounting Box to minimise moisture ingress

XP95 Isolating Base

XP95



45681-284APO

The Isolating Base senses and detects short-circuit faults on Discovery loops and spurs.

Intelligent Mounting Base (Black)

XP95[®] DISCOVERY[®]

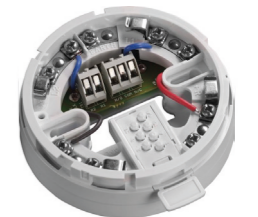


45681-361APO

All detectors in the Discovery range fit the Intelligent Mounting Base. The Mounting Base is a low insertion force base with stainless steel contacts for the detector terminals. XPERT cards are supplied with all bases.

Intelligent Low Power Relay Base

XP95[®] DISCOVERY[®]



45681-242APO

The XP95A Low Power Relay Base incorporates a low power relay to control field equipment such as automatic door closers.

Discovery Marine Mounting Base

DISCOVERY[®]



45681-210MAR

All detectors in the Discovery Marine range are for use with the Marine Mounting Base. The mounting base is a low insertion force base with stainless steel contacts for the detector terminals. XPERT 7 Cards are supplied with all Discovery bases.



55000-720APO

Isolator



The Isolator is placed at intervals on the loop and ensures that, in the case of a short circuit, only the section between the isolators will be affected. When the short-circuit is removed, the isolators automatically restore power and data to the isolated section.



45681-286MAR

Marine Isolating Base



The Isolating Base senses and isolates short circuit faults on XP95 and Discovery loops and spurs.



45681-210MAR

Discovery Marine Mounting Base



All detectors in the Discovery Marine range are for use with the Marine Mounting Base. The mounting base is a low insertion force base with stainless steel contacts for the detector terminals. XPERT 7 Cards are supplied with all Discovery bases.



45681-211APO

Discovery Marine Isolator Base



The Discovery Marine Isolator Base is unique and designed to only accept the marine isolator.

MANUAL CALL POINTS

Nequi repellendi omnis enti rest quam, aut qui odi aut laborep eratia pratibus, simolut voloren imporro od maxim fugit que illabore nisimpo sanderruptam aboruptibus niminve nimporiscil moluptum que nem asita quam re mod et molorro magnam eos eliqui id quidustiatur sim quibeatum que remodi





58200-951APO

Apollo Waterproof Manual Call Point with Isolator (Red)



The Apollo Waterproof Manual Call Point has a highly visible alarm indicator which can be seen from up to 10 metres away. The manual call point interrupts the polling cycle for a fast response, when activated. A combined LED indicator and front reset mechanism allows for a simple reset.



58200-976MAR

Apollo Discovery Marine Waterproof Manual Call Point with Isolator (Red)



The Discovery Marine Manual Call Points has been designed for use in marine and offshore environments and are available in two versions for indoor and outdoor applications. Both versions are available with and without short circuit isolators. An alarm is initiated by pressing the resettable element.



SA5900-908APO

Intelligent Manual Call Point (Red)



The Intelligent Manual Call Point has been designed to operate on a loop of intelligent fire detection devices. An alarm is initiated by pressing the resettable element. The manual call point signals to the Control and Indicating Equipment using an interrupt feature within the Apollo Digital Protocol. An alarm status is indicated through the rotation of the resettable element, displaying yellow and black indication bars and a solid red LED. The manual call point can be easily reset from the front using the supplied reset key.



SA5900-903APO

Intelligent Manual Call Point (White)



The Intelligent Manual Call Point has been designed for indoor applications and are available in a variety of colours for different applications such as initiating a hazard rather than a fire alarm. The Intelligent Manual Call Point can be used on XP95, Discovery and CoreProtocol systems.

Intelligent Manual Call Point (Yellow)



The Intelligent Manual Call Point has been designed for indoor applications and are available in a variety of colours for different applications such as initiating a hazard rather than a fire alarm. The Intelligent Manual Call Point can be used on XP95, Discovery and CoreProtocol systems.



SA5900-904APO

Intelligent Manual Call Point (Blue)



The Intelligent Manual Call Point has been designed for indoor applications and are available in a variety of colours for different applications such as initiating a hazard rather than a fire alarm. The Intelligent Manual Call Point can be used on XP95, Discovery and CoreProtocol systems.



SA5900-905APO

Intelligent Manual Call Point (Green)



The Intelligent Manual Call Point has been designed for indoor applications and are available in a variety of colours for different applications such as initiating a hazard rather than a fire alarm. The Intelligent Manual Call Point can be used on XP95, Discovery and CoreProtocol systems.



SA5900-906APO

XPander Manual Call Point



The XPander Manual Call Point is compliant with EN 54-11. It is wireless and is powered by two independent packs of three AA alkaline batteries with a typical five year life.



XPA-MC-14006-APO



AUDIO VISUALS

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Analogue Addressable System

Analogue Addressable System

Multi-Tone Weatherproof Open-Area Sounder (Red)



The Weatherproof Multi-Tone Open-Area Sounder is designed for use in open areas and can be connected to any Discovery or XP95 system.



55000-274APO

Base Cap (White)



45681-292

Base Cap (Red)



45681-293

Integrated Base Sounder with Isolator



The Integrated Base Sounder is made up of a base sounder with integral mounting base. It is designed for indoor use.



45681-277APO



45681-330APO

Intelligent Sounder Visual Indicator Base with Isolator



The Sounder Visual Indicator Base is a loop-powered sounder and visual indicator combined with a standard Intelligent Mounting Base. It is used to signal a fire alarm in enclosed areas.



45681-332APO

Intelligent Sounder Visual Indicator Base Slow Whoop with Isolator



The Sounder Visual Indicator Base is a loop-powered sounder and visual indicator combined with a standard Intelligent Mounting Base. It is used to signal a fire alarm in enclosed areas.



55000-001APO

Intelligent Open-Area Sounder (Red)



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



58000-005APO

Discovery Open-Area Sounder Visual Indicator (Red)



The Discovery Open-Area Sounder Visual Indicator makes full use of the Discovery protocol and has been designed for use in indoor and open areas. When the fire system is being commissioned a 'Magnetic Wand' can be used to adjust and test each sounder locally.

Intelligent Open-Area Visual Indicator (Red)



The Intelligent Open-Area Visual Indicator has been developed for use in situations where there is a risk that sounders will not be heard.



55000-009APO

Intelligent Open-Area Visual Indicator (White)



The Intelligent Open-Area Visual Indicator has been developed for use in situations where there is a risk that sounders will not be heard.



55000-010APO

Loop-Powered Ceiling VAD 15M (Red)



The Loop Powered VAD is designed for indoor use. The Category C VAD is specifically designed for use on a ceiling and comes in two different coverage classes. The two EN 54-23 coverage classes are C-3-8.5 and C-3-15. These devices are used to supplement sounders in areas which carry the risk that sounders will not be heard.



55000-740APO

Loop-Powered Wall VAD 6m (Red)



The VAD has been developed as a primary or supplementary alarm device for use in situations where there is a risk that sounders will not be heard. This occurs, for example, where there is a high background noise e.g. in a workshop or a machine room. It might also be required where deaf or hearing impaired persons may be present.



55000-741APO



55000-742APO

Loop-Powered Ceiling VAD 8.5m (Red)



The Loop Powered VAD is designed for indoor use. The Category C VAD is specifically designed for use on a ceiling and comes in two different coverage classes. The two EN 54-23 coverage classes are C-3-8.5 and C-3-15. These devices are used to supplement sounders in areas which carry the risk that sounders will not be heard.



55000-743APO

Loop-Powered Ceiling VAD 15M (White)



The Loop Powered VAD is designed for indoor use. The Category C VAD is specifically designed for use on a ceiling and comes in two different coverage classes. The two EN 54-23 coverage classes are C-3-8.5 and C-3-15. These devices are used to supplement sounders in areas which carry the risk that sounders will not be heard.



55000-744APO

Loop-Powered Wall VAD 6m (White)



The VAD has been developed as a primary or supplementary alarm device for use in situations where there is a risk that sounders will not be heard. This occurs, for example, where there is a high background noise e.g. in a workshop or a machine room. It might also be required where deaf or hearing impaired persons may be present.



55000-745APO

Cat C Loop Powered VAD 8.5m (White)



The Loop Powered VAD is designed for indoor use. The Category C VAD is specifically designed for use on a ceiling and comes in two different coverage classes. The two EN 54-23 coverage classes are C-3-8.5 and C-3-15. These devices are used to supplement sounders in areas which carry the risk that sounders will not be heard.

XPander Sounder and Mounting Base (Red)



The XPander Sounder and Sounder Base is wireless and designed to be used with XPander detectors and manual call points.



XPA-CB-14001-APO

XPander Sounder Visual Indicator (Red) and Mounting Base (Red)



The XPander Sounder and Sounder Base is wireless and designed to be used with XPander detectors and manual call points.



XPA-CB-14003-APO



INTERFACES

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XP95

DIN-Rail Sounder Controller (5 Amperes)

XP95

The DIN-Rail Sounder Controller (5 Amperes) is used to control the operation of a zone of externally powered sounders and report their status to the control panel.



55000-182APO

Mini Switch Monitor

XP95

The Mini Switch Monitor is an interface within an entirely new housing. This allows the unit to be fitted onto a standard 35mm DIN-Rail (using a twist-click motion) or mounted within an enclosure, for example a manual call point. It is designed to monitor the state of one or more single pole, volt-free contacts connected on a single pair of cables and to report the status to Apollo compatible analogue addressable control equipment.



55000-760APO

DIN-Rail Mains Input/Output Unit

XP95

The DIN-Rail Mains Input/Output Unit provides a mains-rated voltage-free, single pole change-over relay output and a monitored switch input. The unit supervises one or more normally-open switches connected to a single pair of cables.



55000-797APO

DIN-Rail Zone Monitor with Isolator

XP95

The DIN-Rail Zone Monitor with Isolator powers and controls a zone of up to 20 Apollo Series 65 or Orbis fire detectors in a Discovery or XP95 loop.



55000-812APO



Zone Monitor



The Zone Monitor powers and controls the operation of a zone of up to 20 Apollo Series 65 or Orbis Fire Detectors from a Discovery or XP95 loop.

55000-845APO



Sounder Control Unit



The Sounder Control Unit is used to control the operation of a zone of conventional sounders and report their status to the control panel.

55000-852APO



Intelligent DIN-Rail Switch Monitor



The Intelligent DIN-Rail Switch Monitor is designed to monitor the state of one or more single pole, volt-free contacts connected on a single pair of cables and to report the status. It has a selectable status reporting delay making it suitable for monitoring flow switches.

SA4700-300APO



Intelligent DIN-Rail Input/Output Unit



The Intelligent DIN-Rail Input/Output Unit provides supervision of one or more normally open volt free contacts connected to a single pair of cables and a set of changeover relay output contacts. Compatible with XP95, Discovery and CoreProtocol digital communication protocols.

SA4700-302APO

Intelligent Switch Monitor Unit



The Intelligent Switch Monitor is designed to monitor the state of one or more single pole, volt-free contacts connected on a single pair of cables to report the status. It has a selectable status reporting delay making it suitable for monitoring flow switches.



SA4700-100APO

Intelligent Input/Output Unit



The Intelligent Input/Output Unit provides supervision of one or more normally open contacts connected to a single pair of cables and a set of changeover relay output contacts.



SA4700-102APO

Intelligent Mains Switching Input/Output Unit



The Intelligent Mains Switching Input/Output Unit provides a single line tolerant circuit (CoreProtocol only) containing one or more normally open contacts connected to a single pair of cables. It also provides a voltage free change over relay output capable of switching mains.



SA4700-103APO

Intelligent Twin Input/Output Unit



The Intelligent Twin Input/Output Unit provides the function of two Input/Output Units within one enclosure. The two units are electrically independent of each other. There is a DIL switch on each unit to set the address. Both input/output units in the enclosure provide supervision of one or more normally open volt free contacts connected to a single pair of cables and a set of changeover relay output contacts.



SA4700-104APO



SA6700-100APO

Intelligent Twin Switch Monitor



The Intelligent Twin Switch Monitor provides the function of two Switch Monitor units within one enclosure. The two units are electrically independent of each other. There is a DIL switch on each unit to set the address. Both Switch Monitor units in the enclosure are designed to monitor the state of one or more single pole, volt-free contacts connected on a single pair of cables to report the status. It has a selectable status reporting delay making it suitable for monitoring flow switches.



XPA-IN-14011-APO

XPander Input/Output Single Unit



The XPander Input/Output Unit is a radio based interface and offers two monitored input circuits and two relay outputs. It can be used for controlling fire doors, fire dampers, smoke vents and other fire engineering applications.



XPA-IN-14012-APO

XPander Input/Output Single Unit



The XPander Input/Output Unit is a radio based interface and offers two monitored input circuits and two relay outputs. It can be used for controlling fire doors, fire dampers, smoke vents and other fire engineering applications.



XPA-IN-14050-APO

Xpander Diversity Loop Interface Unit



The XPander Diversity Loop Interface Unit can monitor up to 31 XPander devices and report each device's status to an intelligent fire control panel.

ACCESSORIES

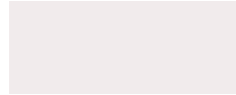
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Nuria Key

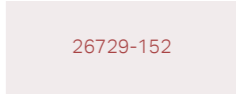
NIBBLE®



Transparent Hinged Cover for KAC style MCP

XP95

The Transparent Hinged Cover is for use with XP95 and Discovery Manual Call Points and can be fitted to add further protection against accidental operation.

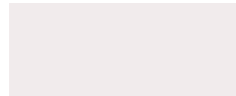


26729-152



Nuria Power supply

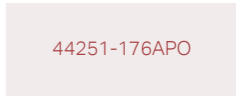
NIBBLE®



Pack of 10 Reset Keys for Apollo Manual Call Point

XP95

Manual Call Point Reset Keys can be used for the reset and removal of all Apollo manufactured Manual Call Points.



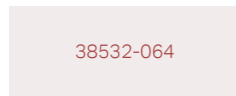
44251-176APO



Blank XPERT 8 Card (White)

SOTERIA®

XPERT 8 Cards are supplied with all XPERT 8 Mounting Bases. Using a coding guide Part No. 39214-481, pips are removed to set the address of the inserted detector.

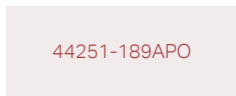


38532-064

Single Transparent Hinged Cover for Apollo MCP

XP95

The Apollo Transparent Hinged Cover has been designed to fit all Apollo manufactured Manual Call Points to provide protection against accidental operation.



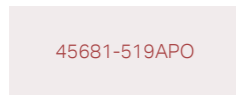
44251-189APO



Waterproof Base Cover

apollo

A waterproof cover designed for Discovery, XP95 and Orbis bases.

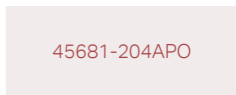


45681-519APO

Conduit Box

apollo

The Conduit Box is a versatile accessory for surface mounting Apollo bases. The box has knockouts to accept PG16 or M20 cable glands, conduit or mini trunking. Self-tapping screws are included to fit the detector base to the conduit box.



45681-204APO



45681-217APO

Deckhead Mounting Box



The Deckhead Mounting Box, part no 45681-217, is a device which protects bases, sounder bases and sounder beacon bases from the ingress of water or other liquids. It is screwed to the soffit and accepts a variety of Apollo bases.

Base Mounted Flame Detector Bracket



The Base Mounted Flame Detector Bracket includes a bracket and Deckhead Mounting Box (45681-217APO). Internal mounting base pictured sold separately.



29600-458



29600-526

Auto-Aligning Beam Detector Extension Kit 100m



Extension Kit for the Auto-Aligning Beam Detector.

Apollo Test Set



The Apollo Test Set is a portable test unit featuring a touch screen display capable of providing several functions in interrogating and controlling all devices connected to the unit, either individual devices or complete circuits of analogue addressable devices in the Apollo ranges (CoreProtocol, Discovery and XP95). There is a new firmware update available for the Apollo Test Set. For details please refer to the "Apollo Test Set Firmware Update Guide".



SA7800-870APO



29600-203

Flame Detector Bracket



The Flame Detector Bracket is an optional accessory for the Intelligent Flame Detectors. It is a stainless steel mounting bracket adjustable in two axis. Not suitable for Base Mounted Flame Detectors.

XPander Surveyor Kit



The XPander Diversity Survey kit is used at the site survey stage to ascertain if a site is suitable for an XPander installation. A site survey must be carried out before XPander can be installed. The Diversity Survey Kit is compliant to BS 5839-1.



XPA-TE-14075-APO



29600-206

Flame Detector Weather Shield



The Flame Detector Weather Shield protects the device from inclement conditions.

FIRE DETECTION

CONVENTIONAL SYSTEM

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FIREWALL

apollo

orbis

series 65
9-33V

Saiba mais em nibble.pt/convencional

Firewall PANEL

The Central Fire Detection FIREWALL combine the best technology with the elegant design, simple and intuitive interface for the prevention and detection of fires. The FIREWALL comply with EN-54, offering high safety standards.



TECHNICAL SPECIFICATIONS

Power supply

100 - 240 VAC, 50/60 Hz 45 VA

Battery

1x 12 VDC, 7 Ah or 2x6 VDC, 12 Ah

Standby current

60 mA

Maximum current

1 A

Fuse

Main supply - 4 A
24V - 1.6 A
Fire Alarm - 500 mA

Fire Alarm Output

24 VDC, 500 mA

Relay contacts

250 VAC, 10 A

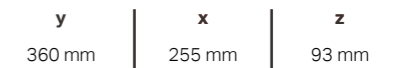
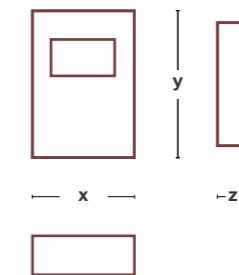
Auxiliary Outputs

80 VDC, 500 mA (open collector)

Zones

24 V < 65 mA
Up to 32 conventional detectors with termination resistor in parallel of 3300 Ω, 1/4 W. (Callpoint with zener diodes in series 5V1, 1/4W)

Dimensions



Hole for cables
8 x Ø 20 mm

AREAS OF APPLICATION



REFERENCE





Conventional System

Conventional System

DETECTORS

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orbis

series 65
9-33V

Orbis A1R Heat Detector

orbis

The Orbis Heat Detector monitors temperature by using a single thermistor which provides a voltage output proportional to the external air temperature.



ORB-HT-11001APO

Orbis BR Heat Detector

orbis

The Orbis Heat Detector monitors temperature by using a single thermistor which provides a voltage output proportional to the external air temperature.



ORB-HT-11003APO

Orbis CR Heat Detector

orbis

The Orbis Heat Detector monitors temperature by using a single thermistor which provides a voltage output proportional to the external air temperature.



ORB-HT-11005APO

Orbis Multisensor Detector

orbis

Multisensor smoke detectors are recognized as good detectors for general use but are additionally more sensitive to fast burning, flaming fires—including liquid fires—than optical detectors. They can be readily used instead of optical smoke detectors but should be used as the detector of choice for areas where the fire risk is likely to include heat at an early stage in the development of the fire. As with Orbis optical smoke detectors the increased reliability of detection is combined with high immunity to false alarms.



ORB-OH-13001APO

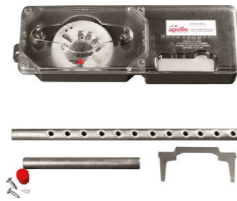


ORB-OP-12001APO

Orbis Optical Smoke Detector



The Orbis Optical Smoke Detector operates on the well-established light scatter principle. The sensing technology used is radically different from previous optical detectors and significantly reduces false alarms.



53546-023APO

Orbis Duct Detector



The detector provides early detection of smoke in the air moving through heating and ventilation (HVAC) ducts in commercial and industrial premises. Its purpose is to prevent the re-circulation of smoke from an area on fire to areas unaffected by the fire when used with a Series 65 or Orbis detector. It provides a volt-free changeover relay rated at 30V, 1A.



ORB-HT-41001MAR

Orbis Marine A1R Heat Detector



The Orbis Marine Heat Detector uses a single thermistor to sense the air temperature around the detector. There are twelve heat detectors in the Orbis Marine range designed to suit a wide variety of operating conditions.



ORB-HT-41003MAR

Orbis Marine BR Heat Detector



The Orbis Marine Heat Detector uses a single thermistor to sense the air temperature around the detector. There are twelve heat detectors in the Orbis Marine range designed to suit a wide variety of operating conditions.

Orbis I.S. A1R Heat Detector



The Orbis IS Heat Detector monitors temperature by using a single thermistor network which provides a voltage output proportional to the external air temperature. The Orbis IS range incorporates seven heat detector classes to suit a wide range of operating conditions.



ORB-HT-51145APO

Orbis I.S. A1R Heat Detector



The Orbis IS Heat Detector monitors temperature by using a single thermistor network which provides a voltage output proportional to the external air temperature. The Orbis IS range incorporates seven heat detector classes to suit a wide range of operating conditions.



ORB-HT-51153APO

Orbis Marine Multisensor Detector



The Orbis Heat Detector monitors temperature by using a single thermistor which provides a voltage output proportional to the external air temperature.



ORB-OH-43001-MAR

Orbis I.S. Multisensor Detector



The Orbis IS Multisensor Smoke Detector benefits from the same false alarm technology as the Optical Smoke Detector with the addition of a heat sensing element.



ORB-OH-53027-APO



ORB-OP-42001-MAR

Orbis Marine Optical Smoke Detector with Flashing LED



The Orbis Marine Optical Smoke Detector operates on the well-established light scatter principle. However, the sensing technology is radically different in design from previous optical detectors and significantly reduces false alarms.

Series 65 Optical Smoke Detector



The Series 65 Optical Smoke Detector uses light sensing technology to detect a fire. The external detector moulding has an indicator LED which is white in quiescent state but produces a red light in alarm.



55000-317APO



ORB-OP-52027-APO

Orbis I.S. Optical Smoke Detector



The Orbis IS Optical Smoke Detector works using the light scatter principle and is ideal for applications where slow-burning or smouldering fires are likely.

Marine Series 65 Base Mounted UV Flame Detector



The Marine Series 65 Base Mounted UV Flame Detector is designed to protect enclosed indoor areas where open flaming fires may be expected. The detector has a fast acting response to flames up to 25m away and is equipped with a single UV sensor with a narrow spectral response in order to discriminate between flames and most spurious sources of radiation.



55000-026MAR



55000-122APO

Series 65 A1R Heat Detector



The Series 65 Heat Detector monitors temperature by using a dual thermistor network which provides a voltage output proportional to the external air temperature. There are 12 heat detectors in the Series 65 range designed to suit a wide variety of operating conditions.

Auto-Aligning Beam Detector 8-50m



The high-performance Auto-Aligning Beam Detector comprises of a ground level controller, detector head with auto-aligning feature, integral laser for rapid initial alignment and single prism. An additional detector head can be added to the controller.



29650-069



55000-132APO

Series 65 CR Heat Detector



The Series 65 Heat Detector monitors temperature by using a dual thermistor network which provides a voltage output proportional to the external air temperature. There are 12 heat detectors in the Series 65 range designed to suit a wide variety of operating conditions.



Conventional System

Conventional System

BASES

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orbis

series 65
9-33V

Orbis Heater Base

orbis

The Orbis Heater Base is designed to be used in cold climates where environmental conditions could result in either icing or condensation affecting the operation of detectors. It is recommended that the heater base be used in conjunction with either a Waterproof Base Cover or Deckhead Mounting Box to minimise moisture ingress.



ORB-HB-00020-APO

Orbis LX Base

orbis

The Orbis LX Base has two slots for fixing screws at a spacing of 51mm and 69mm. Detectors fit into the base one way only and require clockwise rotation without force to be plugged in.



ORB-MB-00012-APO

Orbis I.S. Timesaver Base

orbis

The Orbis IS Optical Smoke Detector works using the light scatter principle and is ideal for applications where slow-burning or smouldering fires are likely.



ORB-MB-50018APO

Orbis TimeSaver Relay Base

orbis

The TimeSaver® Relay Base incorporates a single-pole voltage-free changeover contact for switching external equipment. When the detector changes to the alarm state, the relay is energized, causing the contact to change state. The contact will remain in this condition until the detector is reset.



ORB-RB-10004-APO



ORB-MB-00001-MAR

Orbis Marine TimeSaver Base



The Orbis Marine TimeSaver® Base provides installers with an open working area with fixing holes shaped to allow a simple mounting procedure.



45681-200APO

Series 65 Standard Base



The Series 65 Standard Base has been designed to enable detectors to be fitted without the need of force – particularly useful when fitting to suspended ceilings. All Series 65 bases have a one-way only fit. Detectors can be locked into place by a grub screw using a 1.5mm hexagonal screwdriver.

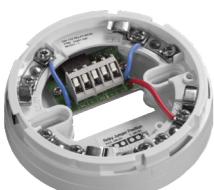


ORB-MB-00012-APO

Series 65 Standard Relay Base



The Series 65 Standard Relay Base provides one set of volt-free, changeover (form C) contacts that change state when the detector signals an alarm.



45681-508APO

Series 65 12V Relay Base



The Series 65 12V Relay Base is designed for use in both fire and security systems. For fire systems a jumper on the PCB is fitted to a 'latching' position. For security systems the jumper is moved to another position so that the base is 'non-latching'.

Conventional System

Conventional System

MANUAL CALL POINTS

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Firewall PB

MANUAL CALL POINT FIREWALL

Manual Callpoint FIREWALL-PB offers a simple and intuitive interface. Designed for conventional fire detection systems and EN54 certified, they are available in two models: Type A and Type B. They can also be configured for intrusion or fire systems.

Manual Callpoint combines its versatile application with a simple and elegant design.

ESPECIFICAÇÕES TÉCNICAS

Maximum supply voltage
30 VDC

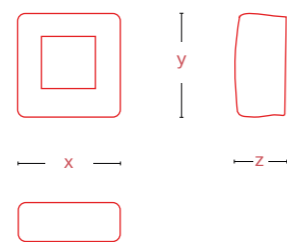
Alarm Voltage
5.6 V (zener diode)

Alarm Current
1 A (shunt)

REFERENCE

NPB

DIMENSÕES



x = 100mm
y = 100mm
z = 49mm (surface)
29mm (flush)

AREAS OF APPLICATION



Indoor Manual Call Point without LED - Red



Apollo's Conventional Manual Call Points comply with EN 54-11 and are available in both indoor and outdoor variants. Apollo also offers a yellow variant suitable for alternative applications.



55100-001APO

Outdoor Manual Call Point without LED - Red



Apollo's Conventional Manual Call Points comply with EN 54-11 and are available in both indoor and outdoor variants. Apollo also offers a yellow variant suitable for alternative applications.



55100-003APO

Conventional I.S. Manual Call Point (Red)



The Conventional IS Manual Call Point has been designed to operate on conventional intrinsically safe fire detection systems. Designed specifically for use in atmospheres in which explosive mixtures are or may be present, certain design considerations must be observed. The Manual Call Point is available in two versions, indoor and outdoor in either red or yellow.



55100-031APO

Conventional Marine Manual Call Point (Red)



The Conventional Marine Waterproof Manual Call Point Red is a 'Type A' call point suitable for outdoor use.



55100-021MAR



Conventional Marine Waterproof Manual Call Point (Red)



The Conventional Marine Waterproof Manual Call Point Red is a 'Type A' call point suitable for outdoor use.

55100-022MAR

AUDIOVISUAL

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Thunder TH-ARC/DOT

AUDIOVISUAL THUNDER

The Outdoor Siren Alarm THUNDER was designed to promote security, both in case of intrusion or fire systems. Its peculiar design was inspired on Portuguese guitar, existing in two distinctive models: ARC and DOT.

TECHNICAL SPECIFICATIONS

Power supply
12 VDC até 24 VDC

Maximum current
300 mA

Autonomy
48h

Dimensions
325 x 225 x 46 mm

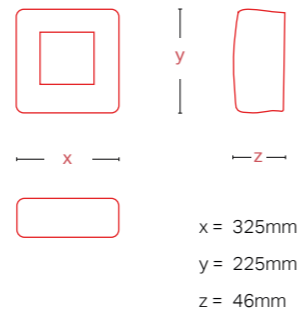
Standby current
25 mA

Maximum Loudness
115 dBA

Strobe
0,5 Hz

Weight
910 g (with battery);
600 g (without battery)

DIMENSIONS



REFERENCE

NSE-F

AREAS OF APPLICATION



Sonos Sounder (Red)



The Sonos Sounder is a conventional sounder which makes use of the TimeSaver base resulting in a faster and more reliable installation.



29600-322

Sonos Sounder Visual Indicator (Red)



The Sonos Sounder Visual Indicator is a conventional sounder visual indicator which makes use of the TimeSaver base, resulting in a faster and more reliable installation.



29600-323

Conventional Galvanic Barrier



The Galvanic barrier is available in the XP95 IS range and the Orbis IS range. It can be installed in safe areas and ensures system integrity.



29600-378

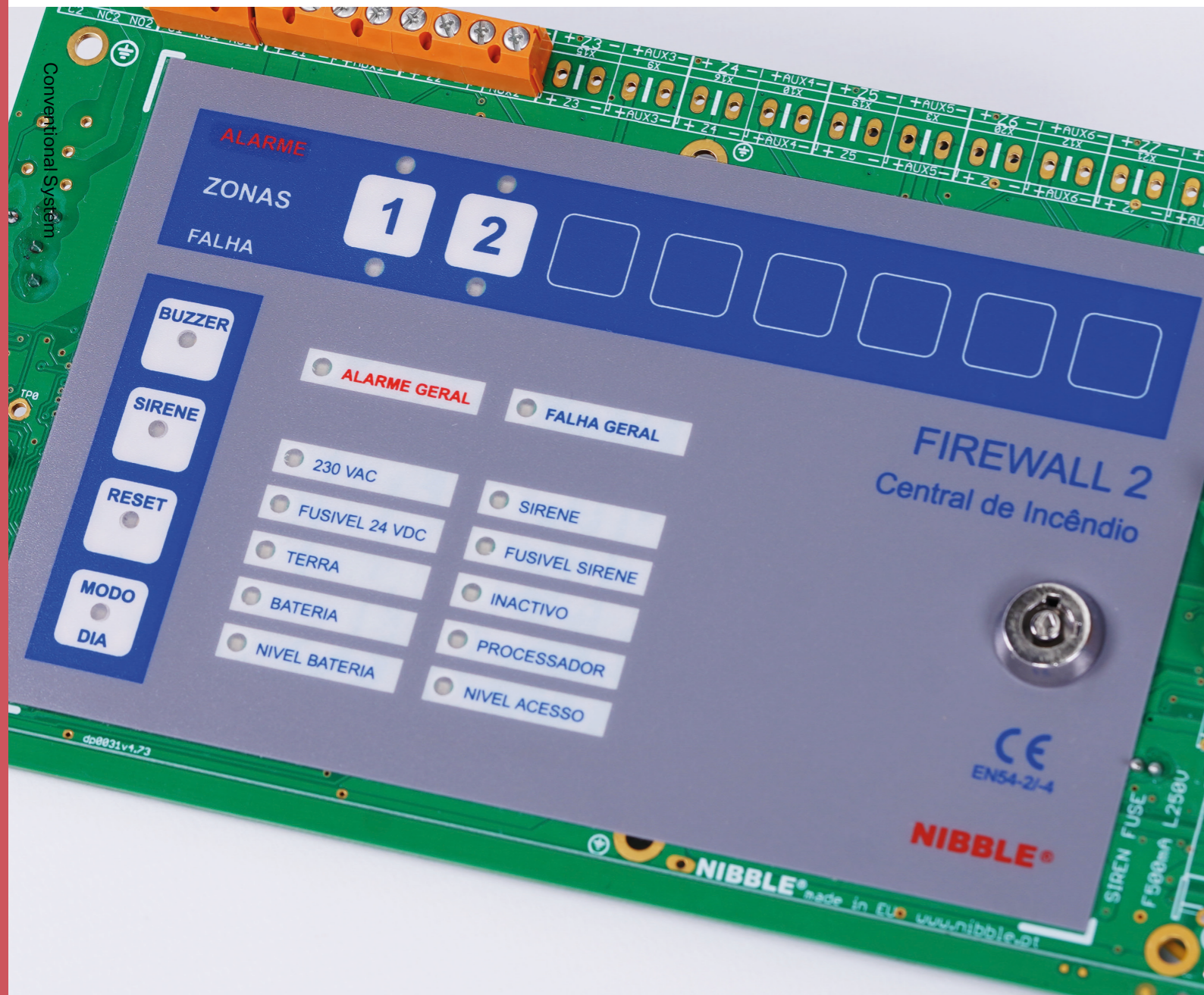
INTERFACE

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ACCESSORIES

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Remote fire indicator, 24V

ACCESSORY

NIBBLE®

Sinalizador de alarme remoto possui um LED com tecnologia de alto brilho e 180° de visibilidade. O sinalizador remoto é usado quando o detector de incêndio / fumo está montado num local escondido ou com pouca visível, por exemplo, em salas fechadas. Recomenda-se que o sinalizador remoto seja instalado na entrada destes locais, de preferência num ponto elevado, de modo a ser visível à distância.

TECHNICAL SPECIFICATIONS

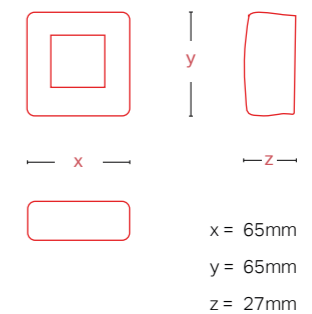
Maximum current
12 VDC até 24 VDC

Alarm current
300 mA

Brightness
25 mA

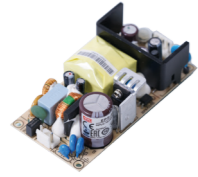
Dimensions
65 x 65 x 27 mm

DIMENSIONS



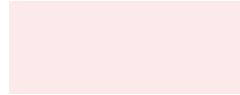
REFERENCE

NRI1



Power supply

FIREWALL



Deckhead Mounting Box

Apollo's Conventional Manual Call Points comply with EN 54-11 and are available in both indoor and outdoor variants. Apollo also offers a yellow variant suitable for alternative applications.

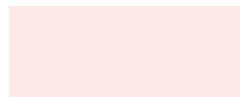


45681-217APO



Key

FIREWALL



Auto-Aligning Beam Detector Extension Kit 100m

Extension Kit for the Auto-Aligning Beam Detector.

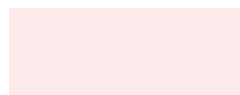


29600-526



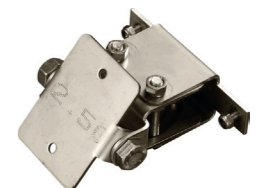
Replacement PCB

FIREWALL



Flame Detector Bracket

The Flame Detector Bracket is an optional accessory for the Intelligent Flame Detectors. It is a stainless steel mounting bracket adjustable in two axis. Not suitable for Base Mounted Flame Detectors.



29600-203



Conduit Box



The Conduit Box is a versatile accessory for surface mounting Apollo bases. The box has knockouts to accept PG16 or M20 cable glands, conduit or mini trunking. Self-tapping screws are included to fit the detector base to the conduit box.

45681-204APO

Flame Detector Weather Shield



The Flame Detector Weather Shield protects the device from inclement conditions.



29600-206



29600-458

Base Mounted Flame Detector Bracket



The Base Mounted Flame Detector Bracket includes a bracket and Deckhead Mounting Box. Internal mounting base pictured sold separately.

FIRE DETECTION

UL/FM PRODUCTS

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series 65[®]
9-33V

XP 95

DISCOVERY[®]

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DETECTORS

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Series 65A 135 ° F Heat Detector with Flashing LED and Magnetic Test Switch



55000-138APO

The Series 65A Heat Detector monitors temperature by using a dual thermistor network which provides a voltage output proportional to the external air temperature. There are nine heat detectors in the Series 65A range designed to suit a wide variety of operating conditions.

Series 65A 135 ° F Heat Detector with Flashing LED



55000-139APO

The Series 65A Heat Detector monitors temperature by using a dual thermistor network which provides a voltage output proportional to the external air temperature. There are nine heat detectors in the Series 65A range designed to suit a wide variety of operating conditions.

Series 65A 135 ° F Heat Detector Standard



55000-140USA

The Series 65A Heat Detector monitors temperature by using a dual thermistor network which provides a voltage output proportional to the external air temperature. There are nine heat detectors in the Series 65A range designed to suit a wide variety of operating conditions.

Series 65A 170 ° F Heat Detector with Flashing LED and Magnetic Test Switch



55000-141APO

The Series 65A Heat Detector monitors temperature by using a dual thermistor network which provides a voltage output proportional to the external air temperature. There are nine heat detectors in the Series 65A range designed to suit a wide variety of operating conditions.



55000-142USA

Series 65A 170° F Heat Detector with Flashing LED



The Series 65A Heat Detector monitors temperature by using a dual thermistor network which provides a voltage output proportional to the external air temperature. There are nine heat detectors in the Series 65A range designed to suit a wide variety of operating conditions.



55000-143USA

Series 65A 170° F Heat Detector Standard



The Series 65A Heat Detector monitors temperature by using a dual thermistor network which provides a voltage output proportional to the external air temperature. There are nine heat detectors in the Series 65A range designed to suit a wide variety of operating conditions.



55000-145APO

Series 65A 200° F Heat Detector with Flashing LED



The Series 65A Heat Detector monitors temperature by using a dual thermistor network which provides a voltage output proportional to the external air temperature. There are nine heat detectors in the Series 65A range designed to suit a wide variety of operating conditions.



55000-146APO

Series 65A 200° F Heat Detector Standard



The Series 65A Heat Detector monitors temperature by using a dual thermistor network which provides a voltage output proportional to the external air temperature. There are nine heat detectors in the Series 65A range designed to suit a wide variety of operating conditions.

Series 65A Ionisation Smoke Detector with Flashing LED and Magnetic Test Switch



The Series 65A Ionisation Smoke Detector uses a low activity radioactive foil to detect fires by irradiating the air in the smoke chambers and causing a current flow. If smoke enters the chamber, the current flow is reduced leading to an alarm.



55000-225USA

Series 65A Ionisation Smoke Detector with Flashing LED



The Series 65A Ionisation Smoke Detector uses a low activity radioactive foil to detect fires by irradiating the air in the smoke chambers and causing a current flow. If smoke enters the chamber, the current flow is reduced leading to an alarm.



55000-226USA

Series 65A Ionization Smoke Detector



The Series 65A Ionisation Smoke Detector uses a low activity radioactive foil to detect fires by irradiating the air in the smoke chambers and causing a current flow. If smoke enters the chamber, the current flow is reduced leading to an alarm.



55000-227USA

Series 65A Photoelectric Smoke Detector with Flashing LED and Magnetic Test Switch



The Series 65A Photo-Electric Smoke Detector incorporates a pulsing LED located within the housing of the detector. The detector housing is identical to that of the Ionisation Detector but has an indicator LED which is clear in quiescent state but produces red light in alarm.



55000-325USA



55000-326USA

Series 65A Photoelectric Smoke Detector with Flashing LED



The Series 65A Photo-Electric Smoke Detector incorporates a pulsing LED located within the housing of the detector. The detector housing is identical to that of the Ionisation Detector but has an indicator LED which is clear in quiescent state but produces red light in alarm.



55000-327USA

Series 65A Photoelectric Smoke Detector



The Series 65A Photo-Electric Smoke Detector incorporates a pulsing LED located within the housing of the detector. The detector housing is identical to that of the Ionisation Detector but has an indicator LED which is clear in quiescent state but produces red light in alarm.



55000-328APO

Series 65A Photoelectric Smoke Detector (High Sensitivity)



The Series 65A Photo-Electric Smoke Detector incorporates a pulsing LED located within the housing of the detector. The detector housing is identical to that of the Ionisation Detector but has an indicator LED which is clear in quiescent state but produces red light in alarm.



55000-450APO

XP95A Heat Detector



The XP95A Heat Detector monitors temperature by using a single thermistor which provides a voltage output proportional to the external air temperature. It is classified as an ordinary detector by UL.

XP95A Ionisation Smoke Detector



The XP95A Ionization Detector uses a low activity radioactive foil to detect fires by irradiating the air in the smoke chambers and causing a current flow. If smoke enters the chamber, the current flow is reduced leading to an alarm.



55000-550APO

XP95A Photoelectric Smoke Detector



The XP95A Photo-Electric Smoke Detector works on the light-scatter principle and is ideal for applications where slow-burning or smoldering fires are likely.



55000-650APO

XP95A Multisensor Detector



The XP95A Multisensor contains a photo-electric smoke sensor and a thermistor (temperature sensor) whose outputs are combined to give the final analog value.



55000-886APO

Discovery UL Heat Detector



The Discovery UL Heat Detector is distinguishable by the low air flow resistant case and uses a single thermistor to sense the air temperature around the detector.



58000-450APO



58000-550APO

Discovery UL Ionisation Smoke Detector



The Discovery UL Ionization Smoke Detector uses a low activity radioactive foil to detect fires by irradiating the air in the smoke chambers and causing a current flow. If smoke enters the chamber, the current flow is reduced leading to an alarm.



58000-650APO

Discovery UL Photoelectric Smoke Detector



The Discovery UL Photo-Electric Smoke Detector works using the light scatter principle and is ideal for applications where slow-burning or smoldering fires are likely.



58000-750APO

Discovery UL Multisensor Detector



The Discovery UL Multisensor Detector consists of optical smoke and thermistor temperature sensors whose outputs are combined to give the final analog value. As a result, the Multisensor is useful over a wide range of applications and is highly immune to false alarms.

BASES AND ISOLATORS

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XP95A Mounting Base



All detectors in the XP95A product line fit the XP95A Mounting Base which is a low insertion force base with stainless steel contacts for the detector terminals. XPERT Cards are supplied with all bases.

45681-210UL



Isolator Base



The Isolator Base is unique and designed to only accept the Isolator 55000-720.

45681-211USA



XP95A 6" Mounting Base



All detectors in the XP95A product line fit the XP95A Mounting Base which is a low insertion force base with stainless steel contacts for the detector terminals. XPERT Cards are supplied with all bases.

45681-225APO

XP95A 6" Low Profile Base



45681-234APO

E-Z Fit Base



The E-Z Fit Base is a low profile 6" mounting base for XP95A detectors.



45681-250USA

Isolating Base



The Isolating Base senses and detects short-circuit faults on Discovery loops and spurs.



45681-284UL

XP95A Sounder Visual Indicator Base (Red LED)



The XP95A Sounder Beacon Base is a loop-powered sounder and beacon combined with a standard Intelligent Mounting Base. It is used to signal a fire alarm in enclosed areas. The Sounder Beacon Base can be used either with a detector fitted or with a cap for operation as a stand-alone alarm device.



45681-526USA

XP95A Isolator



The XP95A Isolator is placed at intervals on the loop and ensures that, in the case of a short circuit, only the section between the isolators will be affected. When the short circuit is removed, the isolators automatically restore power and data to the isolated section.



55000-750USA



45681-200UL

Series 65A Mounting Base



The Series 65 Standard Base has been designed to enable detectors to be fitted without the need of force - particularly useful when fitting to suspended ceilings. All Series 65 bases have a 'one way only' fit. Detectors can be locked into place by a grub screw using a 1.5mm hexagonal screwdriver.



45681-200USA

Series 65A Mounting Base



The Series 65 Standard Base has been designed to enable detectors to be fitted without the need of force - particularly useful when fitting to suspended ceilings. All Series 65 bases have a 'one way only' fit. Detectors can be locked into place by a grub screw using a 1.5mm hexagonal screwdriver.



45681-220APO

Series 65A 6" Standard Base



The Series 65A Standard Base has been designed to enable detectors to be fitted without the need of force - particularly useful when fitting to suspended ceilings. All Series 65A bases have a 'one way only' fit.



45681-232APO

Series 65A 6" Low Profile Base



A low profile mounting base for Series 65A detectors.

Series 65A 6" E-Z Fit Base



The Series 65A Standard Relay Base provides one set of volt-free, changeover (form C) contacts that change state when the detector signals an alarm.

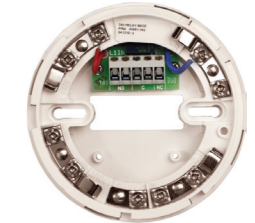


45681-251USA

Series 65A 4" Standard Relay Base



The Series 65A Standard Relay Base provides one set of volt-free, changeover (form C) contacts that change state when the detector signals an alarm.

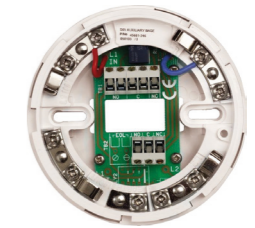


45681-255USA

Series 65A 4" Auxiliary Relay Base



The Series 65A Auxiliary Relay Base provides two sets of volt-free changeover contacts to facilitate the switching of a remote LED or other auxiliary device.

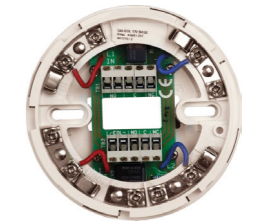


45681-526USA

Series 65A 4" 24v End-of-Line Relay Base



The Series 65A End-of-Line (EOL) Relay Base is intended for use with 4-wire circuits and feature two sets of changeover contacts and a power supervision relay.



45681-258USA



Discovery UL Sounder Visual Indicator Base (Red LED)

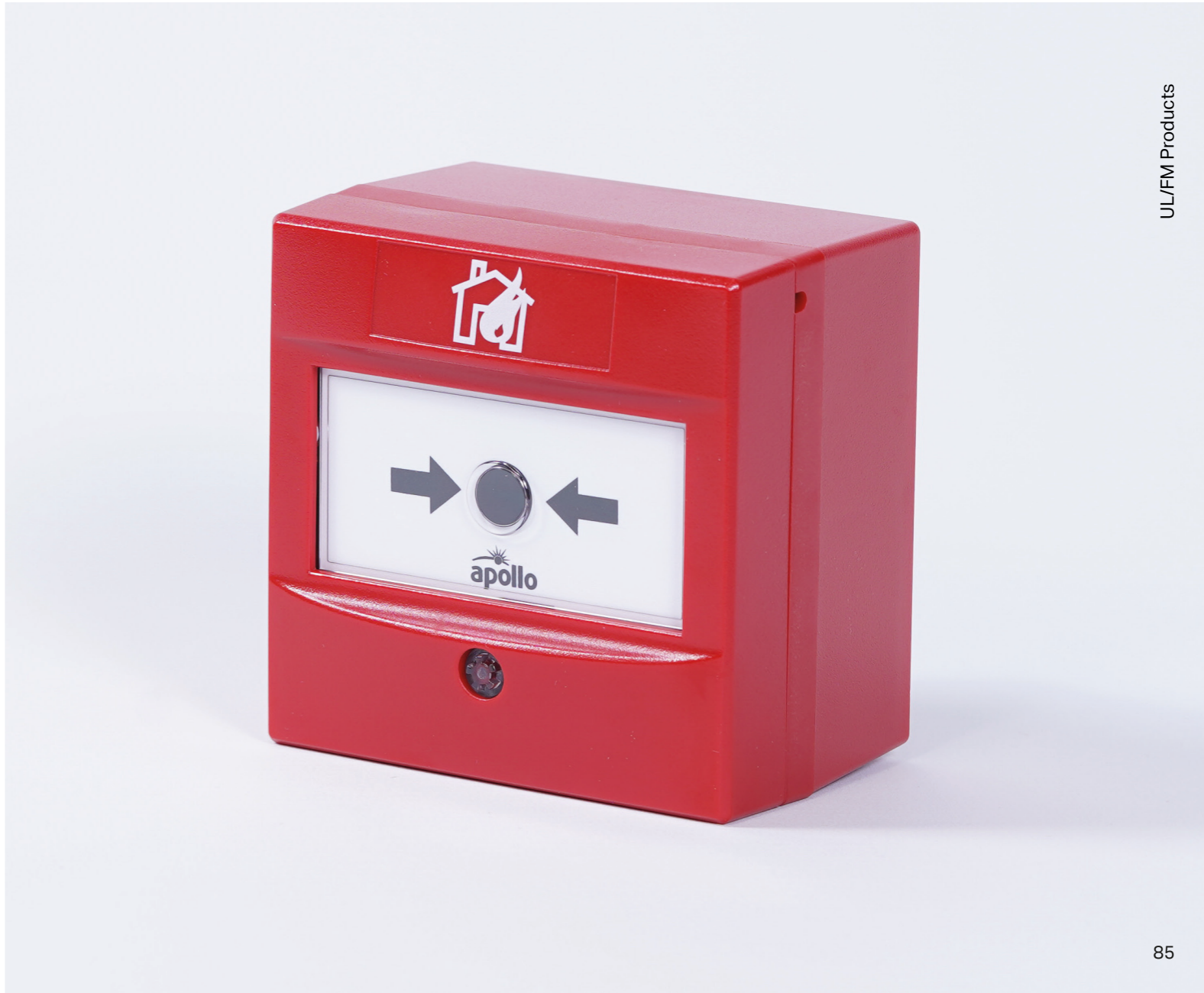


The Discovery UL Sounder Visual Indicator Base combines a sounder with a visual indicator and detector base in one unit

45681-524USA

MANUAL CALL POINTS

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56000-005USA

Dual Action Addressable Manual Pull Station



The Addressable Polycarbonate Pull Station is dual-action and features translucent plastic at the center, allowing visibility of an internal LED that indicates alarm condition and polling status. The unit is addressable using a DIP switch protected within the pull station. The Polycarbonate Pull Station may be flush mounted on a single gang work box or use an optional back cover.



56000-006USA

Dual Action Addressable Manual Pull Station Back Box



The Addressable Polycarbonate Pull Station is dual-action and features translucent plastic at the center, allowing visibility of an internal LED that indicates alarm condition and polling status. The unit is addressable using a DIP switch protected within the pull station. The Polycarbonate Pull Station may be flush mounted on a single gang work box or use an optional back cover.

AUDIOVISUAL

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55000-041USA

XP95A Open Area Sounder (Red)



The XP95A Open-Area Sounder has been designed for use in open areas and can be connected to any Discovery UL or XP95A system.



58000-011USA

Discovery UL Open-Area Sounder Visual Indicator (Red)



The Discovery UL Open-Area Sounder Beacon makes full use of the Discovery protocol and has been designed for use in indoor, outdoor and open-areas. When the fire system is being commissioned a Magnetic Wand can be used to adjust and test each sounder locally.

SECURITY

GSM COMMUNICATORS

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GC-36

COMUNICADOR GSM

GC

Communication is vital and innate to human life. Technology brings people together, it increases the comfort levels, control and security of persons and property. Technology allows go further than the imagination.

Communicators GSM / GPRS equipped with the latest mobile communication technology, they are designed to monitoring and control the most important functions of your house, building or business from any type of mobile phone, on real time.

Communicators GSM / GPRS promote more security and comfort to your life.

TECHNICAL SPECIFICATIONS

Power supply
12 VDC to 32 VDC

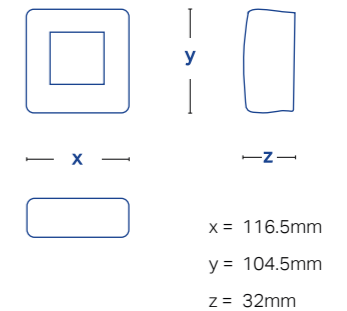
Communication current
100mA @ 15VDC

Weight
220 g (with battery);
165 g (without battery)

Standby current
30 mA @ 15VDC

Dimensions
116.5 x 104.5 x 32 mm

DIMENSIONS



AREAS OF APPLICATION



REFERENCE





Antena

GC

45681-255USA



IC-50LT

IC

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SECURITY

AUDIO VISUALS

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Thunder Intrusão

SIRENE DE ALARME EXTERIOR **THUNDER**

Os sinais de alerta sempre foram usados para desencadear reações, que podem salvar vidas e bens privados. As Sirenes de Alarme Exterior THUNDER foram projetadas para atuarem ao nível da segurança, na sinalização sonora de intrusão e incêndio. Em conformidade com as normas EN54-3 3 EN50131, proporcionam um alarme sonoro e eficaz na proteção da sua casa ou negócio.

O seu design peculiar foi inspirado na guitarra portuguesa, apresentando-se em 2 modelos distintos: ARC e DOT.

ESPECIFICAÇÕES TÉCNICAS

Alimentação principal
12 VDC até 24 VDC

Corrente máxima
300 mA

Autonomia
48h

Dimensões (CxLxP)
325 x 225 x 46 mm

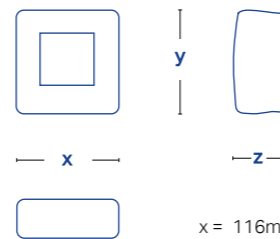
Corrente em repouso
25 mA

Intensidade sonora máxima
115 dBA

Strobe
0,5 Hz

Peso
910 g (com bateria);
600 g (sem bateria)

DIMENSÕES



x = 116mm
y = 104mm
z = 32mm

REFERÊNCIAS

NSE-F

ÁREAS DE APLICAÇÃO



CONSULTANCY & PROJECT



CONSULTANCY

Ser uma empresa de referência, com expressão internacional, pela excelência e reconhecimento das suas competências de I&D na aplicação de tecnologia eletrónica e de telecomunicações nos produtos e soluções que desenvolve, onde as pessoas se sintam bem, motivadas e imbuídas dos valores e da cultura NIBBLE.Uptis dolore nis ipiciae. Quidem, unt laboriore lam nullabo riorest et optatusciis et estiis eum rem si ut opta qui sum voloreius.

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PROJECT

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NIBBLE®

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