

# HEKLA series

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Analogue addressable fire alarm control panels with FYRA loop



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## New generation of Fyra loop-based analogue addressable fire alarm control panels

With the HEKLA series, EL.MO. has made a real breakthrough in the fire detection sector, presenting the market with a series of high-performance control panels. A key element of the whole system is the ability to create highly complex yet easily deployed structures.

Based on a modular architecture designed to grow to meet changing requirements, HEKLA control panels can work either on their own or as part of a network comprising a large number of units. As an added bonus, the system is teamed with products from the new FYRA series, EL.MO.'s line of analogue addressable devices with built-in isolator.



## More than a single panel: a whole system

HEKLA comprises a number of devices, all capable of communicating and working in synergy with each other. Each device has a specific task to ensure the HEKLA system delivers perfectly on its ultimate purpose: to protect people and property from the risk of fire. All these devices can be combined in countless ways, providing individual solutions tailored to the installation's requirements.

Flexibility and integration: two key cornerstones of the HEKLA design. Because this is not a standalone system, it can communicate with supervision, central alarm or building automation systems, whether EL.MO. or third-party systems (thanks, in part, to the Modbus protocol), all of which is achieved quickly and with very limited deployment costs.



**HEKLA.** Analogue-addressed control unit with integrated keypad for complete system management. Compatible with HL2LOOP and HL4LOOP loop modules.



**HLNODE.** Analogue-addressed control panel to expand the HEKLA system. Compatible with HL2LOOP and HL4LOOP loop modules.



**HLREPEATER.** Central repeater panel for HEKLA system. Integrated keyboard for local management.



**HLPOWER.** 2.3 A power supply that can be supervised on a loop via the optional HLPL interface.



**HL2LOOP.** Loop module for HEKLA and HLNODE control units. Two modes: 1 x 250 devices (1 loop configuration) or 2 x 125 (2 loops configuration).



**HL4LOOP.** Loop module for HEKLA and HLNODE control units. Two modes: 2 x 250 devices (2 loops configuration) or 4 x 125 (4 loops configuration).

## A system to suit any application

The whole HEKLA system can be tailored to perfectly meet any fire risk safety requirements. With its modular architecture (modular in terms of both its components and its interaction with other devices), HEKLA is the ideal solution no matter whether you have a small project or a large installation, such as industrial

facilities, hotels, infrastructure, and public buildings like hospitals or schools. By adding devices interconnected via RS422 or optic fibre, you can actually expand its capabilities to cover extensive areas. And with such a comprehensive line as FYRA to draw on, setting up the ideal system couldn't be simpler.



Industries



Credit institutions



Hotels and Serviced Apartments



Retail Chains and Outlets



Public buildings



Offices



Infrastructure



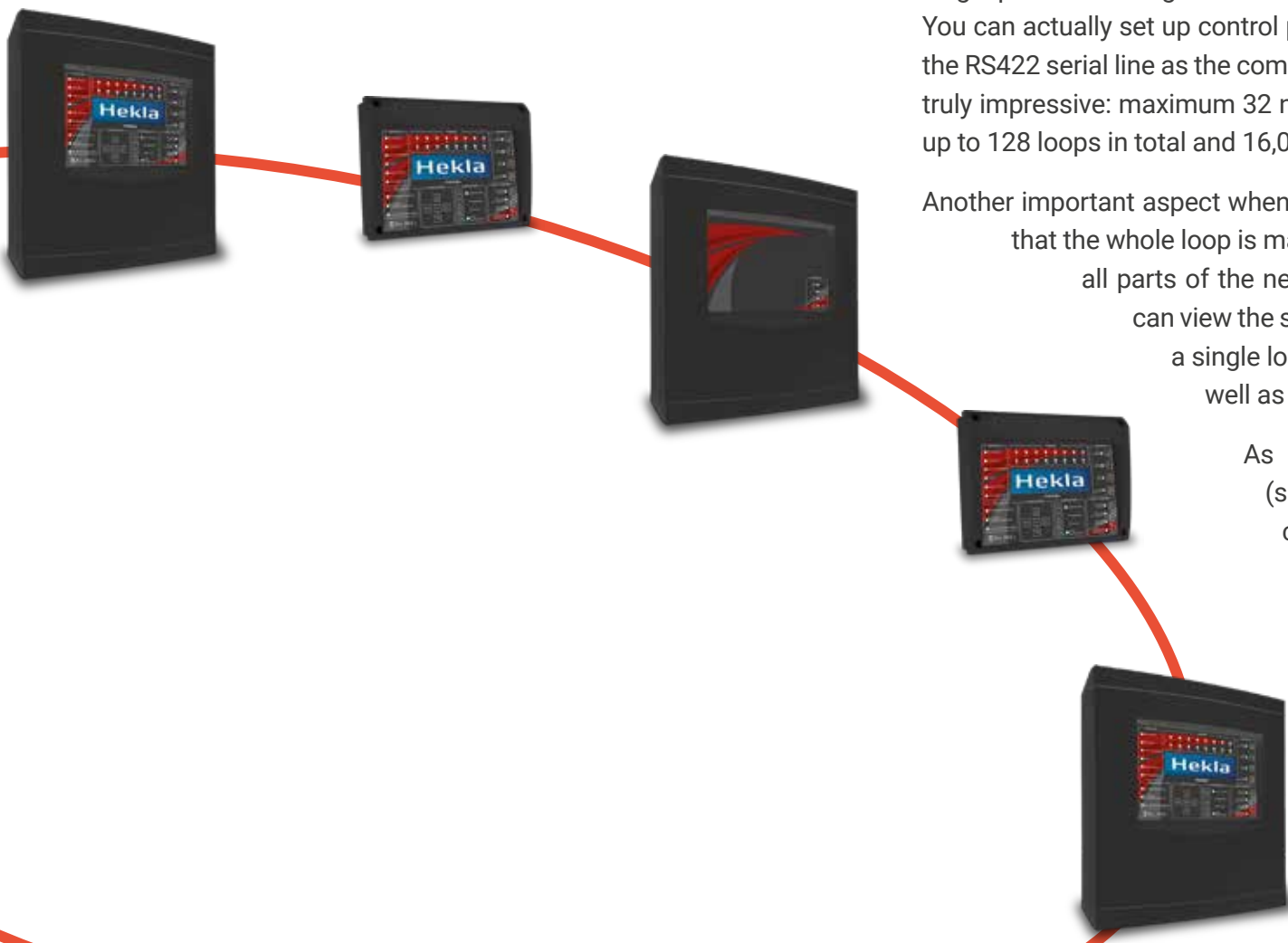
Museums

## Keeping safety in the loop

One of HEKLA's great strengths is its ability to expand and extend its technological strength to cover a wider area. Basically, HEKLA control panels can work as a single panel or - using the relevant optional communication modules - in groups. You can actually set up control panels and keypads in a loop, using optic fibre or the RS422 serial line as the communication vehicle. The resulting systems can be truly impressive: maximum 32 nodes (your choice of control panels or keypads), up to 128 loops in total and 16,000 addresses.

Another important aspect when it comes to operation and interfacing is the fact that the whole loop is managed like a single control panel. In other words, all parts of the network are seen as parts of a single system: you can view the system's status and program its operation all from a single location (whether via a control panel or keypad), as well as receive all signals, and control all outputs.

As far as communication with other systems (supervision software or central alarm systems) is concerned, all you need is a LAN connection from a single device in the network, thus reducing cabling costs.



### HEKLA's capabilities

- » Max. 32 nodes (keypads or control panels)
- » Max. 124 loops in total
- » Max. 15,500 addresses in total

## Integration and security go hand in hand



HEKLA control panels can be integrated into e-Connect, the EL.MO. security system control and supervision platform\*

Paired with an e-Vision CCTV system, it gives you access to the InstaVision video verification feature. Essentially, when there is an alarm event, you can view the images of the event in question on a smartphone\*.



For 24hr supervision of all your systems, the HEKLA system can also be integrated into GLOBALPRO, the powerful EL.MO. security system centralization software\*.

And it doesn't stop with EL.MO.! The HEKLA system can also communicate and be integrated into third-party virtual environments and platforms via the MODBUS and ESPA 4.4.4 protocol.



HEKLA-series control panels are easy to configure via the BrowserOne software. Essentially, all you need for installation is the classic EL.MO. security control unit application\*.



## Technical specifications

Model	HEKLA	HLNODE
<b>Loop capacity</b>	250 overall addresses on 1 or 2 loops (using HL2LOOP board) or 500 overall addresses on 2 or 4 loops (using HL4LOOP board)	250 overall addresses on 1 or 2 loops (using HL2LOOP board) or 500 overall addresses on 2 or 4 loops (using HL4LOOP board)
<b>Current supplied by each loop</b>	1 A	1 A
<b>Control unit network</b>	All devices managed by all control panels	All devices managed by all control panels
<b>Multimaster control unit network</b>	Yes (via RS422 serial line with HLNET optional board)	Yes (via RS422 serial line with HLNET optional board)
<b>No. of zones supported</b>	384 available zones	384 available zones
<b>I/O devices group</b>	512 available groups	512 available groups
<b>Sounder group</b>	512 available groups	512 available groups
<b>Event propagation</b>	Propagation of all the events	Propagation of all the events
<b>Maximum network extension</b>	124 loops	124 loops
<b>Protocol</b>	Management of FYRA loop devices	Management of FYRA loop devices
<b>Management of HLPOWER power supplies on loop</b>	Yes, using HLPL optional board	Yes, using HLPL optional board
<b>Programming connector</b>	USB	-
<b>Technological input management</b>	Yes	Yes
<b>Delay mode 2 (compliant with Italian legislation)</b>	Yes	Yes
<b>Single control panel event log</b>	10.000 events	10.000 events
<b>Display</b>	240 x 64 pixel backlit LCD display	-
<b>External LEDs</b>	Yes	-
<b>SETUP</b>	Via software and local keypad	By propagation from other network devices (HEKLA and HLREPEATER)
<b>Battery housing</b>	2 x 7Ah batteries	2 x 7Ah batteries
<b>Sizes</b>	W 340 x H 370 x D 145 mm	W 340 x H 370 x D 145 mm
<b>Standby current demand</b>	95 mA	95 mA
<b>Power supply unit</b>	2.3A 28Vdc power supply unit	2.3A 28Vdc power supply unit
<b>Power supply</b>	230 Vac with built-in power supply	230 Vac with built-in power supply
<b>Regulations</b>	Certified CPR 305/2011 EN54-2 and EN 54-4	Certified CPR 305/2011 EN54-2 and EN 54-4