PRO CATALOGUE

2025



ELKRON PRO

The key to security

ELKRON PRO

The key to security

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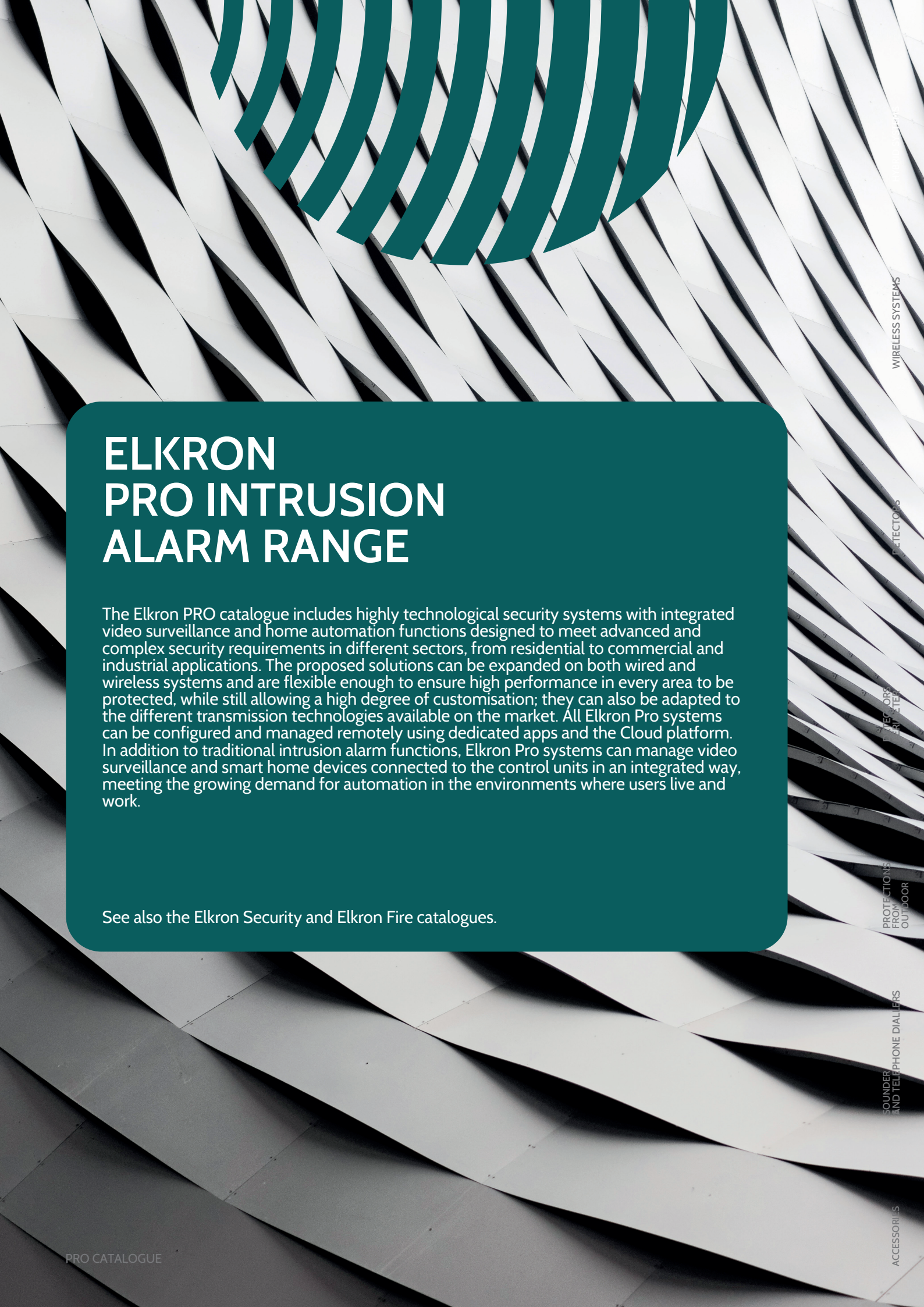
ELKRON,
THE KEY TO SECURITY.

Elkron is an Italian company founded in 1974, with deep roots in the security sector, recognised among the leading manufacturers of advanced technology intrusion and fire alarm systems, with a strong vocation for innovation.

A successful story that has been going on for 49 years, told by figures: 14 quality marks, 21 registered patents, more than 26 million products installed, and an international presence in over 30 countries. Elkron was also the first company in Italy to apply microwaves to sensors, to patent the tri-functional hemispherical dome lens, and to give impetus to dual infrared and microwave technology.

Intrusion alarm, fire alarm, video surveillance, home automation: different solutions that have been consolidated and renewed over time, with certified products that comply with international quality standards for installations in residential, commercial and industrial sectors. All Elkron product families meet an essential requirement: combining highly technological content with ease of use, both for those who install them (installers) and those who use them (end users).

In recent years, the Turin company's R&D department has moved towards wider integration between its systems, to guarantee high protection standards and new levels of comfort through smart living functions. Elkron's range has therefore been enriched with applications and configuration tools that allow installed products to be controlled remotely by specialised professionals and end users. Cloud services, configurators and apps make life easier and safer for Elkron customers. Elkron is committed to providing customers with constant, highly professional support through dedicated customer care, technical assistance centres throughout the country, and a complete training and refresher programme.



ELKRON PRO INTRUSION ALARM RANGE

The Elkron PRO catalogue includes highly technological security systems with integrated video surveillance and home automation functions designed to meet advanced and complex security requirements in different sectors, from residential to commercial and industrial applications. The proposed solutions can be expanded on both wired and wireless systems and are flexible enough to ensure high performance in every area to be protected, while still allowing a high degree of customisation; they can also be adapted to the different transmission technologies available on the market. All Elkron Pro systems can be configured and managed remotely using dedicated apps and the Cloud platform. In addition to traditional intrusion alarm functions, Elkron Pro systems can manage video surveillance and smart home devices connected to the control units in an integrated way, meeting the growing demand for automation in the environments where users live and work.

See also the Elkron Security and Elkron Fire catalogues.

PRO

HYBRID SYSTEMS



MEDEA SYSTEM

> 18 •CONTROL PANELS

•Range of native IP control units, scalable according to the field of application. Easy to configure and capable of integrating third-party IP devices. Remotely accessible through Elkron Cloud.



> 22 COMMUNICATION DEVICES

Range of interfaces, differing in technology and functionality, designed to extend the system communication modes.



> 25 EXPANSIONS

•Wired and radio expansions connected to the RF or ZigBee BUS, to increase management of system inputs and outputs and to manage home automation applications.



MP500 SYSTEM

> 30 •CONTROL PANELS

•Range of hybrid and multifunctional control units designed to meet residential, commercial and industrial requirements.



> 37 •DEVICES OF CONTROL

•LCD keypads and proximity readers for local user management.



> 38 COMMUNICATION DEVICES

Wide range of devices allowing the MP500 system to communicate with the end user, alarm receiving centre and installer in a number of ways.



> 40 EXPANSIONS

•Wired and radio expansions connected to the system BUS to increase management of control unit inputs and outputs.

WIRELESS SYSTEM



> 46 •CONTROL PANEL

Control unit ideal for residential and commercial applications, integrating intrusion alarm, home automation and video surveillance functions.



> 49 •RADIO DEVICES

•Built on a sophisticated technology platform, the range of two-way 868 MHz wireless devices is compatible with all our systems. An ideal solution for both residential and commercial applications.



> 50 ZIGBEE DEVICES

•A series of devices with communication over a ZigBee mesh network which, when connected to electrical devices in the system, provide complete "smart home control".

DETECTORS



> 68 •INDOOR DETECTORS

Range of infrared and dual-technology detectors, IMQ certified according to EN50131 standards.



> 70 •OUTDOOR DETECTORS

Detector models ideal for outdoor protection, differing by application: volumetric, curtain-effect or centre-window installation.

PRO

PERIMETER DETECTORS



› 76 MAGNETIC CONTACTS

Wide range of certified recessed or surface-mounted magnetic contacts and wired microcontacts for roller shutters.



› 79 STRUCTURAL PROTECTIONS

Devices for protecting glazing, doors and windows made of any material in residential applications. A special selective microphone is also available for high-security applications.

OUTDOOR PROTECTIONS



› 84 INFRARED BARRIERS

•Range of barriers ad infrared active for applications outdoor. Models of type stand alone or barriers precablate in column, with range from 10 to 250 metres.



› 88 MICROWAVE BARRIERS

Range of active microwave barriers for outdoor applications, with ranges from 60 to 200 metres.

SOUNDERS AND TELEPHONE DIALLERS



› 92 OUTDOOR SOUNDERS

Range of metal and PC ABS models with certified functions and a design suitable for any context.



› 96 INDOOR SOUNDERS

ABS piezodynamic and metal self-powered sounders for any application.



› 97 4G DIALLERS

Device stand alone, multicanale, in grade of inviare informazioni in diversi formati: voice messages, SMS, protocols digital in DTMF or IP.

ACCESSORIES



› 100 ACCESSORIES

Accessories useful for completing a system: batteries, stand-alone supplementary power supply units and adapters for Elkron key readers, making them compatible with the most widely used residential wiring series.







HYBRID SYSTEMS

Elkron intrusion alarm systems are designed to offer the best in quality, reliability and long-term durability. Expandable with wireless devices, they integrate video surveillance and home automation functions and are ideal for residential, commercial and industrial applications.

MEDEA SYSTEM

MEDEA is the new multifunctional hybrid intrusion alarm system, expandable with wireless devices and with connection LAN nativa.

The structure, based on a powerful CPU and advanced software, puts MEDEA at the forefront in terms of operating capacity and flexibility, with extraordinary possibilities for integration with current and future technologies.

The range, together with integration with radio security devices and ZigBee home automation peripherals, makes MEDEA the ideal solution for both residential applications and complex commercial or industrial solutions.



MEDEA



MEDEA SYSTEM

- Simple configuration

MEDEA automatically recognises the peripheral devices connected to the field bus without the need for special settings; in addition, the Medea Control web configurator integrated in the control unit allows devices to be acquired and configured before they are physically connected to the system.

- Programming versatile EASYSET

By accessing the Medea Control web configurator from a local PC, without installing any software, the installer will find an easy and intuitive environment in which to fully program the system. Similar access is also possible remotely through the free services provided by Elkron Cloud.

- **Integrazione**

MEDEA integrates the traditional performance of a security system with video verification and video surveillance functions, through the connection of cameras and NVRs, not only Elkron branded but also devices from the leading market players. Home Automation functions are managed through a range

of wireless devices ZigBee.
Medea opens up integration between security systems and home automation through a Konnex interface, whose protocol has become a European reference for building automation applications and function control.

- **Prestazioni certificate**

MEDEA has been designed to comply with the strict criteria laid down by European Standards and tested at the Istituto Marchio di Qualità laboratories to obtain certification according to EN 50131, with security grade 2 or 3 depending on the model and configuration. Likewise, communication

is certified according to EN50136.

- **Conversione testo /voce multilingua** EASYRECORD

Medea Control includes a multilingual text-to-speech conversion system (TTS). During programming, with a simple command, the texts intended for voice transmission of events and those played by the optional bus sounder are sent to a Cloud service and returned to the control unit as high-quality audio files. The service is free of charge.

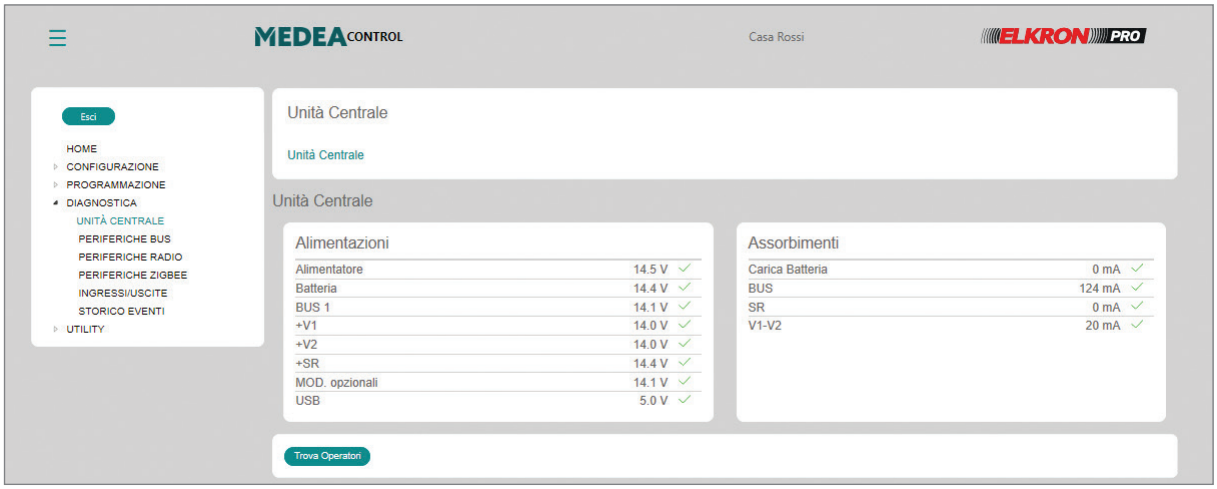
MEDEA SYSTEM

TOOLS FOR THE PROFESSIONAL

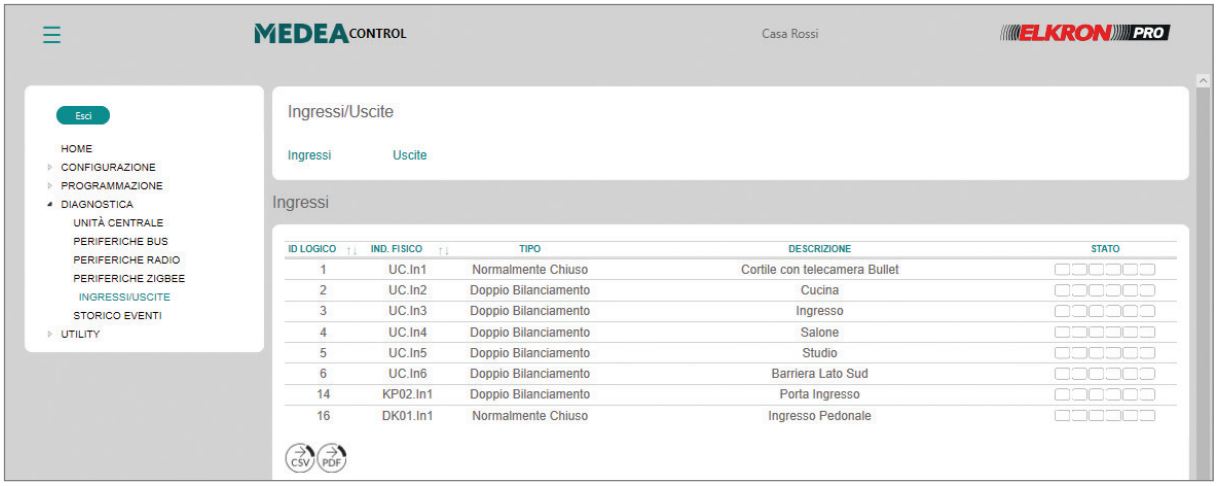
Easy installation, intuitive configuration, smart access from anywhere. The MEDEA system has been designed for simple and fast management, even in the case of complex security systems.

MEDEA control

The Medea Control configurator allows all devices making up the system to be acquired, whether connected to the field bus or via radio, and fully programmed. Access is simple and requires no PC configuration: simply connect the USB or Ethernet port to the control unit. After logging in, a practical control panel summarises the main parameters, allowing the system status to be checked quickly. The graphical interface is simple and intuitive, with the main menu always visible to guide the various programming sequences.



At the end of programming or during subsequent maintenance, a practical diagnostics module allows the installer to view important information about system integrity, such as instantaneous current consumption, protection status, wireless device signal level and battery charge. In addition, the practical 'INPUTS/OUTPUTS' function allows the various input and output states to be monitored in real time; outputs can also be switched in order to check interaction with the system.



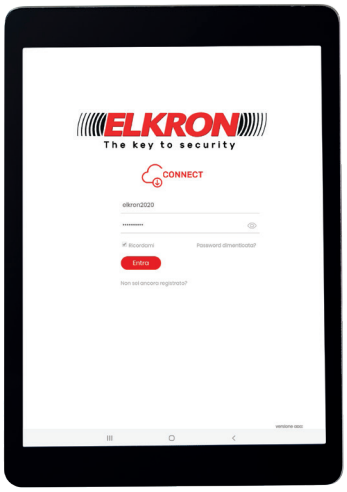
MEDEA SYSTEM

MEDEA APPLICATIONS

App ELKRON CONNECT

With Elkron Connect, the app reserved for installers, mobility goes hand in hand with simplicity. The app, available free of charge for both iOS and Android, provides access to the system from any mobile device, tablet or smartphone, allowing remote operation as if working directly on the control unit.

Elkron Connect can receive push notifications for predefined technical events and, if intervention on the system is required, the app identifies the best route to reach it.



CONNECT

Scarica su App Store

DISPONIBILE SU Google Play

App MY ELKRON KEY

The My Elkron Key app allows users to activate scenarios, manage areas and bypass individual devices using simple, clear commands. In just a few steps it is possible to check sensor status, verify any fault conditions or consult the event log. Users can select which events they wish to receive as push notifications directly on their mobile device or by e-mail.

- Section Video surveillance

  The user can view the cameras in real time and control PTZ on models with motorised optics, while following an alarm event a sequence of images can be received.

- Home Automation section

  Through this section, the user can send commands to individual home automation devices or groups of devices to raise or lower shutters, switch lights off or adjust room temperature.



KEY

Scarica su App Store

DISPONIBILE SU Google Play

MEDEA SYSTEM

VIDEO SURVEILLANCE

Video surveillance applications can be handled by IP cameras from the best-known brands on the market, wired to the same LAN as the control unit or connected via Wi-Fi. Through the My Elkron Key user app, they can be viewed live or the alarm playback can be consulted when the cameras are equipped with an SD card. Medea can also autonomously interpret alarm events generated by the camera's video analytics and, likewise, send commands to the camera generated by typical intrusion alarm events.

Management of standard ONVIF NVRs is also provided and, in this case too, the user can manage the typical viewing and playback functions from the My Elkron Key app.





OPEN TO THIRD-PARTY VIDEO SOLUTIONS

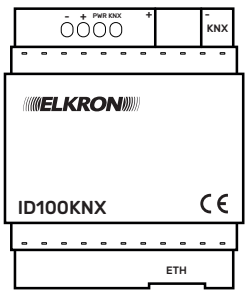
To make things easier for installers using video devices from other brands, we have designed the My Elkron Key app so that it can natively integrate the SDKs of cameras and NVRs from the main players on the market.

dahua TECHNOLOGY · HIKVISION · BOSCH Tecnologia per la vita · neius urmet · LILIN · unv · uniarch · TKH

HOME AUTOMATION

The MEDEA system can manage residential Home Automation functions thanks to compatibility and integration with the Elkron range of 2.4 GHz ZigBee wireless peripheral devices. Temperature control, load control, shutter motor control and other device control functions are integrated into the system and can be used in different applications.

Through a dedicated interface, the MEDEA system can interact bidirectionally with Konnex-standard home automation devices.



KNX

THERMOREGULATION LIGHTING CONTROL · SHUTTER CONTROL · TECHNOLOGICAL DEVICE MANAGEMENT

MEDEA SYSTEM

INTEGRATION PLATFORMS

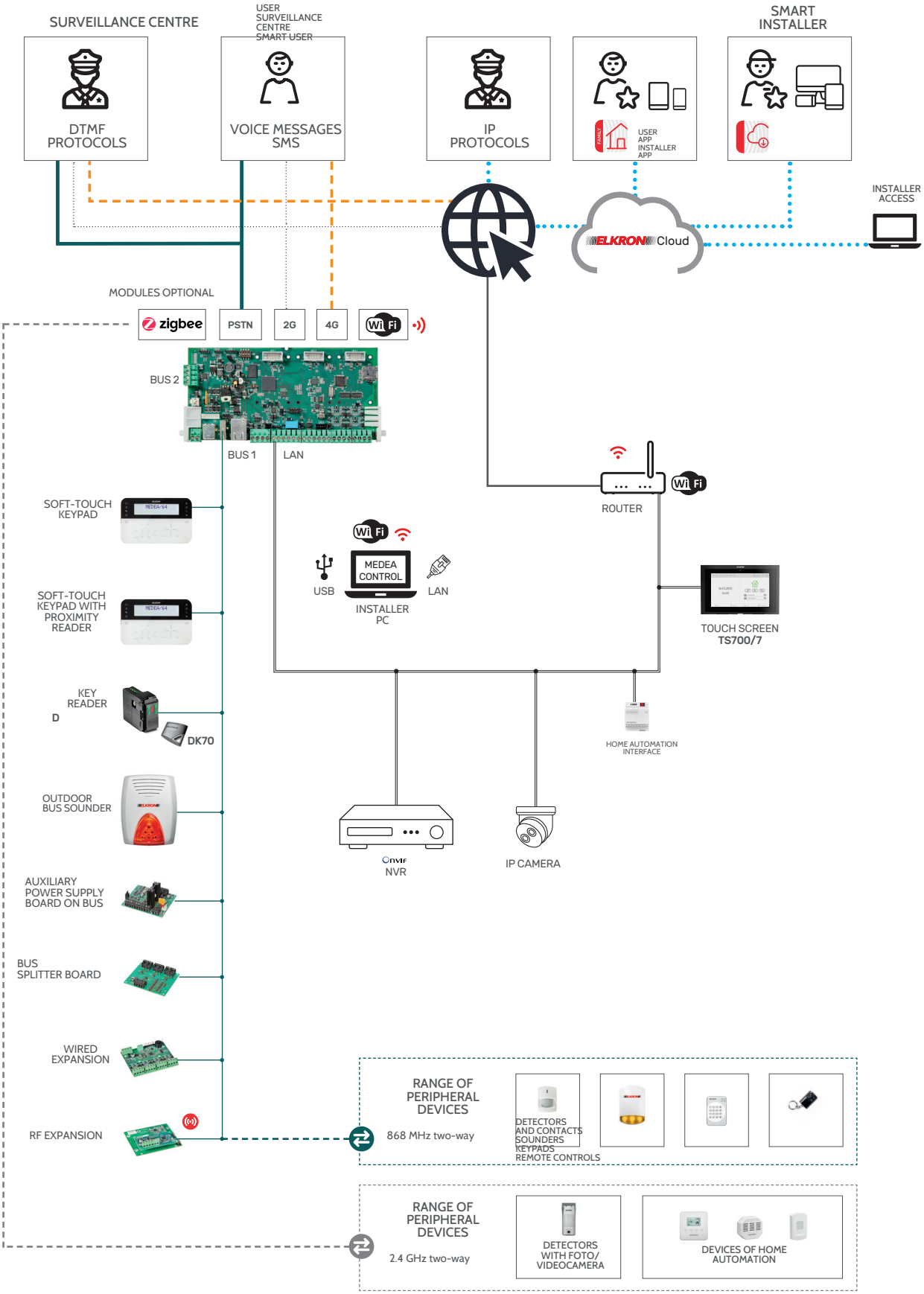
To extend the system application range, Medea control units have been integrated into VMS and PSIM platforms, among the best known worldwide.

milestone prysm PRASSEL INNOVATION MADE IN ITALY

These solutions provide centralised management of Medea systems both locally and remotely, allowing an operator, for example, to view alarms on a graphical site map and send the main commands to the systems, such as total or partial arming or the activation of scenarios.



MEDEA SYSTEM



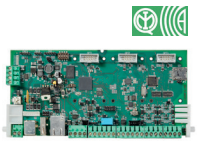
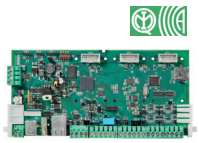
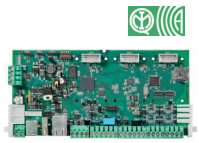
MEDEA SYSTEM

MAIN FEATURES OF THE ELECTRONIC BOARDS

High computing capacity and processing speed are made possible by two powerful microcontrollers and large-capacity memories such as 1 GB RAM and 2 GB FLASH. The configuration pages reside on the board, which also integrates the Web Server. A dedicated audio codec circuit ensures faithful reproduction of voice messages. Communication interfaces can be plugged directly into the board without position constraints. The PSTN, 2G, 4G, Wi-Fi and ZigBee modules therefore communicate with the CPU at maximum speed and without risk of interference. All versions feature one LAN port and one USB Type-B port, while the /64 and /160 models also provide an additional USB Type-A port. The /64 and /160 models have two RS485 field buses (one on the /32) and removable slide-type terminals to simplify wiring and subsequent maintenance. A dedicated connector makes it quick and easy to wire the wireless expansion board when housed inside the control unit's plastic cabinet. A characteristic feature of Elkron systems is the presence of a dedicated 'tamper' line input and the useful SR terminal for directly powering self-powered sounders, bypassing the control unit's backup battery. The accuracy of the internal clock is ensured by a dedicated RTC (real-time clock), while its backup guarantees operation even if the control unit's power sources are temporarily disconnected. Current/voltage measurement circuits at the board's critical points also make it possible to obtain important diagnostic information remotely. A power management system controls battery charging and guarantees nominal field current even in the event of a faulty battery, while on the /64 and /160 versions an additional cut-off circuit prevents deep discharge, which is harmful to lead-acid batteries.

MEDEA SYSTEM

ELECTRONIC BOARDS

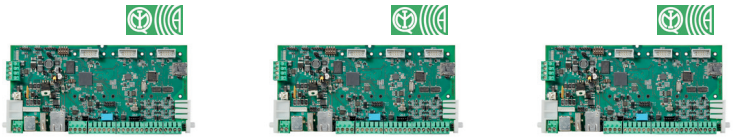
MEDEA

MEDEA/32 board item no. 80MP1B00211 MEDEA/64 board item no. 80MP1C00211 MEDEA/160 board item no. 80MP1D00211

HARDWARE FEATURES			
NO. OF POINTS (IN/OUT) MANAGED BY THE SYSTEM	32	64	160
INPUTS TO BORDO	6		
TAMPER INPUT (24H)	1		
OUTPUTS TO BORDO	1 (RELAY) + 1 OR.C.		
SR POWER SUPPLY (FOR SELF-POWERED DEVICES)	1		
POINTS (IN/OUT) "PRIO" TO BORDO	-	2	
BUS OF FIELD RS485	1	2	
LAN PORT	1		
USB TYPE-A PORT	1		
USB TYPE-B PORT	-	1	
RTC CLOCK CHIP	YES		
PRINTED REMOVABLE TERMINALS	-	YES	
SLOT POLARIZZATI, FOR MODULES OPTIONAL	3		
RF EXPANSION CONNECTOR	1		
CONTROL CHARGE BATTERY	YES		
PROTECTION BATTERY FROM SCARICA PROFONDA	-	YES	
ENCLOSURES			
PLASTIC BOX WITH 1.5A POWER SUPPLY UNIT	YES		
METAL BOX WITH 3.4A POWER SUPPLY UNIT	-	YES	
BATTERY	7 Ah	from 7Ah to 18Ah	from 7Ah to 18Ah

MEDEA SYSTEM

ELECTRONIC BOARDS



MEDEA/32 board item no. 80MP1B00211 MEDEA/64 board item no. 80MP1C00211 MEDEA/160 board item no. 80MP1D00211

PERFORMANCE FEATURES			
RF RADIO DEVICES MANAGED BY THE SYSTEM	32 Detectors 8 Remote controls 2 Keypads 2 Outdoor sounders	64 Detectors 24 Remote controls 4 Keypads 4 Outdoor sounders	140 Detectors 40 Remote controls 4 Keypads 4 Outdoor sounders
DEVICES HOME AUTOMATION/SECURITY ZIGBEE DEVICES MANAGED BY THE SYSTEM	5 Total, including 2 photo/video	30 Total, including 6 photo/video	40 Total,
TANDEM FUNCTION (MANAGEMENT OF 2 INPUTS ON THE SAME POINT)	YES		
ZONES	8	16	32
SCENARIOS	10	40	100
EVENT LOG	1000	4000	
USERS	50	150	200
KEYS	50	150	200
AUTOMATIC BUS DEVICE LEARNING	YES		
WEB SERVER INTEGRATED	YES		
TTS (TEXTTOSPECH)	YES		
ANNUAL/PERPETUAL TIME PROGRAMMER	YES		
IP CAMERA MANAGEMENT	4	32	32
IP NVR MANAGEMENT	YES		
KONNEX INTERFACE MANAGEMENT	1	2	4
AUTOMATIC NTP CLOCK SYNCHRONISATION	YES		
REMOTE SYSTEM UPDATE	YES		
EXPANDABILITY			
WIRED I/O EXPANSIONS	6	20	40
WIRELESS EXPANSIONS	2	3	5
ZIGBEE EXPANSION	1		
KEYPADS ON BUS	8	16	16
PROXIMITY READERS ON BUS	16	32	32
TOUCHSCREEN ON LAN	2	4	8
SOUNDERS BUS	4	16	24
INTERFACE GSM/GPRS	YES		
INTERFACE 4G /LTE	YES		
INTERFACE PSTN	YES		
INTERFACE WIFI	YES		
INPUTS/OUTPUTS VIRTUALI	-	64	160
COMMUNICATION			
INTERNET CONNECTIVITY (IP)	YES		
SIA IP - DC09 COMMUNICATION PROTOCOL	YES		
SIA DTMF - DC05 COMMUNICATION PROTOCOL	YES		
VOICE MESSAGES (TTS)	YES		
SMS MESSAGES	YES		
PUSH NOTIFICATIONS	YES		
NOTIFICHE AND-MAIL	YES		
VIDEO CLIPS AND IMAGES	YES		
CERTIFICATIONS			
EN50131 – 3 – 6	grade 2 class II	grade 2/3 class II	
EN50136	SP6, DP1/DP2		

MEDEA SYSTEM

ENCLOSURES FOR ELECTRONIC BOARDS

KIT BOX PLASTICO C/PS1,5A item no. 80MP1P00211
Plastic cabinet with 1.5 A power supply unit



- Material: ABS
- Colour white RAL 9003
- Protected opening and distacco
- Designed for mounting Medea CPU board
- Designed for mounting wired/radio expansions
- Power supply unit switching 230Vac 14,4Vdc from 1,5 To
- Battery can be housed 12Vdc 7-9 Ah
- Dimensione (H x L x P): 238 x 340 x 90 mm
- Compliant EN50131 grade 2/3

KIT BOX METALLICO C/PS3,4A item no. 80MP1U00211
Metal cabinet with 3.4 A power supply unit



- Material: sheet metal type P01
- Colour white RAL 9003 lucido
- Protected opening and distacco
- Designed for mounting Medea CPU board
- Designed for mounting wired expansions
- Designed for mounting GSM and 4G antenna
- Power supply unit switching 110/230Vac 14,4Vdc from 3,4 To
- Battery can be housed 12Vdc 18 Ah
- Dimensions (H x L x P): 435 x 320 x 93 mm
- Compliant EN50131 grade 3

CONTROL DEVICES

KP710D item no. 80KP7900211
Soft-touch keypad



- Ampio display LCD, area visibile 99 x 24 mm
- Technology CapSense®
- Contrast and brightness adjustment
- Adjustable buzzer sound level
- Built-in temperature sensor
- 7 buttons of navigation, 4 buttons function,
- 12 buttons alphanumeric
- 4 LED of signalling
- 1 terminale programmable type PrIO
- Dimensions (L x H x P): 157 x 100 x 22 mm
- Compliant EN50131 grade 3 class II

MEDEA SYSTEM

CONTROL DEVICES

KP710DP item no. 80KP8100211
Soft-touch keypad with proximity reader

Same features as the KP710D version but with integrated proximity reader (for DK70 key)



TS700/7 item no. 80KP8400111



- Power supply PoE
- Display 7" TFT type capacitivo
- Resolution: 1024 x 600 px
- Connection Ethernet or Wi-Fi
- Micro camera
- Mifare proximity reader
- Microphone and loudspeaker
- SD card reader
- Dimensions (L x H x P): 215 x 140 x 20 mm

DK700M-P item no. 80DK6500111
Mifare proximity key reader



- From incasso on standard BTicino Magic
- 5 LEDs: 4 for system status display + 1 alarm memory
- 2 terminali programmable type PrIO
- Buzzer incorporato
- Compatible with adaptors for the most common residential electrical ranges (optional)
- Compliant EN50131 grade 3 class II
- Available in white version DK700M-P/B (item no. 80DK6600111)

DK700K-P item no. 80DK1200111
Keystone proximity key reader for MEDEA series control units



- Technology Mifare
- Compatible with keys
- Mifare model DK70
- 2 points PriO (IN/OUT)
- 2 system status LEDs
- Buzzer for locating in field and function "Gong"
- Dimensions (L x H x P): 22 x 40 x 50 mm
- EN50131 certification, Grade 3 Class II

DK70 item no. 80DK6400111
Mifare proximity key

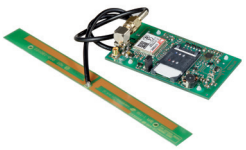


- Material ABS
- Combinazioni: > 4 Miliardi
- Protection rating IP68 - IK08

MEDEA SYSTEM

COMMUNICATION DEVICES

IT700-GSM item no. 80CT7610111
Interface GSM with antenna



Plug-in communication module equipped with a polarised connector for direct installation on the Medea CPU board. It extends communication capabilities, allowing voice messages and/or SMS to be sent and events to be transferred in data mode.

- ✓ Quadribanda: 850/900/1800/1900
- ✓Slot for NANOSIM
- ✓Function ricerca miglior operatore
- ✓Jamming detection function
- ✓Antenna intercambiabile, type SMA
- ✓Compliant EN50136-2 SP2-SP4 DP1-DP2

ANT 2/4G HG item no. 80AN1700133



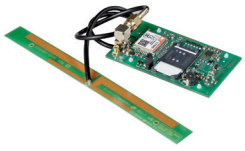
- ✓•Compatible with interfaces IT700-GSM and IT700-4G
- ✓•Band of frequency : 698-960 / 1710-2170 / 2400-2690 MHz (with V.S.W.R. < 2 : 1)
- ✓ Impedenza: 50 Ω
- ✓ Polarizzazione: lineare
- ✓•Connection. SMA maschio
- ✓•Cable: 5 mm diameter x 5 m length
- ✓•Dimensions (L x H x P): 175 x 100 x 80 mm

ANT 2/4G BM item no. 80AN1600133
Antenna for metal cabinet



- ✓•Compatible with interfaces IT700-GSM and IT700-4G
- ✓•Bande of frequency : 790-960 / 1710-2170 / 2400-2690 MHz
- ✓ Impedenza: 50 Ω
- ✓ Polarizzazione: lineare
- ✓•Connection. SMA maschio
- ✓•Dimensions: diametro 15,9 x 91 mm

IT700-4G item no. 80CT7910111
Interface 4G with antenna



Plug-in communication module equipped with a polarised connector for direct installation on the Medea CPU board. The module provides full backup of LAN communications as well as sending voice messages and/or SMS and transferring events in data mode.

- ✓ LTE cat1 : 10Mb/s download, 5Mb/s upload
- ✓•Slot for NANOSIM
- ✓ Multibanda
- ✓•Function ricerca miglior operatore
- ✓•Jamming detection function
- ✓•Antenna intercambiabile, type SMA
- ✓•Compliant EN50136-2 SP2-SP4 DP1-DP2

MEDEA SYSTEM

COMMUNICATION DEVICES

IT700-WIFI item no. 80IT2810111

Interface Wi-Fi



Plug-in communication module equipped with a polarised connector for direct installation on the Medea CPU board. It allows the control unit to be connected to the network infrastructure without the need for wiring.

- ✓ Dual band 2,4 Ghz
- ✓ Integrated antennas

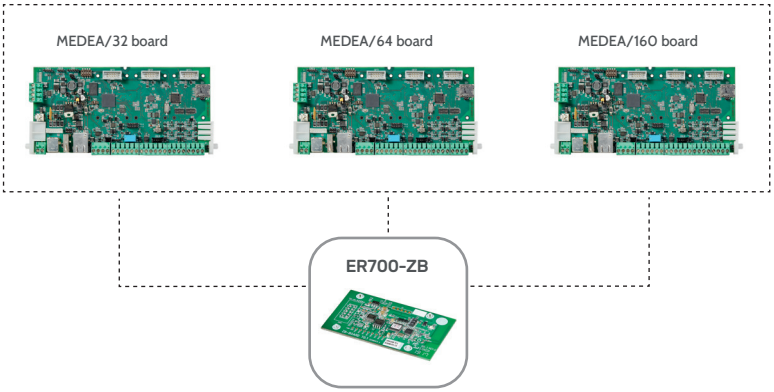
ER700-ZB item no. 80WL2610113

ZIGBEE expansion



Plug-in interface module equipped with a polarised connector for direct installation on the Medea CPU board. It enables integration of the intrusion alarm system with ZigBee peripheral devices, both for Home Automation applications and for video surveillance functions.

- ✓ Frequency of operation: 2,4 Ghz
- ✓ Max. 40 manageable ZigBee devices, including 6 with video surveillance function
- ✓ Free-air range*: 200 m (in the absence of reflections and/or attenuation)
- ✓ Integrated antenna
- ✓ Compatible with a wide range of Elkron home automation devices



MEDEA SYSTEM

COMMUNICATION DEVICES

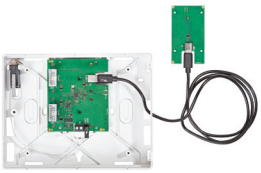
ILT700 item no. 80CT7810111
Interface line telefonica PSTN



Plug-in interface module equipped with a polarised connector for direct installation on the Medea CPU board. It allows connection to the PSTN telephone line, over which voice messages and DTMF events can be sent to alarm receiving centres.

- Connector for mounting on Medea board
- 2 terminals Input Line TEL
- 2 terminals Output Line TEL
- 1 morsetto connection terra
- Overvoltage protection
- Compliant EN50136 -2 SP2-DP1

UC700-IT item no. 80IT2910111
Control unit for ZigBee expansion and Wi-Fi interface



If the Medea board is installed inside the metal box, the control unit allows two connections for the ZigBee expansion and Wi-Fi interface to be brought outside the enclosure.

- Enclosure in ABS
- Micro contact of protection opening/removal
- USB Type-C connection (1 m cable supplied)
- Dimensions (L x H x P): 180 x 137 x 43 mm

MEDEA SYSTEM

COMMUNICATION DEVICES

ID100KNX item no. 80ID0100111
Interface home automation



The bidirectional interface module enables interaction between the Medea system and home/building automation devices connected to the Konnex® bus. The interface communicates with the control unit over the LAN and allows bidirectional exchange rules and commands to be configured between the Medea system and Konnex® devices.

- Power supply 10-26Vcc
- Web server integrated
- Up to to 30 addresses of group OUT
- Up to to 62 addresses of group STATI
- Up to to 32 addresses of group IN
- Protocols: KNX,TCP/IP, DHCP, HTTPS
- RJ45 connector for interfacing with the control unit via LAN
- Connector for KNX field bus with PUSH WIRE system
- Enclosure on barra DIN 4 modules, dimensions 70 x 90 x H60 mm

EXPANSIONS

EP708 item no. 80MP1V00211
Wired expansion



- 8 Points type PrIO
- 1 input tamper 24H
- 8 LED of status Input/Output and diagnostics
- Buzzer for locating in field
- Compliant EN50131 grade 3 class II
- Designed for installation in the control unit or in dedicated CP/EXP or CP/EP500 enclosure

EP708/N item no. 80EP0100111
Wired bus expansion, 8 I/O points; programmable ground reference.

Increases the number of inputs and/or outputs.

- 8 points PriO (IN/OUT)
- 1 input "tamper"
- 8 LED of status PriO
- Reference ground programmable from configuratore web server
- Buzzer for locating in field
- Can be housed inside optional CP/EP500 and CP/EXP enclosures, protected against opening and removal
- EN50131 certification, Grade 2 Class II

MEDEA SYSTEM

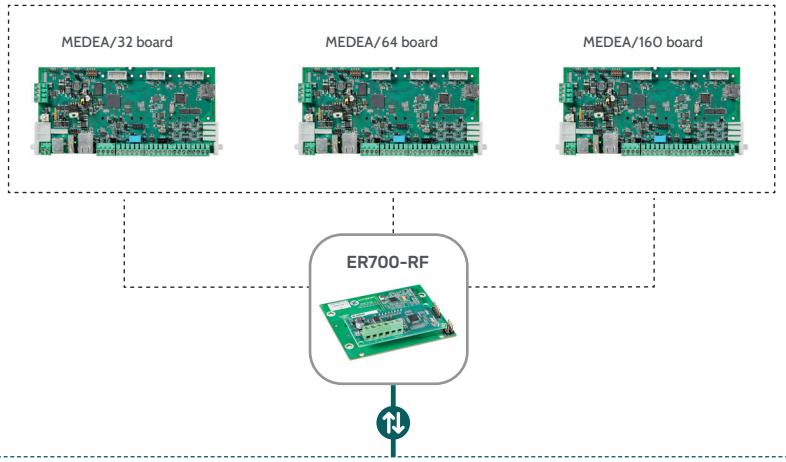
EXPANSIONS

ER700-RF item no. 80WL2510111

Two-way 868MHz RF radio expansion



- ✓•Two system bus connection options:
- terminalsera 4 poli
- flat cable on Medea board when installed inside the control unit in a plastic box
- ✓•Designed for installation in the control unit or dedicated CP/EXP enclosure
- ✓•Frequency: 868.6375 MHz
- ✓•Protocollo of two-way wireless communication in band narrow FSK ultra fast
- ✓•Type of communication: serial protocollo Elkron
- ✓•Communication technology: two-way radio frequency
- ✓•Radio range: 2 km (in the absence of reflection and/or attenuation)
- ✓•Number maximum of wireless devices managed:
- 32 Detectors
  - 8 Telecomandi
- 2 Keypads
- 2 Sounders outdoor



RF WIRELESS DEVICES



MEDEA SYSTEM

EXPANSIONS

SA700 item no. 80PS9410111
Supplementary power supply board on bus



- Can be housed and manageable from:
- plastic cabinet with 1.5 A power supply unit
- metal cabinet with 3.4 A power supply unit
- Connection on MEDEA BUS
- 2 outputs BUS isolate galavanicamente and regenerated
- Dual output power supply 12Vdc protected from sovracorrenti
- Input tamper
- Output SR for devices self-powered
- Control battery charging
- Sgancio battery
- Compliant EN50131-6 grade 3 class II

SRPT700 item no. 80IT7410111
Bus splitter board



- Can be housed inside CP/500 and CP/EXP wall enclosures
- Connection on MEDEA BUS
- 3 outputs BUS isolate and regenerated
- Compliant EN50131 grade 3 class II

IT700-POE item no. 80IT7510111



- Can be housed inside CP/500 and CP/EXP wall enclosures
- Power supply voltage: 13,8 Vdc
- 3 porte Ethernet
- 1 porta PoE
- Power PoE max 14W

ACCESSORIES

CP/EP500 item no. 80MP6J00111
Wall-mounted ABS enclosure for expansions and interfaces



- Dimensions (L x H x P): 105 x 80 x 22 mm

CP/EXP item no. 80MP4J00111
Wall-mounted ABS enclosure for expansions



- Micro contact of protection opening/removal
- Allows EN50131 Grade 3 certification to be maintained for the expansion module
- Dimensions (L x H x P): 180 x 137 x 43 mm

MEDEA SYSTEM

SOUNDERS

SB700-B item no. 80HP1G00211

Sounder bus outdoor



- Power supply / battery charging: 13.8 Vdc from control unit BUS
- Programmable from the control unit web configurator
- Sound pressure: › 102.5-104.1 db(To) @ 1 m
- Indications acoustic programmable
- Indications visual programmable
- Alarm memory
- Temperature sensor
- Griglia intermedia with antischiuma: Optional
- Housing for battery: Sealed Pb 12 V 2,2 Ah
- Enclosure material: ABS / ASA / PC
- Operating temperature: -25 /+55 °C
- Protection rating: IP44
- Resistance all'impact: IK08 (5 Joule)
- Dimensions: 215 x 270 x 90 mm
- Certified

- EN50131-1 Rating of Security 2
- EN50131-4 Rating of Security 2
- EN50130-5 Class IV

MEDEA SYSTEM

SOUNDERS

SB700-SC item no. 80HP1H00111
BUS sounder without cover



Outdoor BUS sounder fully controlled by the MEDEA system; a closing cover must be fitted.

- Matching cover, available in two colours:
- metallic grey cover CP800-G item no. 80HP1L10111
- antique copper cover CP800-R item no. 80HP1M10111
- Power supply / battery charging: 13.8 Vdc from control unit BUS
- Standby current consumption: 40mA
- Sound pressure: > 102.5-104.1 db(To) @ 1 m
- Functions programmable from the MEDEA control unit configurator
- Emission voice messages
- Intermediate grille with anti-foam protection: optional
- Housing for battery: sealed Pb 12 V 2,2 Ah
- Dimensions: 215 x 270 x 90 mm

GRI/HPA800 item no. 80HP1C10111
Intermediate grille with anti-foam protection



Intermediate grille with anti-foam system for outdoor sounders, compatible with HPA800, SB700-B and SB700-SC models.

- Includes anti-foam module
- Secured to the base with captive screws

CP800-G item no. 80HP1L10111
Metallic grey cover for outdoor sounder



Metallic grey cover for outdoor sounder model SB700-SC.

- Material polymer technical ASA (Acrylonitrile Syrene Acrylate)
- Paint acrylic grey metallic
- Dimensions: 215 x 270 x 90 mm

CP800-R item no. 80HP1M10111
Antique copper cover for outdoor sounder



Antique copper cover for outdoor sounder model SB700-SC.

- Material polymer technical ASA (Acrylonitrile Syrene Acrylate)
- Paint acrylic copper antique
- Dimensions: 215 x 270 x 90 mm

MP500 SYSTEM

The MP500 system is the ideal solution for creating intrusion alarm systems in different environments. It is easily scalable to meet residential, business or industrial needs; it can be managed from smartphones and tablets and can be integrated with video surveillance cameras. The modular design of the system allows the same peripheral devices (readers, keypads, interfaces, expansions, etc.) to be used with all control units in the range. All control units use the same communication protocol, are installed in the same way and can be remotely managed using HI-CONNECT software.

- **Maximum ease of management**
  Thanks to connectivity with smartphones, tablets, landline telephones, LAN and WAN, the MP500 system can be managed easily both locally and remotely, by both the installer and the end customer. Elkron's HI-CONNECT software makes it possible to manage, program and check the entire system remotely, with the additional option of copying the complete programming to a USB flash drive and checking the main system information live.

- **High system flexibility**
  Ease of installation, together with speed and flexibility of the entire system, are the strengths of MP500. Expandable inputs make it ideal for environments of different sizes, while the possibility of installing up to 8 IP cameras allows video surveillance to be combined with intrusion alarm functions. Thanks to the speak/listen keypad, the MP500 system can also activate room listening in the protected area.



MP500 SYSTEM

- Wide customisation options
  The various functions of the MP500 system, including video surveillance, fire alarm, home automation, emergency call and proof-of-life functions, allow users to customise the system according to their needs.
- Landline/mobile phone management
  Simple and complete system management, also through an easy and practical voice menu. In the event of a telephone call, the area concerned by the alarm is identified immediately. Room listening can also be activated when speak/listen keypads are used.
- Software of remote management Hi-Connect
  Remote control unit management, checking and programming via PSTN/GPRS telephone networks and LAN/WAN.
- Connection to alarm receiving centre
  Via protocols numerici/in DTMF and/or IP.
- Telemanagement
  Via PSTN, GPRS, LAN and WAN networks. Possibility to send voice, digital and SMS alarms.
- Remote DTMF control management
  With voice guide, speak/listen room monitoring functions and Caller ID (caller identification).
- SMS management
  Service functions can be activated by sending an SMS. Input alarm identification by SMS message.

	MP500/4N	MP500/8	MP500/16
INPUTS BASE / EXPANDABLE	4/32	8/64	8/128
OUTPUTS BASE / EXPANDABLE	2/11	6/27	6/51
PSTN TRANSMITTER	OPTION (ILT500-N)	YES	YES
MULTI-PROTOCOL DIGITAL TRANSMISSION	SI	SI	SI
VOICE MESSAGE TRANSMISSION	Option (SV500)	Option (SV500)	Option (SV500)
TIME PROGRAMMER	SI	SI	SI
LAN MANAGEMENT	SI	SI	SI
GSM/GPRS TRANSMISSION	Option (IMG500/N)	Option (IMG500/N)	Option (IMG500/N)
LCD KEYPAD	SI	SI	SI
SOFT-TOUCH KEYPAD	SI	SI	SI
WIRELESS EXPANSION	SI	SI	SI
SYSTEM PARTITIONING INTO SECTORS	4	8	16
SYSTEM PARTITIONING INTO AREAS	2	4	4
WEB INTERFACE	Option (IT500WEB)	Option (IT500WEB)	Option (IT500WEB)
CLOUD INTERFACE	NO	Option (IT500CLOUD)	NO
EVENT LOG MANAGEMENT	1000 eventi	1000 eventi	1000 eventi
EN50131 CERTIFICATION	Rating 2	Rating 3	Rating 3

MP500 SYSTEM

MAIN SYSTEM FEATURES

- Immediate system setup: devices can be acquired without setting addresses by DIP switches. Simply press their programming button and the control unit will send the assigned address and factory configuration parameters to the device.

- Service keypad: a temporary service keypad can be connected to the control unit through a dedicated connector for programming or maintenance. The service keypad can be disconnected from the system at the end of installation without having to reprogram the control unit.

- Extensive input programming: each individual input can be configured by type (seven) and specialisation (twenty). Every input on the control unit, keypad, expansion or reader can also manage Elkron VSD3 and MMZ01 inertia sensors and Elkron MF01 and MF02 roller-shutter sensors.

- WIRELESS device management: a range of wireless devices can be integrated into the wired system, including infrared detectors, contacts, remote controls, indoor sounders, outdoor sounders and keypads.

- Advanced technical alarms: in response to a 'technical' event, such as flooding in a room, the system can command specific actions, for example closing the water solenoid valve, as well as sending the corresponding alarms. To adapt to different situations, the system provides three types of output management.

- Emergency call: a dedicated input can generate a telephone call, notifying the recipient by voice message that assistance is required. If a KP500DV/N voice keypad is installed, hands-free communication can be established with the person who raised the alarm.

- Door opener: an electric lock can be controlled through the dedicated 'door opener' output. This makes it possible to restrict access to specific areas to authorised personnel only. The date, time and user who commanded the opening are recorded in the control unit.

- Voice guide for remote management: the system guides user telephone interaction by means of voice messages.

- Advanced voice alarm calls: possibility to send voice calls with a specific message for individual zones and/or inputs.

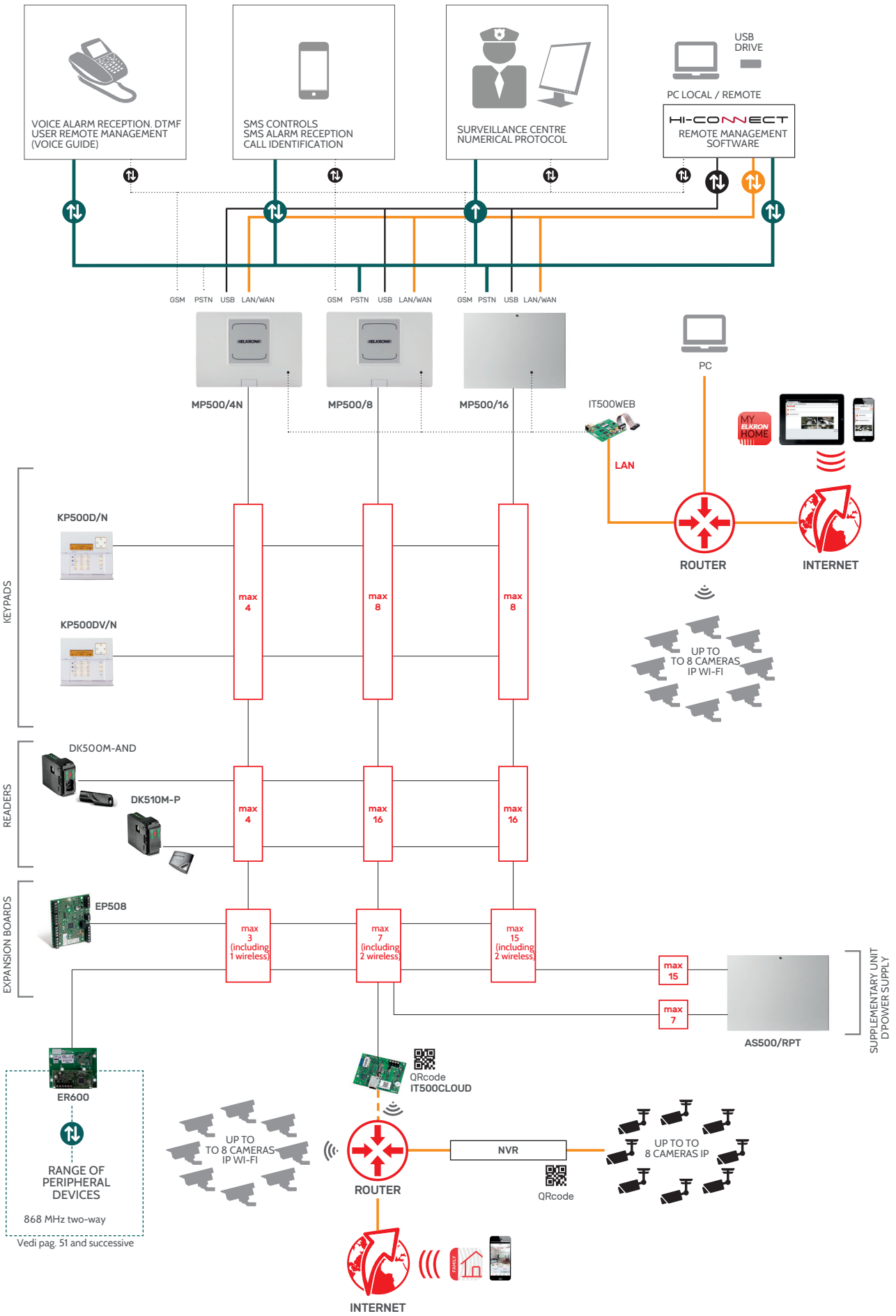
- Service message broadcasting: diagnostic information can be provided to the user by hands-free voice messages emitted by the voice keypad.

- Video functions: through the app, the MP500 system can manage up to 8 IP/Wi-Fi cameras freely associated with one or more system inputs.

- Telemanagement via LAN/WAN
  - Connection speed: 115,200 baud - Up to 12 static IP addresses can be entered for alarm transmission - Alarm transmission can be programmed - •Management of fault signalling (connection failure), with the event stored in the control unit event log

- System data transfer: installers can prepare the control unit programming on a PC, save it to a USB flash drive and then go to the customer's premises with just the flash drive to update the control unit software. The flash drive can also be used for other useful functions: - make programming changes at the customer's premises using the keypad, save them to the flash drive and then update the data in Hi-Connect back at the office - if the previous programming has been stored on the flash drive, the control unit can be replaced at the customer's premises without having to reconfigure the system - if two systems need to be created using the same keys and/or user codes, the flash drive can be used to duplicate key codes and/or user codes - for additional security, the flash drive can be used as a BACKUP for configurations and codes

MP500 SYSTEM



MP500 SYSTEM

CONTROL PANELS

MP500/4N item no. 80MP1N00111

Alarm control unit with 4 inputs expandable up to 32. Remote management, video verification and wireless device management.



- 4 standard programmable inputs + 1 24h input; expandable up to 32 (wired/wireless)
- 2 outputs programmable (1 relay + 1 OC 150mA) expandable to 11
- System splittable into up to 4 zones
- 1 field bus for connection of: max. 4 display keypads, max. 3 expansions, max. 4 key readers
- Management of 16 user codes (4 to 6 digits) and 16 keys
- 1000-event log
- Weekly time programmer, 8 daily controls
- Up to 12 telephone numbers for alarm transmission
- Telegestibile to remote via modem
- Digital transmission via numerical protocols and/or modem
- Telephone transmission to 12 telephone numbers through numerical protocols and/or modem
- Speech synthesis interface for sending alarm messages
- Voice guide for DTMF remote controls
- GSM interface with antenna that can be placed inside the control unit
- Comandi DTMF for management system to remote
- Ethernet interface for connection of the control unit to a LAN or ADSL modem
- Interface PSTN ILT500-N
- Web interface and user application for video management (up to 8 IP cameras) and intrusion alarm management from remote mobile devices (PC, tablet, smartphone)
- Wireless expansion for hybrid system management
- USB interface for connection to a PC, local programming and data storage/retrieval via USB drive
- Application software Hi-Connect for programming and tele management
- Enclosure in ABS white
- Battery can be housed: 12 Vdc - 7 Ah
- Power supply unit switching. 1,5 To
- Dimensions (H x L x P): 238 x 340 x 90 mm
- EN50131 certification, Grade 2 Class II

MP500 SYSTEM

CONTROL PANELS

MP500/8 item no. 80MP4L00111

Alarm control unit with 8 inputs expandable up to 64 with integrated PSTN telephone dialler. Remote management, video verification, wireless device management, bus repeater



- 8 programmable inputs + 1 dedicated 24H tamper input as standard; expandable up to 64 (wired/wireless)
- 6 programmable outputs (2 relays + 4 OC) as standard; expandable up to 27
- System splittable into up to 8 zones
- Management of 32 user codes (4 to 6 digits) and 32 keys (DK50 electronic keys or DK70 proximity keys)
- 1000-event log
- Weekly time programmer, 8 daily controls
- 1 field bus for connection of: max. 8 display keypads, max. 7 expansions, max. 16 key readers
- Direct connection for service keypad
- Telephone transmission to 12 telephone numbers through numerical protocols and/or modem
- Voice synthesis interface: factory-recorded messages for each system input/sector/event, audio BUS for voice and room-listening functions via keypad (KP500DV/N)
- Voice guide for DTMF remote controls
- GSM interface with antenna that can be placed inside the control unit
- Ethernet interface for connection of the control unit to a LAN or ADSL modem (12 static IP addresses)
- Web interface and user application for video management (up to 8 IP cameras) and intrusion alarm management from remote mobile devices (PC, tablet, smartphone)
- Interface cloud for app user
- Wireless expansion for hybrid system management
- USB interface for connection to a PC for local programming
- USB drive interface (standard type) for storing and retrieving system programming
- Application software HI CONNECT for programming and remote management
- Battery can be housed: 12 Vdc 7 Ah
- Power supply unit switching: 1,5 To
- Dimensions (H x L x P): 238 x 340 x 90 mm
- EN50131 certification, Grade 2 Class II

MP500 SYSTEM

CONTROL PANELS

MP500/16 item no. 80MP5L00111

Alarm control unit with 8 inputs expandable up to 128 with integrated PSTN telephone dialler. Remote management, video verification, wireless device management, bus repeater.



- 8 programmable inputs + 1 tamper input as standard; expandable up to 128 (wired/wireless)
- 6 programmable outputs (2 relays + 4 OC) as standard; expandable up to 51
- System splittable into up to 16 zones
- System splittable into up to 4 areas
- Management of 64 user codes (4 to 6 digits) and 64 keys (DK50 electronic keys or DK70 proximity keys)
- 1000-event log
- Weekly time programmer, 8 daily controls
- 1 field bus for connection of: max. 8 keypads, max. 15 expansions, max. 16 key readers
- Direct connection for service keypad
- Telephone transmission to 12 telephone numbers through numerical protocols and/or modem
- Voice synthesis interface: factory-recorded messages for each system input/sector/event, audio BUS for voice and room-listening functions via dedicated keypad, voice guidance to assist remote DTMF commands

- Wireless expandability
- GSM interface with antenna that can be placed inside the control unit
- Ethernet interface for connection of the control unit to a LAN or ADSL modem
- Web interface and user application for video management (up to 8 IP cameras) and intrusion alarm management from remote mobile devices (PC, tablet, smartphone)
- USB interface for connection to a PC for local programming
- USB drive interface (standard type) for storing and retrieving system programming
- Application software HI CONNECT for programming and remote management
- External antenna for GSM module, mountable on the top edge of the enclosure
- Battery capacity: 12 V @ 17 Ah
- Power supply unit switching: 3,4 To
- Dimensions (H x L x P): 350 x 490 x 145 mm
- EN50131 certification, Grade 3 Class II

KIT SOLUTIONS

KIT ANTINTRUSIONE MP500/4N item no. 80KT3N00111

Kit composto from 1 control unit MP500/4N + 1 keypad KP500D/N

KIT ANTINTRUSIONE MP500/8 item no. 80KT1N00111

Kit comprising 1 MP500/8 control unit + 1 KP500D/N keypad + 1 SV500/N speech synthesis module



MP500 SYSTEM

CONTROL DEVICES

KP500D/N item no. 80KP7100111
Remote keypad with 2-line, 16-character alphanumeric LCD display



- Min/max operating voltage: 9 Vdc to 15 Vdc
- Contrast and brightness adjustment
- 9 system status indication LEDs
- 12 buttons alphanumeric
- 7 buttons of navigation
- 3 buttons of control quick
- Buzzer with adjustable sound level
- 2 inputs auxiliary
- The keypad is protected against opening and removal and is powered by the bus connecting it to the control unit
- Dimensions (L x H x P): 151 x 125 x 29 mm
- EN50131 certification, Grade 3 Class II

KP500DV/N item no. 80KP7200111
Remote keypad with 2-line, 16-character alphanumeric LCD display and speech synthesis



- Min/max operating voltage: 9 Vdc to 15 Vdc
- Contrast and brightness adjustment
- 9 system status indication LEDs
- 12 buttons alphanumeric
- 7 buttons of navigation
- 3 buttons of control quick
- Buzzer with adjustable sound level
- Microphone, loudspeaker and audio connection
- The keypad is protected against opening and removal and is powered by the bus connecting it to the control unit
- Dimensions (L x H x P): 151 x 125 x 29 mm
- EN50131 certification, Grade 3 Class II

DK500M-E item no. 80DK5000211
Electronic key reader for DK50 key



- 5 LEDs: 4 for system status display + 1 alarm memory
- 2 inputs to bordo, programmable
- Compatible with the full range of Elkron residential electrical system adaptors
- Available in white version DK500M-E/B item no. 80DK5100211
- Compliant with EN50131 grade 2 class II

DK50 item no. 80DK5400211
Unique-code digital electronic key (over 1,099 billion possible combinations)



- Material ABS
- Customisable using coloured inserts (DK30-50 kit)

MP500 SYSTEM

CONTROL DEVICES

DK510M-P item no. 80DK6200111
Proximity key reader for DK70 key



- 5 LEDs: 4 for system status display + 1 alarm memory
- 2 inputs to bordo programmable
- Available in white version DK510M-P/B item no. 80DK6300111
- Compliant with EN50131 grade 2 class II

DK70 item no. 80DK6400111
MIFARE proximity key



- Material ABS
- Protection rating IP68 - IK08

KIT DK30-50 item no. 80KT9410111
Coloured inserts for customising DK50 keys

COMMUNICATION DEVICES

ILT500-N item no. 80CT6920115
PSTN telephone line interface for MP500/4N control unit (or replacement for all MP500 range control units)



SV500N I/F/GB item no. 80CT6610111
Speech synthesis board connectable to the control unit through the dedicated connector (earphone supplied)



- Factory-recorded messages for each system input/zone/event
- Tre languages selectable: Italian/English/French
- Audio BUS for voice and room listening functions via keypad (KP500DV/N)
- Voice guide for DTMF remote controls

IMG500-4G item no. 80CT8410111
4G module with antenna that can be housed inside MP500 control units with plastic enclosure.

IMG500-4G is the interface that connects MP500 control units to the 4G network for sending alarm reports.

Commands are received and remote programming is carried out using the Hi-Connect application. The interface is equipped with a 4G transmitter/receiver and includes an antenna to be installed inside the MP500/4/8 control unit. If the location of the control unit does not allow the 4G module to receive sufficient signal coverage, the optional ANT 2/4G HG antenna can be used. When the 4G module is used with the metal MP500/16 control unit, the supplied antenna must be replaced with the optional ANT 2/4G BM antenna for metal cabinets.

MP500 SYSTEM

COMMUNICATION DEVICES

ANTENNA GSM 2 item no. 80AN0400111



Antenna for metal enclosure

Antenna for metal enclosure with SMA-M connector.
To be used with the IMG500-4G module.

ANT 2/4G HG item no. 80AN1700133



Compatible with IMG500-4G module. Fitted with a 5 m long, 5 mm diameter cable terminated with an SMA male connector.

IT500WEB item no. 80IT2710111



Interface WEB

The IT500WEB interface is an optional device with integrated web server for connecting MP500 series control units to the LAN through an ADSL modem router.

- Allows users, from any device with web browser access (PC, tablet, smartphone), to use the My Elkron Home app to securely access typical intrusion alarm functions such as ON/OFF arming, input/sector configuration, bypasses and various parameter settings
- Supports up to 8 IP cameras freely associated with one or more control unit inputs. Images captured by the cameras can be viewed and managed remotely from mobile devices such as PCs, smartphones or tablets simply by connecting to and registering on the www.myelkronhome.com portal
- Allows the installer, from a web-enabled PC and using SW Hi Connect (version 3.50 or later), to remotely manage MP500 series control units
- Invio push notifications

MP500 SYSTEM

COMMUNICATION DEVICES

ETHERNET INTERFACE item no. 80IT1200111

Interface connectable to the control unit

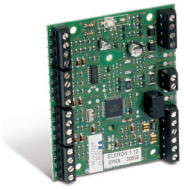


- Designed for connection to a LAN or ADSL modem (not supplied).
- System management through the HI-CONNECT application, version 3.70 and later

WIRED EXPANSIONS

EP508 item no. 80MP7K00211

Parallel expansion connectable to the system BUS, to which conventional devices can be connected



- 8 inputs programmable + 1 input dedicato tamper 24H
- 3 outputs (1 relay + 2 electrical) programmable
- 1 input of tamper
- EN50131 Grade 3 certification

AS500/RPT item no. 80PS5500111

Supplementary power supply unit with bus signal repeater and expansion board



The supplementary power supply unit is an optional device for the MP500 system. Its electronic board integrates an EP508 expansion connected directly to the control unit BUS, a Repeater module to extend and isolate the control unit BUS section, and an additional power supply unit capable of powering devices connected to the system.

- 8 inputs programmable
- 3 outputs programmable (1 relay 2 OC)
- 2 outputs for alimentazioni ausiliarie
- 1 output power supply for devices self-powered
- Connettori for battery and power supply unit
- Button and led for learning
- Enclosure metallico
- Battery can be housed: 12Vdc 17Ah
- Power supply unit switching: 3,4 To
- Dimensions (H x L x P): 350 x 490 x 145 mm

MP500 SYSTEM

WIRELESS EXPANSIONS

ER600 item no. 80WL2410111

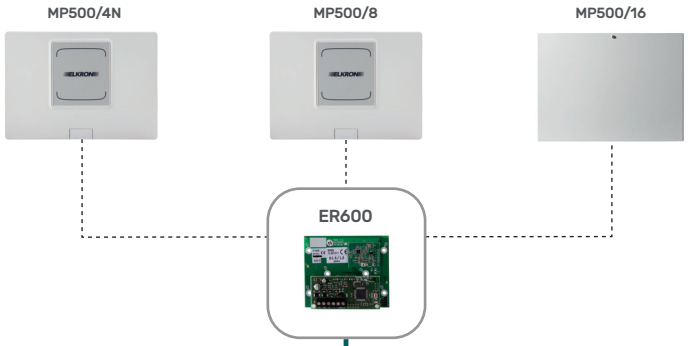
Radio expansion on Bus for MP500 system



- Protocollo of two-way wireless communication in band narrow FSK ultra fast
- Expansion operating voltage: 9 Vdc to 15 Vdc
- Rated current consumption at 12 Vdc: 35 mA
- Maximum peak current consumption: 45 mA
- Maximum overall length of Control Unit Bus serial line - radio expansion: 400 m
- Type of communication: serial protocollo Elkron
- Communication technology: two-way radio frequency
- Radio communication mode: FSK
- Frequency: 868.6375 MHz
- Number of radio channels: 1
- Radio range: 2 km (in free space, in the absence of reflection and/or attenuation)
- Operating temperature dichiarata: -5 °C ÷ +40 °C
- Relative humidity of operation: 95 % to +40 °C
- Designed for mounting:
  - •inside control units in plastic cabinet
  - inside optional CP/EXP enclosure, protected against opening and removal
- Number max of peripheral devices gestite: 16 detectors /2 sounders/ 8 remote controls/ 8 keypads

MP500 SYSTEM

WIRELESS EXPANSIONS



RF WIRELESS DEVICES


KEYPAD DUAL-TECHNOLOGY CURTAIN OUTDOOR DETECTOR


REMOTE CONTROL


SOUNDER OUTDOOR CONTACT MAGNETIC WITH INPUTS




DUAL-TECHNOLOGY DETECTOR FOR CENTRE-WINDOW INSTALLATION




CONTACT MAGNETIC SLIM


CONTACT WITH SHOCK SENSOR


CURTAIN-EFFECT INFRARED DETECTOR


INFRARED DETECTOR


PET-IMMUNE INFRARED DETECTOR


DUAL-TECHNOLOGY DETECTOR


OUTDOOR DETECTOR


BARRIER MINI DETECTOR


BARRIER TRIPLE-TECHNOLOGY OUTDOOR

MP500 SYSTEM

ACCESSORIES

HI-CONNECT item no. 80SW2400111

Software for configuring ELKRON control units



Simple to use and easy to understand; it runs in the Windows™ environment. The software allows customers, systems and operators to be registered and catalogued.

It can also be used to remotely program alarm control units, acquire the programming already stored in the control unit, check it, modify it if necessary and then upload it back to the control unit (up/downloading), acquire the system event log, and monitor in real time the system status, input and output status, batteries and fuses. An integrated technical alarm reception function is provided (modem required). The software is multi-line, meaning that it can manage several remote connections simultaneously.

From version 2.70 onwards, the IT500WEB interface can also be managed together with the control unit.

Aggiornamenti scaricabili from sito internet www.elkron.it.

IT USB/KEY item no. 80MP5K10111

Interface USB Standard



- The IT-USB/KEY interface allows an MP500/4N - MP500/8 - MP500/16 control unit to be connected to a computer for programming and/or to a USB flash drive (Pen Drive) for saving and restoring configuration parameters and system data

CABLE FOR KP item no. 80CV3010111

Cable for connection of the "Service" keypad







WIRELESS SYSTEMS

Elkron wireless systems make it possible to protect and control homes, offices and shops thanks to a sophisticated technology platform and a complete range of high-performance sensors and peripheral devices. By integrating home automation and video surveillance functions, they provide complete control of the property to be protected.

EGON SYSTEM

MAIN SYSTEM FEATURES

Egon is Elkron's wireless home security system which, in addition to intrusion alarm and video surveillance functions, also integrates home automation. A single control unit meets the main technological requirements of residential and small commercial applications.

✔More benefits for the installer: the control unit is programmed simply using a PC, a browser and a network cable, and can also be fully controlled from a smartphone or tablet. Thanks to its considerable RF range of 2 km in free field*, it can also be used in large environments and complex architectures. If authorised by the user, the installer can also temporarily access the system through the dedicated Elkron Egon Professional app.

✔More benefits for the user: the Egon system provides the user with the Elkron Egon app and a web portal for monitoring the system through a simple and intuitive interface. All system functions are available with a click or tap: total and partial arming, disarming, event log, viewing images from sensors equipped with photo/video cameras, time programming and checking the status of every zone and sensor. In addition, through a range of devices dedicated to Home Automation, the Elkron Egon app can be used to adjust home temperature, raise and lower shutters or control lights. Rules and scenarios make home management easier.

✔Notifications and video verification in the event of an alarm: the integrated image capture units in the sensors make it possible to detect the presence of an intruder and record video clips and still images in the event of an alarm. This makes it possible to check immediately what is happening while away from home and send the appropriate commands to the control unit.

✔Real-time video control: the system can manage dedicated high-definition IP/Wi-Fi cameras installed on the same LAN as the control unit. Using the app, users can see and hear what is happening in the rooms and capture a photo or video.

✔Video functions integrated with intrusion alarm and home automation functions: the camera associated with an alarm event can record a video that can be viewed through the app. The camera's Motion function can become a command within a Home Automation scenario.

*In the absence of reflections and/or attenuation

ELKRON EGON PROFESSIONAL

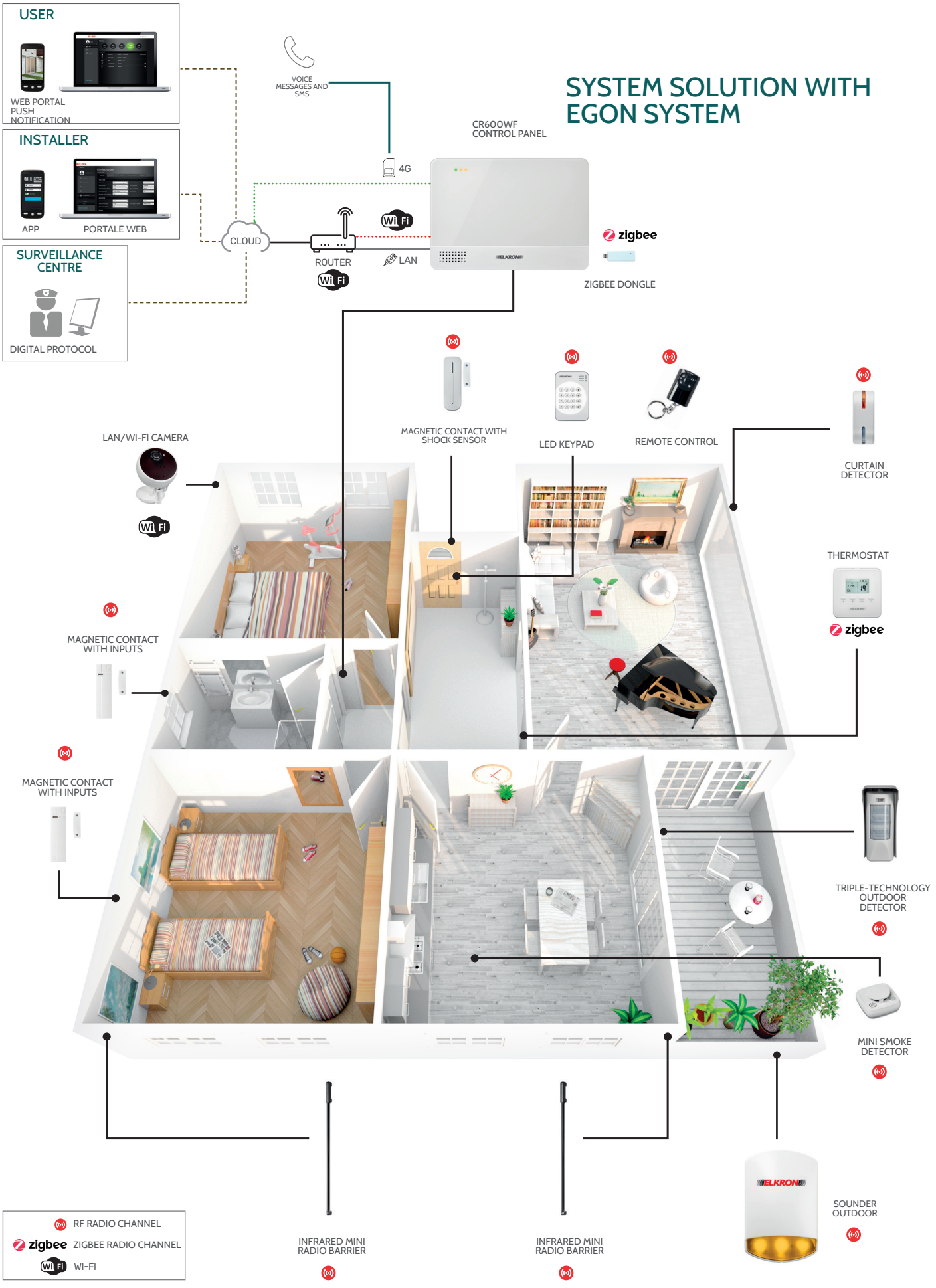
ELKRON EGON

Scarica su App Store

DISPONIBILE SU Google Play



SYSTEM SOLUTION WITH EGON SYSTEM



EGON SYSTEM

CONTROL UNIT

CR600WF item no. 80WL6000113

Control panel IP/Wi-Fi /4G

Two-way 868 MHz wireless control unit with dual IP and 4G communication and integrated Wi-Fi, complete with power supply and backup battery. An ABS body with glossy white front, compact dimensions and great attention to detail: its elegant styling and small size allow the new Egon control unit to be installed in any room of the home. It offers not only good looks but also high performance: the real strength of the Egon control unit is its connectivity to the outside world through a native IP connection with 4G backup.



POWER SUPPLY	230VCA /9V 1A Power supply unit indoor + battery rechargeable 4,8V Ni-Mh, 1100 mAh
BATTERY LIFE	15 hours (average, depending on conditions of use)
TRANSMISSION CARRIERS	LAN + Wi-Fi + 4G automatic backup
RADIO COMMUNICATION TYPE	RF of base = 868 MHZ Option ZIGBEE = 2,4GHZ (1.2HA) entrambi bidirezionali
RADIO RANGE	RF = 2 Km Zigbee = in addition to 200 m (in aria libera)
INTEGRATED MICROPHONE/LOUDSPEAKER	YES
SOUNDER INTEGRATED	SI, 95 dB To 1m
N. MAX OF DEVICES	80
MAX. NO. OF DETECTORS WITH CAMERA	6
PARTITIONING	YES, 3 ZONES + TOTAL
N. MAX USERS	20
MAX. NO. OF LOGGED EVENTS	200
ALARM TRANSMISSION TYPE	· VOICE call · CID/SIA over TCP/IP via Ethernet or GPRS · SMS via GSM · Video and images via Email/FTP over IP/4G · Push notifications
FUNCTIONS	INTRUSIONE - FIRE - VIDEO SURVEILLANCE / VIDEOVERIFICA - HOME AUTOMATION
VIDEO VERIFICATION	SI (detectors with camera indoor and outdoor)
VIDEO CONTROL REAL TIME	SI (camera IP WIFI from 2 MPixel)
CONTROL LOCAL USER	Remote controls/Keypads Voice assistants
CONTROL REMOTE USER	Elkron EGON APP (iOS and Android) EGON web portal Voice assistants
INSTALLER REMOTE CONTROL	APP Elkron EGON PROFESSIONAL (iOS and Android) Portale web EGON PROFESSIONAL
PROGRAMMING	WEB pages from a PC on the same LAN as the control unit
MENU LANGUAGES	Italian, French, English, Tedesco
SUPERVISION	YES
CONTROL JAMMIMG	YES
COMPLIANCE	EN50131 Rating 2 Class II
Dimensions (L x H x P)	260 x 176 x 30 mm

EGON SYSTEM

WIRELESS DEVICES

The control unit can manage a wide range of indoor and outdoor wireless devices, meeting the vast majority of intrusion alarm applications. It also manages certified smoke and temperature detectors and detectors with integrated cameras for video verification.



RF WIRELESS DEVICES


KEYPAD DUAL-TECHNOLOGY CURTAIN OUTDOOR DETECTOR


REMOTE CONTROL


SOUNDER OUTDOOR CONTACT MAGNETIC WITH INPUTS




DUAL-TECHNOLOGY DETECTOR FOR CENTRE-WINDOW INSTALLATION




CONTACT MAGNETIC SLIM


CONTACT WITH SHOCK SENSOR


INFRARED DETECTOR WITH CAMERA


CURTAIN-EFFECT INFRARED DETECTOR


INFRARED DETECTOR


PET-IMMUNE INFRARED DETECTOR


DUAL-TECHNOLOGY DETECTOR


OUTDOOR DETECTOR SMOKE AND TEMPERATURE DETECTOR






BARRIER MINI BARRIER TRIPLE-TECHNOLOGY OUTDOOR DETECTOR

KIT SOLUTION

KIT CR600WF item no. 80KT3000113

The kit includes: 1 CR600WF control unit, 1 IR600 passive infrared detector, 1 DC600 magnetic contact, 1 RC600 remote control.



EGON SYSTEM

ZIGBEE DEVICES

Using an optional USB dongle, the control unit can extend control to a range of Home Automation and video verification devices.

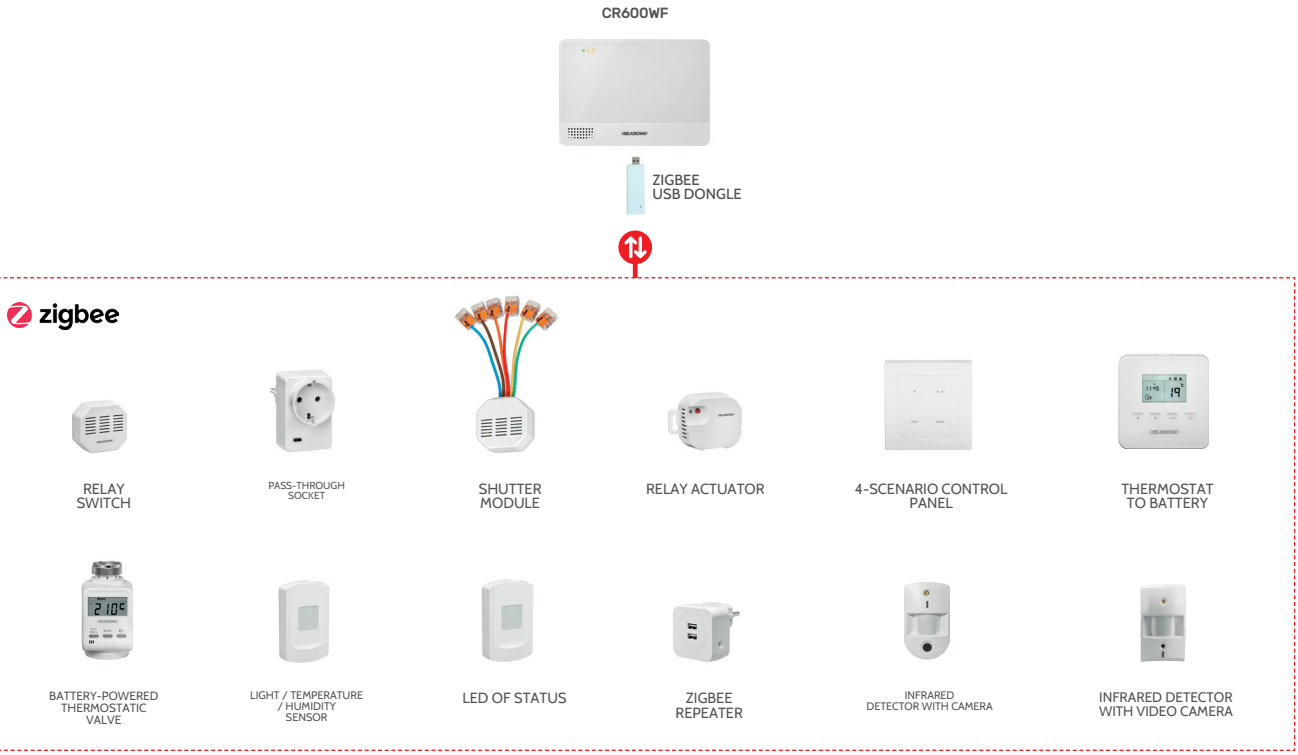
USB/ZB item no. 80WL6310113

ZigBee USB dongle

Option for the CR600WF control unit, enabling management of ZigBee devices.

- ✓ USB ZigBee 2,4Ghz
- ✓ USB 2.0
- ✓ Transmission power 20 dBm





WIRELESS DEVICES

DEVICES COMPATIBLE WITH MEDEA, MP500 AND EGON SYSTEMS

RF WIRELESS DEVICES

CONTROL DEVICES

KP600 item no. 80KP5500113
LED keypad



- Power supply: 1 battery lithium EL 123AP
- Battery life: 5 years (typical value, may vary depending on use)
- Frequency two-way wireless: 868.6375 MHz
- Temperature operating: from -10 °C to +45 °C
- Dimensions (L x H x P): 80 x 116 x 20,5 mm
- Weight: 100 g
- Compliant with EN50131 grade 2 class II

RC600 item no. 80TX4400113



- Power supply: 1 battery lithium CR2032 3V
- Battery life: 3 years (typical value, may vary depending on use)
- N. 4 buttons programmable
- Frequency two-way wireless: 868.6375 MHz
- Temperature operating: from -10 °C to +45 °C
- Dimensions (L x H x P): 50 x 33 x 14,5 mm
- Weight: 60 g
- Compliant with EN50131 grade 2 class II

MAGNETIC CONTACTS

DC600 item no. 80MM1E00113
White micro-contact



- Power supply: 1 battery lithium 3V type CR2
- Battery life: 5 years (typical value, may vary depending on use)
- Frequency two-way wireless: 868.6375 MHz
- Temperature operating: from -10 °C to +45 °C
- Dimensions (H x L x P): 85 x 25 x 20 mm
- Weight: 100 g
- Compliant EN50131 grade 2 class II

DC600/BR item no. 80MM1F00113
Brown micro-contact

Same features as DC600 but in brown



WIRELESS DEVICES

DEVICES COMPATIBLE WITH MEDEA, MP500 AND EGON SYSTEMS

MAGNETIC CONTACTS

DC6002I item no. 80MM1G00113
Micro-contact with two auxiliary inputs



- Power supply: 1 battery lithium 3V type CR2
- Battery life: 5 years (typical value, may vary depending on use)
- N.2 inputs auxiliary programmable
- Frequency two-way wireless: 868.6375 MHz
- Temperature operating: from -10 °C to +45 °C
- Dimensions (H x L x P): 107 x 32 x 22 mm
- Weight: 100 g
- Compliant with EN50131 grade 2 class II

DC6002I/BR item no. 80MM1H00113
Brown micro-contact with two auxiliary inputs

Same features as DC6002I but in brown

DC600S item no. 80MM1L00113
Magnetic micro-contact with shock or vibration detector



- Power supply: 1 x 3V CR123A lithium battery
- Battery life: 5 years (typical value, may vary depending on use)
- Frequency two-way wireless: 868.6375 MHz
- Sensitivity adjustment
- Temperature operating: from -10 °C to +45 °C
- Dimensions (L x H x P): 30 x 85 x 20 mm
- Weight: 50 g
- Compliant EN50131 grade 2 class II

DC600S/BR item no. 80MM1M00113
Brown magnetic micro-contact with shock or vibration detector



Same features as DC600S but in brown

WIRELESS DEVICES

DEVICES COMPATIBLE WITH MEDEA, MP500 AND EGON SYSTEMS

INDOOR DETECTORS

IR600 item no. 80IR2E00113
Indoor infrared detector



- Power supply: 1 battery CR123A 3V
- Battery life: 5 years (typical value, may vary depending on use)
- Frequency two-way wireless: 868.6375 MHz
- Infrared range: max. 12 m with 110° angle
- Temperature operating: -10 °C ÷ +45 °C
- Dimensions (L x H x P): 53,2 x 67 x 89,2 mm
- Weight: 300 g
- Compliant EN50131 grade 2 class II

IRP600 item no. 80IR5D00113
Indoor infrared detector with Pet Immunity function



- Power supply: 1 battery CR123A 3V
- Battery life: 5 years (typical value, may vary depending on use)
- Frequency two-way wireless: 868.6375 MHz
- Infrared range: max. 12 m with 110° angle
- Pet discrimination: up to 27 kg within 7 m
- Temperature operating: -10 °C ÷ +45 °C
- Dimensions (L x H x P): 53,2 x 67 x 89,2 mm
- Weight: 300 g
- Compliant with EN50131 grade 2 class II

IRT600 item no. 80IR1F00113
Curtain-effect infrared detector



- Power supply: 1 battery CR123A 3V
- Battery life: 3 years (typical value, may vary depending on use)
- Frequency two-way wireless: 868.6375 MHz
- Infrared range: max. 8 m with 110° angle
- Use: indoors
- Temperature operating: -10 °C ÷ +45 °C
- Dimensions (L x H x P): 76 x 56 x 43 mm
- Weight: 300 g
- Compliant with EN50131 grade 2 class II

WIRELESS DEVICES

DEVICES COMPATIBLE WITH MEDEA, MP500 AND EGON SYSTEMS

INDOOR DETECTORS

IM600 item no. 80IM3900113

Indoor dual-technology detector



- Power supply: 1 battery lithium CR123A 3V
- Battery life: 4 years (typical value, may vary depending on use) •Two-way wireless frequency: 868.6375 MHz •Microwave frequency: 10.525 GHz •Detection range: max. 12 m with 110° angle •Operating temperature: -10 °C to +45 °C
-
-
- Dimensions (L x H x P): 63,3 x 112,5 x 62 mm
- Weight: 100 g
- Compliant with EN50131 grade 2 class II

INDOOR DETECTORS WITH VIDEO VERIFICATION

IR600FC/N item no. 80TC2S00133

Indoor infrared detector with camera



- 2.4 GHz ZigBee communication
- Random signal supervision for integrity monitoring
- Three image processing options in the event of an alarm: 3 maximum-quality images (640x480 pixels), 6 high-quality images (320x240 pixels)
- IR detection range and angle: 1~12 m/90°
- Night illuminator up to 5 metres
- Feedback LED integrated

IR600VC item no. 80TC1S00133

Indoor infrared detector with video camera



- 2.4 GHz ZigBee communication
- Random signal supervision for integrity monitoring
- In the event of an alarm, sends a 10-second colour video.
- Detection range and angle: 1~10 m/90°
- Horizontal camera angle: 60°
- Night illuminator up to 5 metres
- Feedback LED integrated

WIRELESS DEVICES

DEVICES COMPATIBLE WITH MEDEA, MP500 AND EGON SYSTEMS

OUTDOOR DETECTORS

EIR600 item no. 80IR2F00113

Outdoor infrared detector with Pet Immunity function



- Power supply: 2 x 3.6 V AA lithium batteries
- Battery life: 3 years (typical value, may vary depending on use)
- Two-way wireless frequency: 868.6375 MHz
- Operating temperature: -10 °C to +45 °C
- Dimensions (W x H x D): 68 x 148 x 50 mm
- Protection rating: IP66
- Weight: 400 g
- Compliant with EN50131 grade 2 class II

TTR619AM item no. 80IM5000113

Outdoor detector with Pet Immunity and Antimasking



- Triple detection logic: 1 + 2 independent PIRs
- Power supply 1 battery CR123A
- Battery life: 4 years (typical value, may vary depending on use)
- Frequency two-way wireless: 868.6375 MHz
- Height installation 0,8-1,2 m
- Range and coverage angle: adjustable from 3 to 12 m over 90°
- Frequency MW: 10,525GHz
- Discrimination animals pets
- Anti-masking to LED IR active
- Anti-approach from analysis MW
- Digital temperature compensation
- Protection against sunlight
- High-intensity UV filter
- Enclosure in polycarbonate
- Optical sealed
- Dimensions (H x L x P): 185 x 85 x 80 mm
- Rating of Protection IP54
- Compliant EN50131 grade 2 class III

SP 19/20 item no. 80SP2E00113

Corner-mounting bracket for TT19AM, TT20AM and TTR619AM triple-technology detectors

LT19/20 item no. 80KT3A00113

Shutters lente for detectors to triple technology TT19AM, TT20AM and TTR619AM

WIRELESS DEVICES

DEVICES COMPATIBLE WITH MEDEA, MP500 AND EGON SYSTEMS

OUTDOOR DETECTORS

DT600 item no. 80IM4100113
Protected outdoor dual-technology curtain detector



- Power supply: 1 battery lithium 3V type CR2
- Battery life: 3 years (typical value, may vary depending on use)
- Frequency two-way wireless: 868.6375 MHz
- Frequency microwave: 24 GHz
- Detection range: max. 8 m
- Temperature operating: from -10 °C to +45 °C
- Declared protection rating: IP54
- Dimensions (L x H x P): 62 x 110 x 43 mm
- Weight: 150 g
- Compliant EN50131 grade 2 class III

STAFFA 90° item no. 80SP4D00113
Bracket for DT600



- Mounting from either side (LH or RH)

SNODO item no. 80SP5D00113
Swivel for DT600

- Allows corner and ceiling mounting with orientation adjustment.

DT610 item no. 80IM4600113
Dual-technology detector for centre-window installation



- Power supply: 1 battery lithium 3V type CR2
- Battery life: 3 years (typical value, may vary depending on use)
- Frequency two-way wireless: 868.6375 MHz
- Frequency microwave: 24 GHz
- Centre-window detection range: 2.89/3 m
- Temperature operating: from -10 °C to +45 °C
- Declared protection rating: IP54
- Dimensions (L x H x P): 62 x 110 x 43 mm

DT610/BR item no. 80IM4700113
Brown dual-technology detector for centre-window installation



Same features as DT610 but in brown

WIRELESS DEVICES

DEVICES COMPATIBLE WITH MEDEA, MP500 AND EGON SYSTEMS

OUTDOOR DETECTORS

SP90°/White item no. 80SP5E00113

Bracket of colour white

The optional bracket allows wall mounting of the DT610 detector



SP90°/Brown item no. 80SP5F00113

Brown bracket

The optional bracket allows wall mounting of the DT610/BR detector

BARRIER ELR60

ELR60RT 2PH/60 item no. 80EL2900111

Pair of dual-beam barriers, 60 m range



- ✓ Power supply: battery lithium 3,6V 19Ah included
- ✓ Battery life: up to 5 years (typical value, may vary depending on use)
- ✓ Max. IR section range:
  - in outdoor 60 m
  - in indoor 150 m
- ✓ Indications trasmesse: Alarm/Tamper/Battery bassa
- ✓ Sincronizzazione visual programmable on 4 channels
- ✓ Dual-beam optics
- ✓ Multiplexed active IR (LO=950nm)
- ✓ Integrated optical/acoustic alignment system
- ✓ LED ad alta efficienza
- ✓ Adjustment angle: 180° horizontal, 20° vertical
- ✓ Adjustable response time from 50 to 500 ms
- ✓ Operating temperature: from -10 °C to +65 °C
- ✓ Protection rating IP65
- ✓ Designed for pole mounting
- ✓ Dimensions (L x H x P): 80 x 180 x 130 mm

WIRELESS DEVICES

DEVICES COMPATIBLE WITH MEDEA, MP500 AND EGON SYSTEMS

MINI BARRIERS ELR600

Common features

- Maximum outdoor range: from 0.4 to 10 metres
- Test function: selection for the barrier alignment TEST phase
- Alarm programming for beam interruption: OR type - interruption of one beam, or AND type - interruption of at least two beams
- Two-level crossing sensitivity programming
- Sincronismo: optical
- Dual-beam optics with 35 mm lenses in AND mode
- Photo devices: pulsed beams with 950 nm wavelength
- Beam arrangement: parallel
- Battery life: up to 2.5 years (typical value)
- Radio signals transmitted by RX: Alarm / Tamper / Low battery
- Optical signals transmitted by TX: Tamper / Low battery (transmitted optically from the TX column to the RX column)
- Operating temperature: from -10 °C to +65 °C
- Protection rating: IP54
- Transmitter enclosure dimensions: 156 x 35 x 41 mm with rotation system - 156 x 35 x 28 mm without rotation system

ELR600RT/10 item no. 80EL3000111
Infrared mini radio barrier

- Beam configuration: 4TX + 4RX
- Power supply: 4 + 4 batteries 3,6 V - 2,7 Ah included
- Dimensions profile: 25 mm x 25,5 mm x 1 m



ELR600RT/15 item no. 80EL3100111
Infrared mini radio barrier

- Beam configuration: 6TX + 6RX
- Power supply: 6 + 6 batteries 3,6 - 2,7 Ah included
- Dimensions profile: 25 mm x 25,5 mm x 1,5 m

ELR600RT/20 item no. 80EL3200111
Infrared mini radio barrier

- Beam configuration: 8TX + 8RX
- Power supply: 8 + 8 batteries 3,6 - 2,7 Ah included
- Dimensions profile: 25 mm x 25,5 mm x 2 m

KIT for ELR600 item no. 80SP5G00113
Spacers for rotazione ELR600RT

Optional kit for one pair of barriers, allowing rotation



WIRELESS DEVICES

DEVICES COMPATIBLE WITH MEDEA, MP500 AND EGON SYSTEMS

PROTECTION AMBIENTE

SD610 item no. 80SD9Z00123
Smoke and temperature detector



- Power supply: 3 batteries CR123A 3V
- Battery life: 10 years (typical value, may vary depending on use)
- Frequency two-way wireless: 868 MHz
- Sounder integrated: 85 dB (To) @ 3 m
- Photoelectric chamber detection
- Sonda of temperature
- Temperature operating: -10 °C ÷ +45 °C
- Dimensions (L x H x P): 105 x 105 x 41 mm
- Certified EN14604
- Not compatible with the MP500 system

AUDIBLE WARNING DEVICES

HP600 item no. 80HP8A00113
Sounder outdoor with lampeggiante



- Power supply: 4 batteries alkaline 1.5V type D
- Battery life: 5 years (typical value, may vary depending on use)
- Output sound level: 110 dB @ 1 metre
- Frequency two-way wireless: 868.6375 MHz
- Temperature operating: from -10 °C to +45 °C
- Protection rating: IP56
- Dimensions (L x H x P): 83,5 x 205 x 316,8 mm
- Weight: 1,87 kg

ZIGBEE DEVICES

DEVICES COMPATIBLE WITH MEDEA AND EGON SYSTEMS

230VAC LOAD CONTROL AND CONSUMPTION MEASUREMENT

RM600 item no. 80HA0200113

230Vac 10A switch with consumption reading



Power relay switch with ZigBee communication for controlling electrical loads (e.g. outdoor lights, household appliances...).

- Real-time consumption measurement
- Can be connected to the power cable of an electrical appliance to control switching on/off
- Function of repeater ZigBee
- Compatible with devices ZigBee of other manufacturers
- LED indicatore of status
- Button local d'learning
- Extension terminal for connection of an external switch
- Generates supervision signals at regular intervals to monitor device operation

PM600 item no. 80HA0300113

230VAC 16A controlled socket with consumption measurement



Remotely controlled socket (on/off), measures the energy consumption of the connected load and displays it in real time.

- Compatible with devices ZigBee of other manufacturers
- Button local d'learning
- Function of repeater ZigBee
- Generates supervision signals at regular intervals to monitor device operation
- Low energy consumption

ZIGBEE DEVICES

DEVICES COMPATIBLE WITH MEDEA AND EGON SYSTEMS

RELAY ACTUATORS

A600/12 item no. 80HA0500113
12/24VDC actuator



Changeover relay actuator that automates garage doors, gates, pool covers, window blinds, projection screens, etc.

- Enables wireless operation of any device controllable by a contact
- Potential-free changeover relay contact
- Power supply: 12/24V
- LED confirming correct operation of the ZigBee network connection
- Integrated antenna to optimise wireless range
- Compatible with ZigBee products from other manufacturers
- Button local d'learning
- Generates supervision signals at regular intervals to monitor device operation

A600/230 item no. 80HA0600113
230VAC actuator



Changeover relay actuator that automates garage doors, gates, pool covers, window blinds, projection screens, etc.

- Enables wireless operation of any device controllable by a contact
- Potential-free changeover relay contact
- Power supply: 230VAC
- LED confirming correct operation of the ZigBee network connection
- Integrated antenna to optimise wireless range
- Compatible with ZigBee products from other manufacturers
- Button local d'learning
- Generates supervision signals at regular intervals to monitor device operation

ZIGBEE DEVICES

DEVICES COMPATIBLE WITH MEDEA AND EGON SYSTEMS

THERMOREGULATION

TER600 item no. 80HA0800113

Thermostat to battery



- Power supply: due batteries alkaline AA 1,5V
- Battery life: 1.5 years (typical value, may vary depending on use)
- Controls temperature and maintains a comfortable environment by regulating the heating or cooling system to a preset temperature
- 4 buttons function
- Compatible with any Home Automation system using ZigBee protocol
- Compatible with heating and cooling systems powered at 12 or 24VDC
- Interface of programming semplice and intuitiva
- Manageable in remote from PC, smartphone and tablet
- Temperature display in Fahrenheit and Celsius
- Intervalli programmable in STEP from +5 °C to + 30 °C with incrementi 0,1 °C
- Temperature alarm management activated if temperature varies by +/- 2 °C
- Generates supervision signals at regular intervals to monitor device operation

VT600 item no. 80HA0900113

Battery-powered thermostatic valve



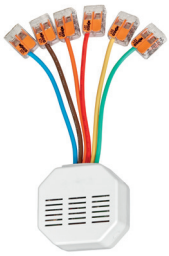
- Power supply: due batteries alkaline AA 1,5V
- Battery life: 1.5 years (typical value, may vary depending on use)
- Automatic radiator valve on/off control according to temperature settings
- LCD display showing temperature, time, mode and warnings
- Detects sudden temperature changes and adjusts settings to maintain an ideal room temperature
- Frost protection function if room temperature drops below 5 °C
- Boost function to temporarily accelerate the heating process
- Anti-calcification function with weekly valve opening/closing
- Knob for manual temperature adjustment
- Interface user semplice with 3 buttons
- Function Lockout
- Generates supervision signals at regular intervals to monitor device operation
- Compliant with connection M30 x 1.5
- Compatible with the most common systems in Italy: Caleffi (with dedicated adaptor), Honeywell, Oventrop

ZIGBEE DEVICES

DEVICES COMPATIBLE WITH MEDEA AND EGON SYSTEMS

SHUTTER CONTROL

T600 item no. 80HA0400113
Module roller shutter



Module for controlling motorised shutters, indoor and outdoor blinds, projector screens, pergola awnings or garage doors.

- Automatically controls the electric shutter motor ("up"/"down" or "stop")
- Manages two local switches for manual motor control
- Compatible with devices ZigBee of other manufacturers
- Button local d'learning
- Generates supervision signals at regular intervals to monitor device operation

ACCESSORIES

LS600 item no. 80LD0100113
LED of status



LED showing system Armed/Disarmed status and alarm memory

- Power supply: 1 battery lithium 3V CR123A
- Frequency two-way wireless: 2,4 GHz
- Temperature operating: from -10 °C to +45 °C
- Dimensions (L x H x P): 73,93 x 45,8 x 22 mm

ZB600 RPT item no. 80WL5800113
Router repeater ZigBee



Improves communication of ZigBee devices that have insufficient radio range in particular installation conditions

- Power supply input: 110 - 230V, 50/60Hz
- Power supply output: 5VD 1A n.2 USB
- Frequency two-way wireless: 2,4 GHz
- Batteries of Backup: 4 x 200mAh NiMH 1/2 AAA
- Temperature operating: from -10 °C to 45 °C
- Dimensions (L x H x P): 55 x 55 x 66 mm

ZIGBEE DEVICES

DEVICES COMPATIBLE WITH MEDEA AND EGON SYSTEMS

ACCESSORIES

S600 item no. 80HA0700113
Light/Temperature/Humidity sensor



- Regularly measures changes in light intensity
- Detects temperatures from -10 °C to 50 °C
- Detects humidity range from 0 to 100% Relative Humidity
- Periodic measurement update every 10 minutes, or for temperature variations of +/- 2 °C, or humidity variations of 10% relative humidity
- Depending on detected ambient light levels, interacts with home automation and security systems to switch lights and electrical appliances on/off
- Equipped of filtro IR and UV
- Generates supervision signals at regular intervals to monitor device operation
- Module ZigBee ad alta power
- Compatible with ZigBee products from other manufacturers
- Low energy consumption

CMD600 item no. 80HA1000113
Control 4 scenarios



- Can integrare up to to quattro scenarios preimpostati
- Two-way communication
- Compatible with all ZigBee networks and devices
- Buttons retroilluminati
- Installation rapida and facile: nessun cablaggio
- Generates supervision signals at regular intervals to monitor device operation









DETECTORS

The detector plays a key role in an alarm system. To meet the ever-growing need for protection, Elkron offers a complete range of indoor and outdoor volumetric detectors, curtain-effect models, Antimasking or Pet Immunity functions, and quality certifications for the most demanding applications.

DETECTORS

INFRARED FROM INDOOR

IR15 item no. 80IR3D00113

Digital passive infrared volumetric detector



- Power supply: 12V +/- 3V
- Current consumption max: 17 mA
- Two selectable preset Sensitivity/Range levels (H/L)
- Max. range: 15 m
- Opening angle 90°
- Lente Fresnel 18 beams on 4 piani + beam basso of proximity
- Wall or corner mounting
- Swivel joint for wall or ceiling mounting
- Dimensions (L x H x P): 60 x 60 x 45 mm
- EN50131-2-2 Grade 2 Class II certification

IR15P item no. 80IR4D00113

Digital passive infrared volumetric detector with Pet Immunity



- Selectable range, max. 12 m
- Two configurable thresholds for Pet Immunity: 12 kg or 20 kg
- Opening angle 90°
- Wall or corner mounting
- Rated power supply voltage: 12V +/- 3V
- Current consumption to 12 V: max. 17 mA
- Relay of alarm: 100mA / 24V
- Relay of tamper: 100 mA / 30V
- Weight: 65 g
- Swivel joint for wall or ceiling mounting (optional)
- Dimensions (L x H x P): 60 x 60 x 45 mm
- EN50131-2-2 Grade 2 Class II certification

DETECTORS

DUAL TECHNOLOGY FROM INDOOR

DT15 item no. 80IM3500113
Digital dual-technology volumetric detector



- Frequency MW 10,525GHz
- Selectable range, max. 15 m
- Opening angle 90° horizontal 36° verticale
- Wall or corner mounting
- Rated power supply voltage: 12V +/- 3V
- Current consumption to 12 V: max. 22 mA
- Relay of alarm: 100mA / 24V
- Relay of tamper: 100 mA / 30V
- Weight: 110 g
- Swivel joint for wall or ceiling mounting (optional)
- Dimensions (L x H x P): 107 x 61,5 x 43,5 mm
- EN50131-2-4 Grade 2 Class II certification

DT15AM item no. 80IM3600113
Digital dual-technology volumetric detector with Antimasking



- Frequency MW 10,525GHz
- Selectable range, max. 15 m
- Opening angle 90° horizontal 36 verticale
- Wall or corner mounting
- Rated power supply voltage: 12V +/- 3V
- Current consumption to 12 V: max. 22 mA
- Relay of alarm/masking: 100mA / 24V
- Relay of tamper: 100 mA / 30V
- Weight: 110 g
- Swivel joint for wall or ceiling mounting (optional)
- Dimensions (L x H x P): 107 x 61,5 x 43,5 mm
- EN50131-2-4 Grade 2 Class II certification

BRACKETS FOR DETECTORS

SNODO item no. 80SP1E00113
Swivel for IR15/DT15



- Swivel adjustable
- Wall and ceiling mounting

SP15 item no. 80SP1F00113
Swivel joint for protected cable



- Swivel adjustable
- Protected cable passage
- Wall mounting

DETECTORS

DUAL TECHNOLOGY FROM OUTDOOR PROTECTED EFFETTO TENDA

DT16 item no. 80IM3700113

Outdoor dual-technology detector with Antimasking



Suitable for protecting the perimeter of a home. Installation with the dedicated accessories (bracket or swivel joint) is recommended.

- Power supply: 12 Vdc
- Range: 8 m
- Dual technology MW & PIR
- Current consumption: 20 mA
- Microwave: 24 GHz
- Infrared lens antimasking
- Function attraversamento
- Operation in AND
- Temperature compensation
- Alarm time: 3 sec.
- Temperature of lavoro: -10 °C + 55 °C
- Tamper: 100 mA@30V
- Protection rating: IP61
- Dimensions (L x H x P): 44 x 110 x 46 mm
- EN50131-2-4 Grade 2 Class III certification

STAFFA 90° item no. 80SP4D00113

Bracket for DT16



- Mounting from either side (LH or RH)

SNODO item no. 80SP5D00113

Swivel for DT16

Allows corner and ceiling mounting with orientation adjustment.

DETECTORS

DUAL TECHNOLOGY FROM OUTDOOR PROTECTED CENTRO FINESTRA

DT18AM item no. 80IM4400113

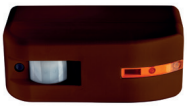
White dual-technology detector with Antimasking



- Power supply: 12 Vdc
- Max. range: 4 m
- Dual technology MW & PIR
- Current consumption: 20 mA
- Microwave: 24 GHz
- Infrared lens antimasking
- Optimised for installation between window and shutter
- Operation in AND
- Temperature compensation
- Alarm time: 3 sec.
- Temperature of lavoro: -10 °C + 55 °C
- Tamper: 100 mA@30V
- Protection rating dichiarato: IP61
- Dimensions (L x H x P) mm: 44 x 110 x 46
- Compliant EN50131 grade 2 class III

DT18AM/BR item no. 80IM4500113

Brown dual-technology detector with Antimasking for centre-window applications



Same features as DT18AM but in brown

SP90°/White item no. 80SP5E00113

Bracket of colour white



The optional bracket allows wall mounting of the DT18AM detector

SP90°/Brown item no. 80SP5F00113

Brown bracket

The optional bracket allows wall mounting of the DT18AM/BR detector

DETECTORS

DUAL TECHNOLOGY FROM OUTDOOR

TT19AM item no. 80IM4800113

Outdoor detector with Pet Immunity and Antimasking



Suitable for installation between 0.8 and 1.2 m above ground, it features Antimasking and PET Immunity. The TT19AM uses detection logic based on advanced analysis of the activation sequence of the microwave motion sensor and the two independent infrared sensors that make up the detector.

- Triple detection logic: 1 + 2 independent PIRs
- Frequency MW: 10,525GHz
- Range and coverage angle: adjustable from 3 to 12 m over 90°
- Discrimination animals pets
- Anti-masking to LED IR active
- Anti-approach from analysis MW
- Resistenze of fine line integrated
- Digital temperature compensation
- Protection against sunlight
- High-intensity UV filter
- Enclosure in polycarbonate
- Optical sealed
- Power supply and standby consumption: 12VDC +/- 3V, 18 mA
- Dimensions (H x L x P): 185 x 85 x 80 mm
- Rating of Protection IP 54
- Compliant EN 50131-2-4: Rating III

SP 19/20 item no. 80SP2E00113

Corner-mounting bracket for TT19AM, TT20AM and TTR619AM triple-technology detectors

LT19/20 item no. 80KT3A00113

Shutters lente for detectors to triple technology TT19AM, TT20AM and TTR619AM

DETECTORS

DUAL TECHNOLOGY FROM OUTDOOR



TT20AM item no. 80IM4900113

Outdoor detector with Pet Immunity and Antimasking

Suitable for installation between 2.1 and 2.3 m above ground, it features Antimasking and PET Immunity. The TT20AM uses detection logic based on advanced analysis of the activation sequence of the microwave motion sensor and the two independent infrared sensors that make up the detector.

- Triple detection logic: 1 + 2 independent PIRs
- Frequency MW: 10,525GHz
- Range and coverage angle: adjustable from 3 to 10 m over 90°
- Discrimination animals pets
- Anti-masking to LED IR active
- Anti-approach from analysis MW
- Resistenze of fine line integrated
- Digital temperature compensation
- Protection against sunlight
- High-intensity UV filter
- Enclosure in polycarbonate
- Optical sealed
- Power supply and standby consumption: 12VDC +/- 3V, 13 mA
- Dimensions (H x L x P): 185 x 85 x 80 mm
- Rating of Protection IP 54
- Class Environmental EN 50131-2-4: Class III
- Compliant EN 50131-2-2: Rating III

SP 19/20 item no. 80SP2E00113

Corner-mounting bracket for TT19AM, TT20AM and TTR619AM triple-technology detectors

LT19/20 item no. 80KT3A00113

Shutters lente for detectors to triple technology TT19AM, TT20AM and TTR619AM







DETECTORS PERIMETER

Perimeter protection is a very important security element. Elkron offers a wide range of devices, not only for residential contexts but also for industrial and high-security applications, with IMQ-certified models.

MAGNETIC CONTACTS

CONTACT MAGNETIC FOR PORTE BASCULANTI

MMB01 item no. 80MM4400213
Contact magnetic for porte basculanti

- Equipped of antitamper; Contact NC
- Remote of operation: maximum 35 mm



CONTACTS MAGNETIC FROM SUPERFICIE

MMH01 item no. 80MM4700213
Contact to triplo bilanciamento

- Enclosure in alluminio IP65; terminali to terminals
- Adatto for gates and doors
- Remote of operation: maximum 12 mm



MMH02 item no. 80MM4800213
Contact to double bilanciamento

- Enclosure in alluminio IP65; terminali to terminals
- Adatto for gates and doors
- Remote of operation: maximum 18 mm



MMH03 item no. 80MM4900113
Contact ad alta power

- Enclosure in alluminio IP65
- Terminali to terminals
- Adatto for gates and doors
- Remote of operation: maximum 50 mm



MMS01 item no. 80MM5300113
Contact in material plastic

- Terminali to terminals
- Remote of operation: maximum 15 mm



MMS01BR item no. 80MM5400113
Brown plastic contact

Same features as MMS01 but in brown plastic



MMS02 item no. 80MM5500213
Contact of power from superficie in alluminio pressofuso

- Suitable for armoured doors; cable terminals
- Remote of operation: maximum 25 mm



MAGNETIC CONTACTS

CONTACTS MAGNETIC FROM SUPERFICIE

MMS50 item no. 80MM5700113

Contact in material plastic

- Cable terminals
- Equipped of antitamper
- Remote minimum of operation: 10 mm



MMS50BR item no. 80MM5800113

Brown plastic contact

Same features as MMS50 but in brown plastic

MMS03 item no. 80MM5600213

Contact of power from superficie in alluminio pressofuso

- Adatto for porte blindate. Terminali to terminals
- Remote of operation: maximum 25 mm



MMS60 item no. 80MM6100113

Contact from superficie in alluminio pressofuso

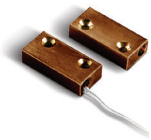
- Equipped of antitamper
- Remote minimum of operation: 10 mm



MMS60MR item no. 80MM6200113

Brown die-cast aluminium surface contact

Same features as MM60 but in brown aluminium



MAGNETIC CONTACTS

CONTACTS MAGNETIC FROM INCASSO

MMI01 item no. 80MM5000213
Contact from incasso in ABS white

- ✓ Diametro: 9 mm
- ✓Equipped of antitamper
- ✓Remote of operation: maximum 10 mm



MMI02 item no. 80MM5100213
Contact from incasso in ottone

- ✓ Diametro: 8 mm
- ✓Equipped of antitamper
- ✓Suitable for installation on aluminium and wooden frames
- ✓Remote of operation: maximum 10 mm



MMI03 item no. 80MM5200113
Contact from incasso in ottone

- ✓Diametro spacers: 10 mm and 16 mm
- ✓Equipped of antitamper
- ✓Adatto for installations on porte in ferro and blindate
- ✓Remote of operation: maximum 20 mm



Contact from incasso in ABS white

- ✓ Diametro: 9 mm
- ✓Equipped of antitamper
- ✓Remote of operation: maximum 20 mm



CONTACTS FOR ROLLER SHUT

MF01 item no. 80MM4500113
Contact to filo for roller shutters

- ✓Equipped of carrucola adjustable
- ✓Dimensions (H x L x P): 90 x 102 x 16 mm



MF02 item no. 80MM4600113
Contact to filo for roller shutters

- ✓Equipped of rulli scorrimento in inox
- ✓Dimensions (H x L x P): 90 x 102 x 16 mm



IV4Z item no. 80MP9610111
Interface board for fast signals

- ✓Equipped with 4 memorisable alarm inputs and 4 electrical outputs, one for each input. The board converts fast signals from devices such as vibration detectors, roller-shutter sensors, etc. into signals that can be managed by alarm control units

STRUCTURAL PROTECTIONS

GLASS BREAK SENSORS

GD03 item no. 80GD0300113
Glass break detector



- 4 fili alimentato
- Power supply voltage: 9 ÷ 16 Vdc
- LED indicazione and alarm Mosfet relay
- Dimensions (H x L x P): 37 x 19 x 12 mm

GD05PL item no. 80GD0400113
Glass break detector



- 2 fili without power supply
- Electronic switch (contactless), also suitable for wireless alarm systems
- Dimensions (H x L x P): 37 x 19 x 12 mm

INERTIAL SENSORS

MMZ01 item no. 80MM5900113
Inertial sensor with heavy-duty gold-plated contacts



- Screw or double-sided adhesive mounting
- Dimensions (H x L x P): 34 x 34 x 21 mm

VSD3 item no. 80VV0600113
Mechanical seismic sensor for surface mounting



- To be used together with the ESD30 electronic sensor
- Connection of up to 3 sensors to extend the detection field of the ESD30 electronic sensor

STRUCTURAL PROTECTIONS

MS04 SELECTIVE MICROPHONE

MS04 item no. 80MS0800211

Selective microphone for alarm signalling against break-in attempts on reinforced concrete structures, safes, armoured cabinets, night safes, etc.



- Microprocessor technology with fully digital sensor management
- Total immunity to external electromagnetic interference thanks to double galvanic isolation between the connection area and the signal detection and analysis unit
- Cyclic self-test on the two detection channels, with constant integrity checking of the transducer and amplification section
- Equipped with a threshold heat detector to detect attempts to attack the microphone with devices that abruptly alter the normal operating temperature
- Detection channels and modes: Drilling channel: 16 sensitivity levels, 4 integration (delay) values; Explosion channel: 4 sensitivity levels
- Display and storage of the different alarm types
- Test point for calibration and instrumental sensitivity verification
- "REMOTE" command for sensitivity level attenuation (ATM applications)
- Double cable entry: towards the control unit, fitted with cable gland, and towards any auxiliary sensor external to the microphone
- Provision for housing an "internal exciter" (optional) for operational testing
- Management of an "external exciter" (optional) for operational tests on large surfaces
- Rated power supply voltage: 12 Vdc
- Min. and max. operating voltage: 9 to 15 Vdc
- Current consumption: 25 mA typ to 12 Vdc 30 mA max
- Operating temperature certified: +5 °C ÷ +40°
- Manufacturer-declared operating temperature: -10 °C to +70 °C
- Temperature of intervento tamper attacchi termici: -5 °C ÷ +60 °C
- Automatic cyclic self-test every 5 minutes
- Guaranteed performance level: III° (with MS04IT + MS04ET), II° (with internal MS04IT exciter), I° (standard microphone)
- Protection rating certified IP30 (CEI 70-1)
- Manufacturer-declared protection rating: IP54
- Opto alarm output time: approx. 4 s
- Thermal gradient detection: approx. 4 °C/min.
- Band rilevata: from 10 to 100 Khz circa
- Copertura utile: 48 mq
- Alarm output: solid-state relay
- Output tamper for opening, removal, attacchi termici
- Dimensions (L x H x P): 136 x 48 x 89 mm
- Weight: 550 g

STRUCTURAL PROTECTIONS

MS04 SELECTIVE MICROPHONE

MS04PK item no. 80MS1200211

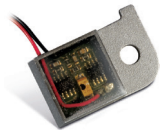
Selective microphone for alarm signalling against break-in attempts, with keyhole-cover device for protecting high-security enclosures



- ✓Stesse caratteristiche of MS04
- ✓•Can distinguish among three positions: lock covered, lock uncovered and intermediate

MS04IT item no. 80MS1010211

Perturbatore indoor for MS04



Allows operational testing of the detector (the exciter transmits through the protected structure).

MS04ET item no. 80MS1110211

External exciter for MS04 for operational testing in applications on large structures



ACCESSORIES FOR MS04 SELECTIVE MICROPHONE

SPA04 item no. 80SP6900111

Adaptor plate for mounting on structures and high-security enclosures

KT TMP item no. 80KT4700111

Mounting kit for composite structures









OUTDOOR PROTECTIONS

Intrusion detection in outdoor areas is an increasingly important security factor in both residential and industrial applications. Elkron offers a range of high-quality models using active infrared or microwave detection technologies, with different ranges.

INFRARED BARRIERS

EL20 INFRARED MINI BARRIERS



EL20 is a range of robust, safe, reliable and easy-to-install active infrared barriers. Thanks to their compact dimensions (25 x 23 mm), they fit discreetly into a wide variety of applications (for example, they can be installed between a window and a shutter or roller shutter).

SMD technology with microprocessor management. They can be installed both indoors and outdoors thanks to their highly mechanically resistant polycarbonate construction, resistant to weathering (IP65 rating) and UV rays.

Special design features compensate for thermal expansion caused by temperature variations. Maximum stability of wall-mounted columns is achieved by means of intermediate fixing points.

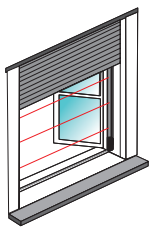
EASY INSTALLATION: supplied with pre-wired cable and requiring no special alignment procedures. Beam synchronisation is achieved automatically by optical signal (no synchronisation wire).

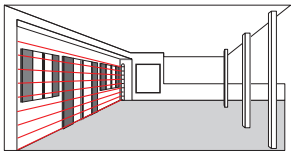
POSSIBILITY TO INSTALL MULTIPLE BARRIERS in series or parallel thanks to automatic pairing coding at first power-up.

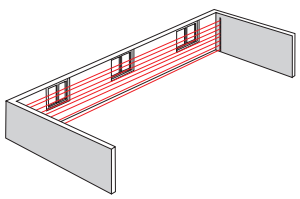
EQUIPPED WITH ANTI-REMOVAL AND ANTI-OPENING TAMPER at both ends.

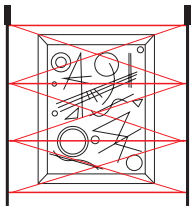
Alarm memory. 3 different operating modes: point-to-point beams, adjacent beams, crossed beams. 4 models are available for protection requirements of every size: EL20RT/05 (0.5 m - 2 beams), EL20RT/10 (1 m - 4 beams), EL20RT/15 (1.5 m - 6 beams), EL20RT/20 (2 m - 8 beams). Range: from 40 cm to 10 m outdoors and from 40 cm to 20 m indoors.

Examples of different EL20 barrier applications









INFRARED BARRIERS

BARRIERS AD INFRARED EL20

Common features

- ✓Selectable outdoor range from 40 cm to 10 m
- ✓Maximum indoor range: 20 m
- ✓Rated RX-TX power supply voltage: 12 Vdc
- ✓RX-TX min/max operating voltage: 10.5 - 15 Vdc
- ✓•Intervention time management: > 0.1 s (interruption of 2 adjacent beams), 1 s (interruption of one beam only)
- ✓•Transmitted signal characteristic: PM (pulse mode) transmission
- ✓•Contact relay of alarm: 0,1 To@24 Vdc with prot. in series R=10 Ohm
- ✓•Micro antitamper/antiremoval: 50 mA@12 Vdc
- ✓•Manufacturer-declared protection rating: IP65 - IK04
- ✓•Protection rating certified (CEI 70.1): IP34
- ✓•Guaranteed performance level: II°
- ✓•Fault indication: visual, by flashing red LED
- ✓•Operating temperature certified (CEI 79.2): -25 °C ÷ +55 °C
- ✓•Ampi certification

EL20RT/05 item no. 80EL1000211
Barrier indoor/outdoor protected



- ✓•Height columns: 0,5 m
- ✓•2 beams
- ✓•Dimensions (L x H x P): 25 x 540 x 23 mm
- ✓•Weight: 250 g

EL20RT/10 item no. 80EL1100211
Barrier indoor/outdoor protected



- ✓•Height columns: 1 m
- ✓•4 beams
- ✓•Dimensions (L x H x P): 25 x 1030 x 23 mm
- ✓•Weight: 500 g

EL20RT/15 item no. 80EL1200211
Barrier indoor/outdoor protected



- ✓•Height columns: 1,5 m
- ✓•6 beams
- ✓•Dimensions (L x H x P): 25 x 1520 x 23 mm
- ✓•Weight: 750 g

EL20RT/20 item no. 80EL1300211
Barrier indoor/outdoor protected



- ✓•Height columns: 2 m
- ✓•8 beams
- ✓•Dimensions (L x H x P): 25 x 2020 x 23 mm
- ✓•Weight: 1000 g

INFRARED BARRIERS

BARRIERS AD INFRARED EL60

The EL60 range includes active infrared beam barriers for perimeter protection of indoor and outdoor areas, including large areas.

Includes one barrier with a maximum outdoor range of 60 m and one barrier with a maximum outdoor range of 120 m. Both operate on 4 different frequencies selectable by DIP switch and feature optical alignment, test function with memory, buzzer, high-quality aspherical lenses and gasketed housings suitable for outdoor pole mounting (brackets supplied).



Common features

- Power supply: 10 - 30 Vdc
- Current consumption: 90 mA (pair)
- Detection system: modulated infrared beams
- Relay output of alarm: contact NC
- Relay output of tamper: contact NC
- Disqualification: yes, with open-collector output
- Operating temperature: from -25 °C (with heater) to +65 °C
- Protection rating: IP65
- Dimensions (L x H x P): 80 x 180 x 75 mm

EL60RT 2PH/60 item no. 80EL2600113
Barrier IR indoor/outdoor

- Rated indoor range 120 m, outdoor 60 m

EL60RT 2PH/120 item no. 80EL2700113
Barrier IR indoor/outdoor

- Rated indoor range 240 m, outdoor 120 m

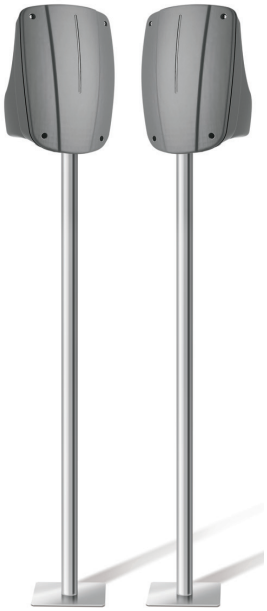
RST60 item no. 80EL2800115
Coppia of heater with thermostat

- Power supply from 10 to 30 Vdc
- Current consumption for coppia:
  - from 10 to 15 Vdc 250 mA
  - from 24 to 30 Vdc 125 mA


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MICROWAVE BARRIERS

MWA60 AND MWA120 MICROWAVE BARRIERS



MWA60 and MWA120 are active microwave barriers with maximum ranges of 60 and 120 m, designed to protect outdoor and indoor areas. The system consists of two units. The devices are built exclusively with solid-state components and finished with tropicalised resin to provide excellent weather resistance.

Lobo of protection

The radiation field is very well defined, providing a higher probability of detection. The transmitter consists of a planar microwave device that emits a narrow, directional, low-power and highly stable beam.

Channels selectable

The transmitter and receiver can be frequency-tuned using DIP switches that allow 5 different channels to be coded. This prevents interference when several pairs of barriers are installed at the same time.

Filtro selettivo

Each receiver has a special selective filter that selects only the frequency of its own channel and rejects the others.

Automatic compensation

The receiver includes special automatic regulation and signal-processing circuits that automatically compensate for changes in environmental conditions.

Signalling of disqualifica

The receiver has an output that is activated when the signal is insufficient. Its purpose is to prevent and signal misalignment caused while the system is switched off or by obstacles placed in the barriers' detection beam.



MICROWAVE BARRIERS

MWA60 AND MWA120 MICROWAVE BARRIERS



Common features

- Rated power supply voltage: 12 Vdc
- Min/max operating voltage: 11.5 to 15 Vdc
- Standby current consumption: TX 31mA / RX 70 mA
- Alarm current consumption: TX 31mA / RX 70 mA
- Transmission frequency: 10.525 GHz (+/- 20 MHz)
- Alarm relay inhibition: signal on dedicated input
- Relay of alarm: NC 500 mA 12 Vdc
- Signalling disqualifica: output electrical
- Modulazione: 5 channels selectable
- Protection tamper: microinterruttore antiopening (available kit antidisorientamento)
- Operating temperature (optional heater kit): -20 °C to +55 °C
- Protection rating casing: IP34
- Dimensions (L x H x P): 176 x 230 x 133 mm

MWA60RT item no. 80MW5500111
Barrier to microwave outdoor, range 60 m.

MWA120RT item no. 80MW5600111
Barrier to microwave outdoor, range 120 m.

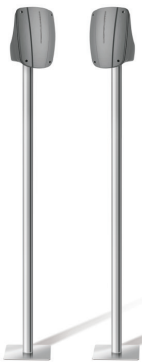
ACCESSORIES FOR MWA MICROWAVE BARRIERS

SP20/MWA item no. 80SP9410113
Bracket to muro galvanised for barriers MWA, length 26 cm.



SP50/MWA item no. 80SP9510113
Bracket to wall galvanised for barriers MWA, length 58 cm.

SP120/MWA item no. 80SP9610113
Palo to pavimento galvanised for barriers MWA, length 120 cm, diametro 40 mm.



SP130/MWA item no. 80SP9710113
Palo from interrare galvanised for barriers MWA, length 130 cm, diametro 40 mm.

RS/MWA item no. 80MW5810113
Kit thermostat and heater (1 pz for confezione)

KIT AMP/MWA item no. 80KT1C10113
Kit antirimozione anti-disorientamento (1 pz for confezione)









SOUNDERS AND TELEPHONE DIALLERS

In security and technological applications, communication of alarm events plays a fundamental role. Elkron offers a range of silent stand-alone multi-channel GSM/GPRS/4G devices capable of transmitting voice messages, SMS and DTMF or IP digital protocols in different modes, together with a wide range of audible devices that provide an important deterrent function.

OUTDOOR SOUNDERS

HPA700M item no. 80HP9A00211
Sounder outdoor in metal, with lampeggiatore



- Functions programmable:
  - Time out sound
  - Type inputs
  - Reference inputs
  - Count alarms
  - Function ponteggi
  - 8 modes of sound
  - Riporto alarms
  - Protection module management
  - Abilitazione LED fault / LED status system
- Operating voltage: 9 to 15 Vdc
- Current consumption max to rest: 7 mA
- Current consumption max in alarm: 1600 mA medi
- Maximum current consumption from control unit: 150 mA
- Sound pressure: > 110 dB (To) @ 1 m
- Frequency of operation: 1400 ÷ 1600 Hz
- Input inhibit voltage (double-balanced to positive): 5.1 to 8.7 Vdc
- Input activation voltage (double-balanced to positive): 2.3 to 5.0 Vdc
- Input current consumption: 1 mA (double-balanced); 2.2 mA (NC)
- Standby operation with internal battery: 60 hours
- Low battery threshold: 11.5 Vdc
- Flat battery threshold: 10 Vdc
- Sounder tamper contact (solid-state relay): 50 mA @ 50 Vdc; R typ = 20 ·
- Protection module tamper contact (solid-state relay): 50 mA @ 50 Vdc; R typ = 20 ·
- Class environmental: IV
- Operating temperature certified: -25 °C ÷ +70 °C
- Maximum permitted humidity: 93%
- Protection rating casing certified: IP44 / IK08
- Material cover outdoor: alluminio pressofuso
- Material flash: PC-ABS self-extinguishing
- Material grille indoor optional: sheet metal 8/10 galvanised
- Material fondo: PC-ABS self-extinguishing
- Battery allocabile: 12V - from 1,9 to 2,2 Ah
- Tamper: Antiopening and removal
- Dimensions (L x H x P): 203 x 253 x 87 mm
- Weight (without battery): 1500 g
- NFA2P certification: Grade 3

OUTDOOR SOUNDERS

HPA700P item no. 80HP7A00211
Sounder outdoor in plastic, with lampeggiatore



- ✓ Functions programmable:
  - – Time out sound
  - – Reference inputs
  - – Count alarms
  - – Function ponteggi
  - – Rilevamento power supply remote
- ✓ Operating voltage: 9 to 15 Vdc
- ✓ Current consumption max to rest: 7 mA
- ✓ Current consumption max in alarm: 1600 mA medi
- ✓ Maximum current consumption from control unit: 150 mA
- ✓ Sound pressure: › 110 dB (To) @ 1 m
- ✓ Frequency of operation: 1400 ÷ 1600 Hz
- ✓ Operating temperature certified: -25 °C ÷ +70 °C
- ✓ Maximum permitted humidity: 93%
- ✓ Protection rating casing certified: IP44 / IK07
- ✓ Material cover outdoor: PC-ABS self-extinguishing
- ✓ Material grille indoor optional: sheet metal 8/10 galvanised
- ✓ Battery allocabile: 12V - from 1,9 to 2,2 Ah
- ✓ Tamper: Antiopening/antiremoval
- ✓ Due inputs of control:
  - – AL: alarm
  - – S: status system
- ✓ Dimensions (L x H x P): 203 x 253 x 87 mm
- ✓ Weight (without battery): 1100 g
- ✓ NFA2P certification: Grade 2

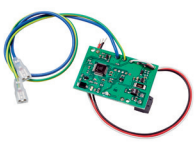
ACCESSORIES

Protection grille item no. 80HP7A10111
Griglia for sounders HPA700P and HPA700M



- ✓ Increases sounder protection

HPA700/N item no. 80HP9A10111
Module protections for sounders HPA700P and HPA700M



- ✓ Detects and stores tampering attempts with foam, drilling and thermal attacks
- ✓ Operating voltage (min - max): 9 to 15 Vdc
- ✓ Solid-state relay output: 50 mA @ 50 Vdc; R typ = 20 ·
- ✓ Current consumption: 5 mA

OUTDOOR SOUNDERS

SOUNDERS HPA800

Common features

✓Indications acoustic

- Sound pressure: >114 dbA ad 1 metro (asse principale)
- Modulazioni: 2 tipi of suono selectable
  - Time-out: 240s - 480s
- Indications diagnostiche (installation):
  Power-ON
  Conferma inputs OK and fine installation
- Service indications (selectable):
  ON (avvenuto inserimento)
  OFF (avvenuto disinserimento)

✓Indications visual

- Lampeggiante: 4+1 LED multifunzionali ad alta efficienza
- Indications diagnostiche (installation):
  Power ON Visualizza Tamper / Antischiuma
  Visualizza Input Alarm (Lockout) Conferma
  inputs OK and fine installation
- Service indications (selectable):
  ON (arming completed) ON (armed), selectable
  on dedicated LED OFF (disarming completed)
  Alarm memory Tamper / Anti-foam status

✓Alarm input: selectable polarity, selectable balancing

✓System status input: selectable polarity

✓Status (aperto / chiuso) selectable

✓Alarm cycle lockout: within 24h (max. 8 cycles); within one ON session (max. 8 cycles)

✓Cover intermedio with antischiuma: Optional

✓Power supply / battery charging: 13,8 - 14,4 VCC from control unit

✓Housing for battery: Sealed Pb 12 V 2,2 Ah

✓Output Tamper: Contact libero NC (status solido OPTo-Mos)

✓Dimensions: 215 x 270 x 90 mm

✓Weight: 1190 g

✓Enclosure material: ABS / ASA / PC

✓Operating temperature: -25 /+55 °C

✓Protection rating: IP44

✓Resistance all'impact: IK08 (5 Joule)

✓EN50131-1 (system standard): Security Grade 2

✓EN50131-4 (Norma for segnalatori of alarm): Rating of Security 2

✓EN50130-5 (Classificazione environmental): Class IV

OUTDOOR SOUNDERS

SOUNDERS HPA800

HPA800 item no. 80HP1C00111
Sounder outdoor - Colour white



HPA800-G item no. 80HP1D00111
Sounder outdoor - Colour grey metallic



HPA800-R item no. 80HP1E00111
Sounder outdoor - Colour copper antique



ACCESSORIES

GRI/HPA800 item no. 80HP1C10111
Griglia with antischiuma

- ✓Includes the active anti-foam module positioned in front of the acoustic diffuser
- ✓Secured to the base with captive screws for easy installation



INDOOR SOUNDERS

HP375M item no. 80HP1B00211

Self-powered indoor sounder with management of two differentiated sound modes



- Sound pressure: 116±1 dB(A) @ 1 m, max. current consumption 2.2 A
- Protection against battery and control-unit power supply polarity reversal
- Alarm controls and system status with NC contact
- Programmable reference to POSITIVE or NEGATIVE
- Sound block function
- Sound inhibition at first supply
- Programmable alarm count function
- Anti-opening and anti-removal protection
- Two command inputs
- System status input
- Operating voltage: 13.8 Vdc to 15 Vdc
- Standby current consumption: 3 mA @ 12 Vdc
- Frequency of operation:
  - 1700 Hz (AL2 intermittent tone)
  - 2000-3000 Hz (power tone)
- Maximum current consumption from control unit: 150 mA
- Micro-switch against opening/removal: 1 A @ 24 Vdc
- Certified operating temperature: -25 °C to +55 °C
- Maximum permitted humidity: 93%
- Environmental class: II
- Protection rating casing: IP30 / IK06
- Housing material: painted, galvanised steel
- Battery: 12 V from 2 to 2.2 Ah
- Dimensions (L x H x P): 195 x 180 x 55 mm
- Weight (without battery): 1300 g
- NFA2P certification: Grade 2

HPA100 item no. 80HP9300111

Indoor sounder with protected plastic casing



- Sound pressure: 110 dB(To) @ 1m
- Acoustic frequency: 3500 - 3700 Hz
- Operating voltage: rated 12 or 24 Vdc (10.5 to 30 Vdc)
- Current consumption: max 260 mA in alarm
- Protection against polarity reversal
- Protection antiopening
- Dimensions (L x H x P): 145 x 100 x 42 mm

INDOOR SOUNDERS

HPA100A item no. 80HP9400111
Sounder indoor self-powered



Stesse caratteristiche of HPA100 ma with:

- Standby current consumption: max 12 mA
- Batteries can be housed: 9V Alkalina or 8,4V NiMh rechargeable (non fornita)
- Selezione type battery: programmable
- Due comandi: BL1 for alarm, BL2 for signalling
- BL2 command tone: programmable, 2 levels
- Timeout: programmable 3, 6, 9 min
- Command polarity: programmable positive or negative

4G DIALLERS

CT12/4G item no. 80CT8200113
Comunicatore telephone 4G to 4 channels



The CT12/4G communicator manages 4 alarm inputs and 2 outputs, performs continuous monitoring and displays on its LCD the status of inputs and outputs, supply voltage and radio signal strength, and also manages a periodic supervision test.

- Power supply voltage: 13.8 V
- Minimum operating voltage: 10.5 V
- Standby current consumption to 13.8 V: 140mA
- Current consumption during telephone cycle at 13.8 V: 270 mA
- Operating temperature: +5 °C + 45 °C
- Speech synthesis voice transmission: 120 sec x 12 messages
- Installer code: 1
- User code / Surveillance centre code: 1
- Output activation codes: 2
- SMS messages: transmission and reception
- Numeri telephone: 16 from 24 characters
- Number telephone of test: 1 from 24 characters
- Number telephone Gestore: 1 from 24 characters
- Inputs ritardabili from 0-60 sec. 0-90 min: 4
- Input of control (lockout): 1
- Outputs commutabili from remote: 2
- Event log: 99 events
- Display: 2-line, 16-character LCD
- Keypad: 18 keys













ACCESSORIES

To complete an alarm system or meet specific installation requirements, Elkron offers a range of accessories such as lead-acid batteries and a wide selection of adapters for its key readers.

ELECTRONIC ACTIVATORS

DK21 KEY BOARD

DK21S item no. 80DK2300211

Microprocessor activation system

- The board manages up to 4 DK2000M readers with an unlimited number of keys and 1 KP100D keypad. Communication type: Elkron serial protocol. Arming zones: 3
- Supply voltage: 12 Vdc. Serial line max length: 500 m

DK2000M item no. 80DK2000111

Reader designed as standard for Bticino® Magic boxes and frames

- Elkron adaptors are required for use with other Bticino® ranges and the Gewiss®, Ave® and Vimar® ranges. 2 integrated inputs
- DK2000M/B item no. 80DK2400111 - WHITE version

DK20 item no. 80DK1700111

Digital electronic key

ADAPTORS

ADAPTORS FOR KEY READERS

DKA/I item no. 80KT2200111
Kit of 5 adaptors for Bticino® Light and Bticino International® wiring systems

- DKAB/I item no. 80KT2600111 - WHITE version



DKA/L item no. 80KT2300111
Kit of 5 adaptors for Bticino® Living wiring system

- DKAB/L item no. 80KT2700111 - WHITE version



DKA/G item no. 80KT2400111
Kit of 5 adaptors for Gewiss® Playbus wiring system

- DKAB/G item no. 80KT2800111 - WHITE version



DKA/A item no. 80KT2500111
Kit of 5 adaptors for AVE® Sistema 45 wiring system

- DKAB/A item no. 80KT2900111 - WHITE version



NOTE: For DK4000M key readers and DKZ4/4000M partition modules used with Vimar® Idea and Vimar® 8000 series, commercially available adaptors must be used: item 16544 for Vimar® Idea and item 08324 for Vimar® 8000.

DKA/VI item no. 80KT7500111
Kit of 5 adaptors for Vimar® Idea wiring system

- DKAB/VI item no. 80KT7600111 - WHITE version



DKAB/VP item no. 80KT7700111
Kit of 5 adaptors for Vimar® Plana wiring system



DKA/AXO item no. 80KT4C00111
Adaptor kit (5 pcs), BLACK colour, for Bticino® AXOLUTE wiring system

- DKAB/AXO item no. 80KT5C00111 - WHITE version

DKA/EIK item no. 80KT6C00111
Adaptor kit (5 pcs), BLACK colour, for Vimar® EIKON wiring system

- DKAB/EIK item no. 80KT7C00111 - WHITE version

DKA/LN item no. 80KT8200111
Adaptor kit (5 pcs), BLACK colour, for LIVING NOW wiring system

- DKAB/LN item no. 80KT8300111 - WHITE version



TRANSMITTERS / ALARMS

TRANSMITTERS

RX02 item no. 80RX3240143
Rolling-code wireless SAW receiver for remote activation of any device



- The 2 receiver channels can operate in IMMEDIATE, STEP-BY-STEP or TIMED mode

TX02 item no. 80TX7950143
2-key transmitter



TX02M item no. 80TX7850143
2-key mini transmitter



BUTTON

PA01-C item no. 80PL2300113
Antirobbery pushbutton, single key, internal NC contact at rest



- Resettable with plastic key
- WHITE colour version

BATTERIES

RB06 item no. 80RB0410113
Sealed rechargeable battery 12 V 7,2 Ah

RB12 item no. 80RB0110113
Sealed rechargeable battery 6 V 1,3 Ah

RB 19 item no. 80RB0310113
Sealed rechargeable battery 12 V 2,2 Ah

RB 15 item no. 80RB0810113
Sealed rechargeable battery 12 V 18 Ah

RB 24 item no. 80RB0510113
Sealed rechargeable battery 12 V 26 Ah

RB 1212 item no. 80RB1110113
Sealed rechargeable battery 12 V 12 Ah

POWER SUPPLY UNIT

AS02/S item no. 80PS3400111
1A power supply unit



•Power supply unit with supplementary switching power supply in a plastic enclosure. Space for battery up to 2 Ah. Equipped with a monitoring module for mains presence, cyclic battery testing and fuse failure.

- ✓•Electrical outputs for fault and alarm signalling
- ✓•Mains voltage: 100 Vac to 260 Vac
- ✓•Output voltage: 13.8 Vdc
- ✓•Current: 1 A
- ✓•Dimensions (H x L x P): 185 x 249 x 70 mm

AS07/S item no. 80PS3500211
1A power supply unit



•Power supply unit with supplementary switching power supply in a plastic enclosure. Space for battery up to 7 Ah. Equipped with a monitoring module for mains presence, cyclic battery testing and fuse failure.

- ✓•Electrical outputs for fault and alarm signalling
- ✓•Mains voltage: 100 Vac to 260 Vac
- ✓•Output voltage: 13.8 Vdc
- ✓•Current: 1 A
- ✓•Dimensions (H x L x P): 345 x 240 x 79 mm

AS15 item no. 80PS3200211
3.4 A power supply unit



•Power supply unit with supplementary switching power supply in a plastic enclosure. Space for battery up to 18 Ah. Equipped with a monitoring module for mains presence, cyclic battery testing and fuse failure.

- ✓•Electrical outputs for fault and alarm signalling
- ✓•Mains voltage: 100 Vac to 260 Vac
- ✓•Output voltage: 13.8 Vdc
- ✓•Current: 3.4 A
- ✓•Dimensions (H x L x P): 318 x 422 x 91 mm

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TECHNICAL ASSISTANCE SERVICE (STAC)

Elkron Technical Assistance Service (STAC) is available Monday to Friday
from 8:00 to 13:00 and from 14:00 to 17:50.

Number of telefono riservato agli installers:

(+39) 011 23 39 111

stac@elkron.it

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