



SECURITY AND HOME
AUTOMATION
PERIPHERAL DEVICES
INTEGRATED INTO THE
SYSTEM

MEDEA

ELKRON **PRO**

The key to security

MEDEA SYSTEM

MEDEA is the new multifunction hybrid intrusion system, expandable with wireless devices and featuring native LAN connectivity.

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

The product range and integration with wireless security devices and ZigBee home automation peripherals make MEDEA the ideal solution for residential applications as well as complex commercial or industrial installations.



MEDEA

SYSTEM BENEFITS

✓ Easy configuration

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

✓ Versatile programming



By accessing the Medea Control web configurator from a local PC, without installing any software, the installer has an easy and intuitive environment for complete system programming. The same access is also available remotely through the free Elkron Cloud services.

✓ Integration

MEDEA combines the traditional functions of a security system with video verification and video surveillance through the connection of IP cameras and NVRs, not only from Elkron but also from leading manufacturers on the market. The system also supports Home Automation functions through a dedicated range of ZigBee wireless devices.

✓ Certified performance



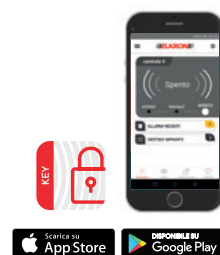
MEDEA was designed to meet the strict requirements of European Standards and tested at the laboratories of the Italian Quality Mark Institute to obtain certification to EN 50131 with security Grade 2 or 3 depending on model and configuration. Communication is likewise certified to EN 50136.

EVERYTHING AT YOUR FINGERTIPS WITH THE APP

MY ELKRON KEY FOR THE USER

The My Elkron Key app allows scenarios to be activated, areas managed and individual devices bypassed using simple, clear commands. In just a few steps, users can check sensor status, identify fault conditions or review the event log.

With My Elkron Key you can interact with cameras, both to view images following an event and through a live connection. Integration between MEDEA and home automation devices lets you manage smart home functions: operate roller shutters, adjust the temperature, and control blinds and awnings.



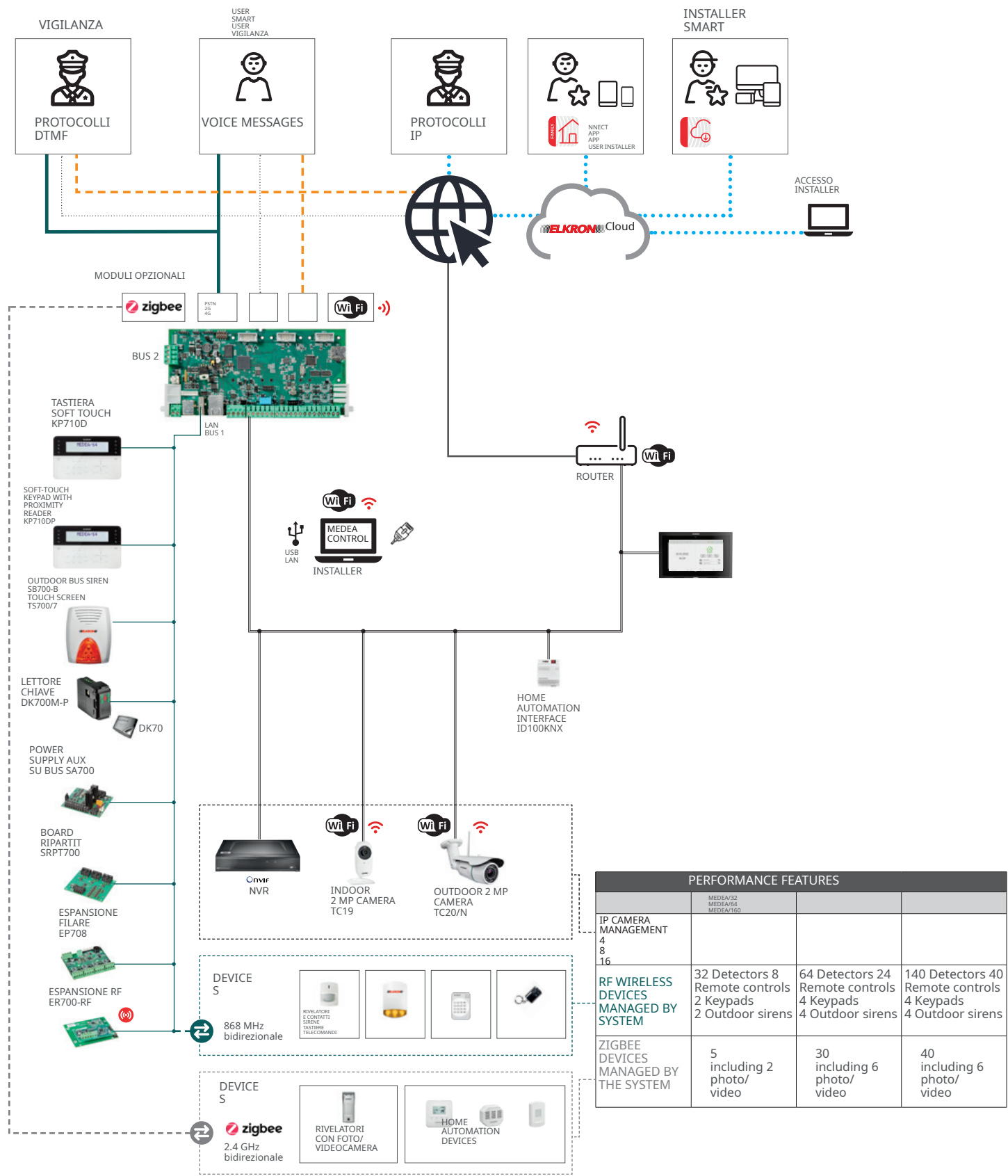
ELKRON CONNECT FOR THE INSTALLER

MEDEA allows professional installers to access the system at any time.

With the Elkron Connect app, installed systems can be managed from tablets and smartphones, key parameters monitored and, when required, the configuration adjusted.



SYSTEM ARCHITECTURE



RF WIRELESS PERIPHERALS



The MEDEA system can manage a wide range of wireless peripherals through the ER700-RF BUS expansion. The expansion uses an ultra-fast narrow-band FSK bidirectional 868 MHz radio communication protocol, enabling a range of up to 2 km in open air and an average peripheral-device battery life of up to 5 years*. These features make wireless peripherals suitable even for large environments and complex architectures where cabling options are limited.

*Consumption calculated on a system comprising 4 micro-contacts with auxiliary inputs, 2 indoor detectors and 1 outdoor siren, under normal operating conditions.

CONTROL DEVICES



REMOTE CONTROL

RC600 item no.
80TX4400113

- ✓ Four keys (total ON/OFF / 1 programmable partial / panic alarm)
- ✓ Sliding key protection cover
- ✓ Transmission and reception LED indicator
- ✓ Batteries included
- ✓ Low-battery indication
- ✓



LCD KEYPAD
KP600 item no.
80KP5500113
LCD KEYPAD
KP600 item no.
80KP5500113

- ✓ High-speed signal transmission
- ✓ Generates supervision signals at regular intervals
- ✓ to check device operation
- ✓ Numeric keys for code entry
- ✓ Four keys (total ON/OFF / 1 programmable partial / panic alarm)
- ✓ Transmission and reception LED indicator
- ✓ Long-life lithium battery included

MAGNETIC CONTACTS



MAGNETIC
CONTACT
DC600 item no.
80MM1E00113
MAGNETIC
CONTACT
DC600 item no.
80MM1E00113

- ✓ High-speed signal transmission
- ✓ Installs on door and window frames
- ✓ Generates supervision signals at regular intervals to check device operation
- ✓ High-strength magnet
- ✓ Built-in LED feedback
- ✓ Long-life lithium battery included
- ✓
- ✓

Brown version
available item no.
80MM1F00113



MAGNETIC CONTACT
WITH INPUTS
DC6002I item no.
80MM1G00113
MAGNETIC CONTACT
WITH INPUTS
DC6002I item no.
80MM1G00113

- ✓ Two wired inputs for connecting a contact and a wired micro-contact for roller shutters
- ✓ High-speed signal transmission
- ✓ Generates supervision signals at regular intervals to check device operation
- ✓ Built-in LED feedback
- ✓ Long-life lithium battery included
- ✓
- ✓

Brown version
available item no.
80MM1H00113
RF



MAGNETIC MICRO-CONTACT WITH SHOCK OR VIBRATION DETECTOR

DC600S item no.
80MM1L00113

- ✓ High-speed signal transmission
- ✓ Installs on door and window frames
- ✓ Generates supervision signals at regular intervals to check device operation
- ✓ Sensitivity adjustment
- ✓ Built-in LED feedback
- ✓ Long-life lithium battery included
- ✓

Brown version
available item no.
80MM1M00113



INDOOR DETECTORS



**INDOOR
INFRARED
DETECTOR**
IR600 item no.
80IR2E00113

- High-speed signal transmission
- ✓ Two selectable sensitivity levels
- ✓ White-light protection
- ✓ Detection range 12 metres at 110°
- ✓ Generates supervision signals at regular intervals to check device operation
- ✓ Built-in LED feedback and test button
- ✓ Insect intrusion protection
- Automatic temperature compensation sensor
- Long-life lithium battery included
- ✓
- ✓
- ✓
- ✓



**INDOOR PET-IMMUNE
INFRARED
DETECTOR**
IRP600 item no.
80IR5D00113

- High-speed signal transmission
- ✓ Two selectable sensitivity levels
- ✓ White-light protection
- ✓ Detection range 12 metres at 110°
- ✓ Generates supervision signals at regular intervals to check device operation
- ✓ Built-in LED feedback and test button
- ✓ Insect intrusion protection
- Automatic temperature compensation sensor
- Long-life lithium battery included
- ✓
- ✓
- ✓
- ✓



**CURTAIN
INFRARED
DETECTOR**
IRT600 item no.
80IR1F00113

- High-speed signal transmission
- ✓ Two selectable sensitivity levels
- ✓ White-light protection
- ✓ Detection range 8 metres at 110°
- ✓ Generates supervision signals at regular intervals to check device operation
- ✓ Insect intrusion protection
- Automatic temperature compensation sensor
- Long-life lithium battery included
- ✓



**INDOOR
DUAL-TECHNOLOGY
DETECTOR**
IM600 item no.
80IM3900113

- Combines IR and microwave technologies 10.525GHz
- ✓ High-speed signal transmission
- ✓ High RFI/EMI protection
- ✓ Self-adaptive detection range: 3 to 12 m/110°
- ✓ Generates supervision signals at regular intervals to check device operation
- Automatic temperature compensation sensor
- ✓ Wall or corner mounting
- Self-diagnostics
- ✓ Status display via three LEDs
- ✓ Long-life batteries included
- ✓
- ✓

OUTDOOR DETECTORS



**OUTDOOR
DUAL-INFRARED
PET-IMMUNE
DETECTOR**
EIR600 item no.
80IR2F00113

- Wall/corner installation, or with supplied swivel bracket
- ✓ Pet immunity sensitivity programmable on 4 levels:
 - low (75 cm/60 kg), medium (60 cm/40 kg), high (45 cm/30 kg) and very high (30 cm/20 kg)
- ✓ Generates supervision signals at regular intervals to check device operation
- ✓ Automatic adjustment according to temperature and brightness
- ✓ Built-in LED feedback
- ✓ Batteries included



**PROTECTED
OUTDOOR
DUAL-TECHNOLOGY
CURTAIN DETECTOR**
DT600 item no.
80IM4100113

- Microwave frequency: 24 GHz
 - ✓ High-speed signal transmission
 - ✓ Sensitivity adjustment
 - ✓ White-light protection
 - ✓ Detection range 8 metres
 - ✓ Generates supervision signals at regular intervals to check device operation
 - ✓ Insect intrusion protection
 - Automatic temperature compensation sensor
 - ✓ Long-life batteries included
 - ✓
 - ✓
- Bracket available item no. 80SP4D00113
and swivel bracket item no. 80SP5D00113

RILEVATORI DA ESTERNO



DUAL-TECHNOLOGY WINDOW-CENTRE DETECTOR

DT610 item no.
80IM4600113

DUAL-TECHNOLOGY
WINDOW-CENTRE
DETECTOR
DT610 item no.
80IM4600113

Brown version available item
no.
80IM4700113 White bracket
available item no.
80SP5E00113 or brown item no.
80SP5F00113

- High-speed signal transmission
- ✓ Sensitivity adjustment
- ✓ White-light protection
- ✓ Detection range 3 metres
- ✓ Roller-shutter discrimination
- ✓ Generates supervision signals at regular intervals to
- ✓ check device operation
- Insect intrusion protection
- ✓ Automatic temperature compensation sensor
- ✓ Long-life batteries included
- ✓

OUTDOOR BARRIERS



ELR60 BARRIER

ELR60RT2PH/60 item
no. 80EL2900111

- Pair of dual-beam barriers, 60 m range
- ✓ High-speed signal transmission
- ✓ Generates supervision signals at regular intervals to
- ✓ check device operation
- Outdoor range: 60 m
- ✓ Signals transmitted: Alarm / Tamper / Low battery
- ✓ Optical synchronization programmable on 4
- channels
- ✓ Automatic temperature compensation sensor
- ✓ Long-life batteries supplied
- ✓



MINI WIRELESS INFRARED BARRIER

ELR600RT/10 item
no. 80EL3000111

ELR600RT/15 item
no. 80EL3100111

ELR600RT/20 item
no. 80EL3200111

- Models - 1/1.5/2 m high
- ✓ High-speed signal transmission
- ✓ Generates supervision signals at regular
- ✓ intervals to check device operation
- Maximum range 10 metres
- ✓ Alarm programming for beam interruption:
- ✓ OR or AND of two beams
- ✓ Crossing sensitivity on two levels
- Optical synchronization
- ✓ Automatic temperature compensation sensor
- ✓ Long-life batteries included
- ✓
- ✓

KIT for ELR600 item
no. 80EL3200111

AUDIBLE WARNING DEVICES



OUTDOOR SIREN WITH FLASHING LIGHT

OUTDOOR SIREN
HP600 item no.
80HP8A00113

- Programmable timed sound cycle: 3, 5 or 10
- ✓ minutes
- ✓ Generates supervision signals at regular intervals to
- check device operation
- ✓ UV protection
- ✓ Anti-jamming protection
- ✓ System status indicator
- ✓ Batteries included

ENVIRONMENTAL PROTECTION



SMOKE AND TEMPERATURE DETECTOR

SD610
item no. 80SD9Z00123

- Photoelectric chamber detection
- ✓ Temperature probe
- ✓ Built-in siren: 85 dB (A) @ 3 m
- ✓ Batteries supplied
- ✓ Dimensions (W x H x D): 105 x 105 x 41
- ✓ mm
- ✓ EN146044 certified

WIRELESS PERIPHERALS

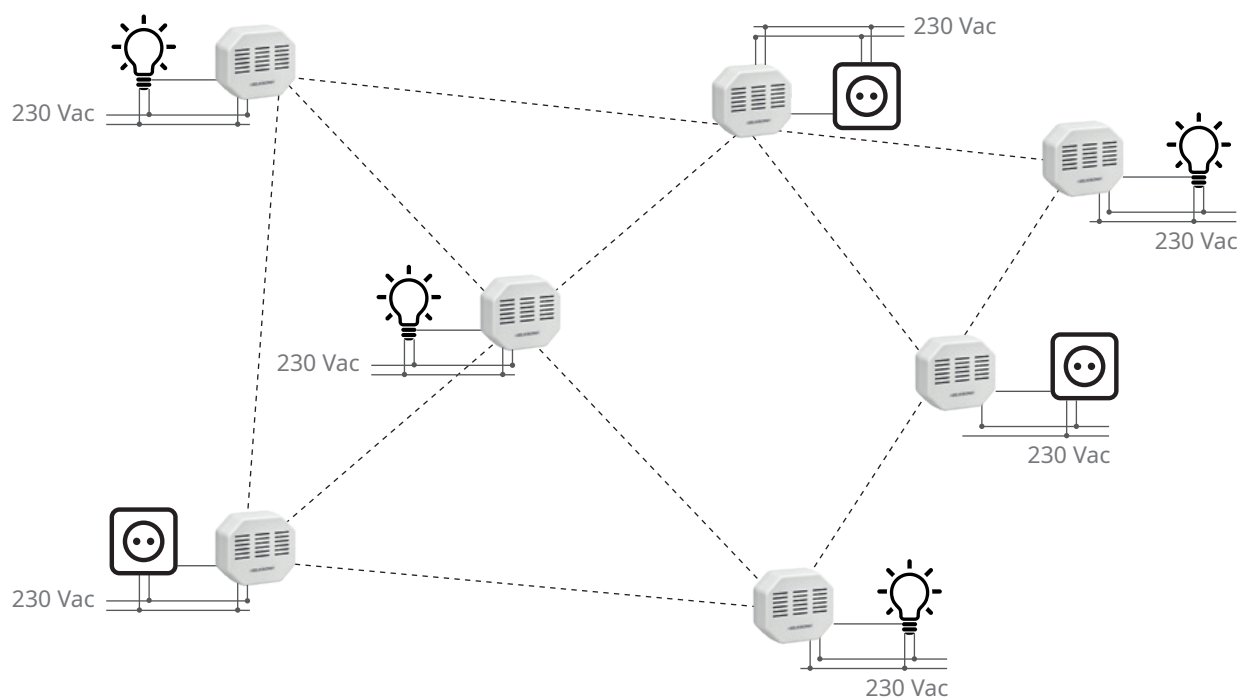
Using the ER700-ZB expansion, with 2.4 GHz bidirectional ZigBee communication, MEDEA can integrate intrusion detectors with cameras as well as a wide range of home automation devices.

Temperature control, load management, shutter motor control and other device functions are integrated into the system for a wide range of applications.

MEDEA compatibility with wireless solutions provides several benefits, including:

- ✓  Facilità di messa in servizio
- ✓  Adattabile a impianti esistenti.

Elkron Home Automation ZigBee communication is based on a mesh network, creating a wireless network in which each node acts as a repeater and extends signal coverage. Each device is always connected to others; if an obstacle degrades the signal, the device automatically seeks alternative paths to reach the control panel.



Smartphone notifications in the event of an alarm
The cameras built into the sensors can detect human presence and record video clips and still images in the event of an alarm. This makes it possible to immediately check what is happening while away from home and send the appropriate commands to the control panel.

230 VAC LOAD CONTROL AND ENERGY CONSUMPTION MEASUREMENT



230 VAC 10 A SWITCH

R600
item no. 80HA0100113

- Remote-controlled switch (on/off) for controlling electrical loads (e.g. outdoor lights, appliances...)
- Can be connected to an electrical appliance to control switching on/off
- ZigBee repeater function
- Also programmable for pulse operation
- Status indicator LED
- Local pairing button
- Terminal for connection of an external switch
- Generates supervision signals at regular intervals to check device operation
- ✓
- ✓
- ✓



230 VAC 10 A SWITCH WITH ENERGY METERING

RM600 item no.
80HA0200113

- Remote-controlled switch (on/off) for controlling electrical loads (e.g. outdoor lights, appliances...)
- Real-time energy consumption measurement
- Can be connected to an electrical appliance to control switching on/off
- ZigBee repeater function
- Status indicator LED
- Local pairing button
- Terminal for connection of an external switch
- Generates supervision signals at regular intervals to check device operation
- ✓
- ✓
- ✓



230VAC 16A SOCKET WITH ENERGY METERING

PM600 item no.
80HA0300113

- Remotely controlled switch (on/off); measures the energy consumption of the connected load and displays it in real time
- Compatible with third-party ZigBee devices
- Local pairing button
- ZigBee repeater function
- Generates supervision signals at regular intervals to check device operation
- ✓

RELAY ACTUATORS



12/24VDC
ACTUATOR
A600/12 item no.
80HA0200113



230VAC
ACTUATOR
A600/230 item no.
80HA0600113

- Changeover relay actuator for automating 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
- Operates with a power supply: - 12/24 V for model A600/12 - 230 Vac for model A600/230
- LED confirming correct ZigBee network connection
- Built-in antenna to optimize Wi-Fi range
- Compatible with third-party ZigBee products manufacturers
- Local pairing button
- Generates supervision signals at regular intervals to check device operation
- ✓
- ✓
- ✓

TEMPERATURE CONTROL



**BATTERY
THERMOSTAT
TER600** item no.
80HA0800113
**BATTERY
THERMOSTAT
TER600** item no.
80HA0800113

- Controls the temperature and maintains a comfortable environment by regulating the heating or cooling system to a preset temperature
- ✓ 4 function keys
- Compatible with heating and cooling systems
- ✓ controlled at 12 or 24 VDC
- ✓ Simple and intuitive programming interface
- Temperature display in Fahrenheit and Celsius
- ✓ Programmable range from +5 °C to +30 °C in 0.1 °C steps
- ✓ Temperature alarms activated if temperature varies by +/- 2 °C
- Generates supervision signals at regular intervals to check device operation

✓

✓



**BATTERY
RADIATOR
VALVE
VT600** item no.
80HA0900113
**BATTERY
RADIATOR
VALVE
VT600** item no.
80HA0900113

- Automatic radiator valve on/off control according to temperature settings
- ✓ LCD display for temperature, time, mode and alerts
- ✓ Detects sudden temperature drops and adjusts settings to maintain an ideal room temperature
- ✓ Frost-protection function if room temperature falls below 5°C
- Boost function to temporarily speed up heating
- ✓ Anti-scaling with weekly valve opening/closing
- ✓ Knob for manual temperature adjustment
- Simple 3-button user interface
- ✓ Lock function available
- Generates supervision signals at regular intervals to check device operation
- ✓ Compatible with M30 x 1.5 connection
- Compatible with the most common systems in Italy:
- ✓ Caleffi (with suitable adapter), Honeywell,
- ✓ Oventrop, etc.

✓

✓

SHUTTER CONTROL



**SHUTTER
MODULE
T600** item no.
80HA0400113
**SHUTTER
MODULE
T600** item no.
80HA0400113

- Module for controlling motorized roller shutters, indoor/outdoor blinds, projector screens, pergola awnings or garage doors
- Automatically controls the roller-shutter motor ("up"/"down" or "stop")
- ✓ Manages two local switches for manual motor control
- ✓ Compatible with third-party ZigBee devices
- Local pairing button
- ✓ Generates supervision signals at regular intervals to check device operation

ACCESSORIES



STATUS LED
LS600 item no.
80LD0100113
STATUS LED
LS600 item no.
80LD0100113

- Indicates armed/disarmed status and alarm memory
- Generates supervision signals at regular intervals to check device operation
- Tamper protection
- Battery included
- ✓
- ✓



ZIGBEE ROUTER/REPEATER

ZB600 RPT item
no. 80HA0200113

- ✓ Input power: 110-230V, 50/60Hz
- ✓ Output power: 5VDC 1A, 2 USB
- ✓ Built-in backup battery



LIGHT/TEMPERATURE/HUMIDITY
SENSOR
S600 item no.
80HA0700113
LIGHT/TEMPERATURE/HUMIDITY
SENSOR
S600 item no.
80HA0700113

- Regularly measures changes in light intensity
- Detects temperature from -10°C to 50°C
- ✓ Detects 0 to 100% relative humidity
- Periodic measurement update every 10 minutes,
- ✓ or for temperature changes of +/- 2 °C or
- ✓ relative-humidity changes of 10%
- Depending on detected ambient light levels, it
- ✓ interacts with home automation and security systems to switch lights and electrical appliances on/off
- Equipped with IR and UV filter
- ✓ Generates supervision signals at regular intervals to check device operation
- High-power ZigBee module
- Compatible with third-party ZigBee products manufacturers
- ✓
- ✓



4-SCENE
CONTROL
CMD600 item no.
80HA1000113
4-SCENE
CONTROL
CMD600 item no.
80HA1000113

- ✓ Can integrate up to four preset scenarios
- ✓ Bidirectional communication
- ✓ Backlit buttons
- ✓ Generates supervision signals at regular intervals
- ✓ to check device operation

VIDEO MONITORING



INDOOR PASSIVE INFRARED DETECTOR WITH CAMERA

PIR DETECTOR
WITH CAMERA
IR600FC/N item no.
80TC2S00133

- ZigBee 2.4 GHz communication
- ✓ Generates supervision signals at regular intervals to check device operation
- ✓ Three image processing options on alarm: 3 maximum-quality images (640x480 pixels), 6 high-quality images (320x240 pixels)
- ✓ IR detection range and angle: 1~12 m/90°
- IR sensitivity adjustable on two levels
- One image available on request
- Night illuminator up to 5 metres
- ✓ Built-in LED feedback
- ✓ Batteries included
- ✓
- ✓



INDOOR INFRARED DETECTOR WITH VIDEO CAMERA

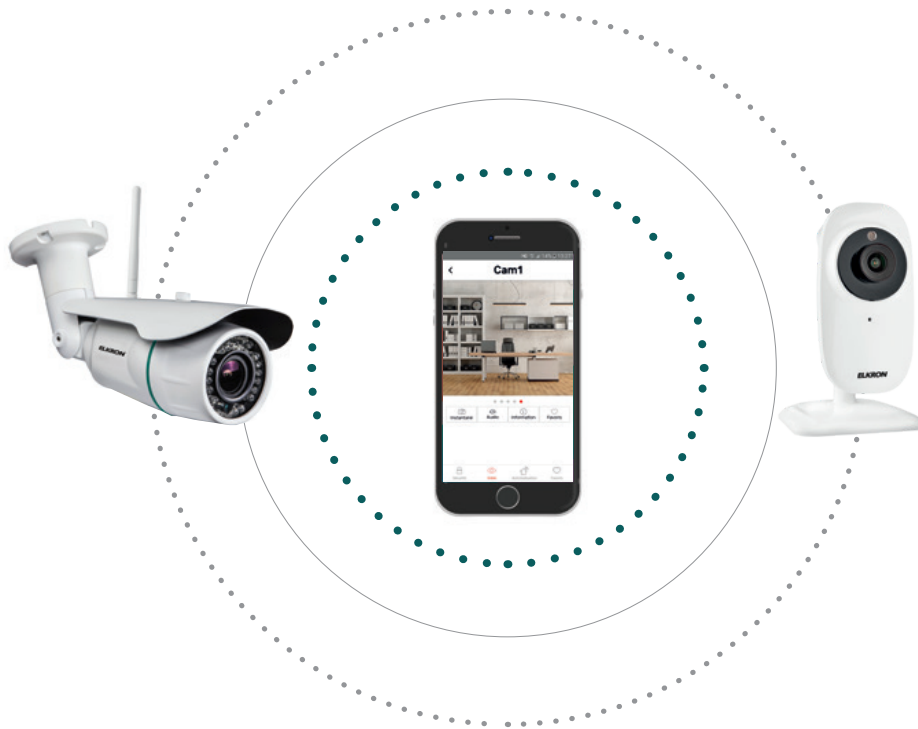
IR600VC item no.
80TC1S00133

- ZigBee 2.4 GHz communication
- ✓ Generates supervision signals at regular intervals to check device operation
- On alarm sends a 10-second colour video
- ✓ Saves and sends a video clip on request
- ✓ Detection range and angle: 1~10 m/90°
- ✓ Camera horizontal angle: 60°
- ✓ Night illuminator up to 5 metres
- ✓ Built-in LED feedback
- ✓ Batteries included
- ✓

VIDEO SURVEILLANCE PERIPHERALS

The MEDEA system can integrate 2 MP IP cameras wired to the same LAN as the control panel or connected via Wi-Fi.

By associating cameras with the alarm state of one or more detectors, the Video Verification function is obtained, while the My Elkron Key app provides access to the Live Video function.



INDOOR IP/WI-FI 2 MP CUBE CAMERA

TC19
item no. 80TC1U00133

- Fixed 2.8 mm lens, 108° HFOV
- ✓ Sony Starlight sensor for colour night vision
- ✓ 10 IR LEDs for B/W night vision
- Micro SD slot (max. 64 GB)
- ✓ H.264/H.265 video compression up to
- ✓ 1920x1080@20fps
- ✓ Power supply included

✓



OUTDOOR IP/WI-FI 2 MP POE BULLET CAMERA

TC20/N
item no. 80TC2T00133

- Integrated 2.8-12 mm motorized lens, IR CUT
- Filter and IR LEDs
- H.265+/H.264 video compression
- ✓ 1080@20fps
- IR LED night vision range 35 m
- ✓ Mechanical filter
- ✓ RESET button on cable
- ✓ IP66

✓

TC20/N CAMERA ACCESSORIES



JUNCTION BOX SP/TEL
item no. 80TC1W00133



POWER SUPPLY PS/TEL
item no. 80PS5800133

TECHNICAL SUPPORT SERVICE (STAC)

For Elkron, commitment to service is both a goal and a resource. Elkron strives to meet customers' needs through quality systems and services, with fast response times and reliable solutions, including specific customised requirements.

The Technical Support Service provides assistance for Elkron security solutions:

- ✓ Advice on hybrid, wireless and fire intrusion systems
- ✓ Technical product information
- ✓ Wiring diagrams and technical documentation
- ✓ Online support for installation and product setup
- ✓

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

Telephone number reserved for installers:

☎ (+39) 011 39 86 711

✉ stac@elkron.it



SALES ORGANISATION

To find the nearest sales office, scan the QR code with your smartphone or visit www.elkron.com

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