

IRIS4 SERIES

ADDRESSABLE
FIRE ALARM
SYSTEM



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IRIS4
SERIES

Flexible solution for installations with high standards!

iRIS4 is the most versatile fire alarm panel in Teletek's portfolio. The panel offers a huge variety of functionalities, which help the installers for any type of installations – from small to large buildings. The initial purpose of iRIS4 is to be used for fire alarm warning but due to its flexible design it can be modified to carry out many other functions like control and indication applications.



1000 addressable devices in one system

iRIS4 fits up to 4 loops and has a maximum coverage of 96 zones. Up to 250 devices can be connected to every system loop, giving a total of 1000 devices for the whole system. The panel expandability makes it suitable for small, medium and even large projects.

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Up to 64 panels in network

In order to cover the needs of the large installations, our IRIS series provides networking options between the panels. Up to 64 IRIS4 panels can be connected in a network, making it ideal for the largest sites including schools, hospitals, supermarkets, critical infrastructure and major commercial and industrial facilities.

There are two options for connecting IRIS4 panels in a network – via LAN(Ethernet) or Redundant(RS485) connection.



Remote access



Each iRIS4 panel could be connected to the Teletek-Cloud. The panel has a build-in LAN card, which allows it to be connected to the Internet. Any user registered to the Cloud can add the panel easily by scanning a QR code which could be found inside the panel's menu. Teletek-Cloud offers wide range of functionalities such as:



Remote access to unlimited number of systems



Remote diagnostic of the connected systems



Geolocation of each installation



System control



Access to the event log



Complete information card of each site



Push notifications in case of any event – via TeletekPRO app



Email messages in case of any event

Hybrid Fire Alarm System

We combined the knowledge that we've gained over the years of experience in the field of wireless technologies, used by our intruder alarm solutions, with the professional approach of our fire systems, in order to create a wireless fire solution that provides the same high levels of reliability and life safety provided by a standard wired system, alongside the superior flexibility of wireless technology.

Natron TD Natron SD Natron MD Natron WE - A Natron MCP Natron MCP DE Natron WSS



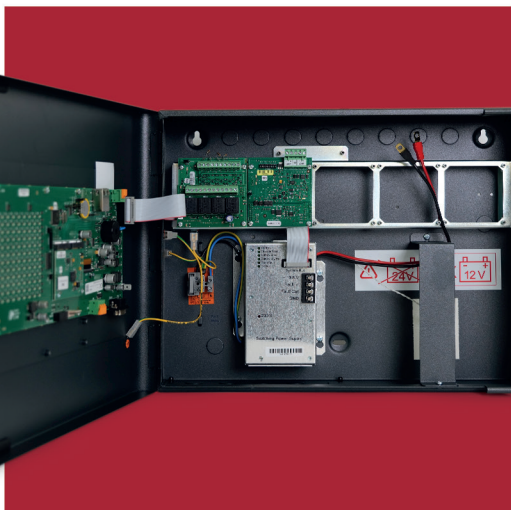
Smart control

One of the greatest benefits of iRIS4 panel, is the logical programming of cause-and-effect scenarios. This functionality builds on to the initial purpose of the panel as fire alarm system, and allows it to be used for various applications. The logical programming of inputs and outputs can be used to manage different scenarios, such as – triggering of physical outputs(relays), generate events in the system, trigger network events, take actions, etc...



Serial connection with PA/VA system

The cooperation between the voice evacuation and the fire alarm panels is crucial for the reliability of the systems. iRIS4 supports serial connection to our SPIKA voice evacuation and public announcement system. The serial link assures that the fire alarm panel will send all the information and will trigger the voice evacuation, in case of a fire condition.



Galvanic Isolated Loop boards

The panel supports up to 4 loop expansion cards, as each of them could work with up to 250 addressable devices. However, thanks to the modular structure of the iRIS4, the installer might easily add or remove loop expansion boards, depending on the installation specifics. iRIS4 loop expander cards are galvanically insulated. The isolation protects the loop line against false alarms and line communication interference.



“Clean me now” message

iRIS4 panel has an algorithm for measuring the pollution levels of the addressable smoke detectors. When the pollution of the smoke chamber of a certain detector reaches critical levels that may affect the proper work of the system, the panel will generate a special fault message – Clean me now.

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72H back-up power supply

Some markets and installations have specific requirements regarding the back-up power supply of the fire alarm systems. By using expansion boxes, iRIS4 can be configured to support additional back-up batteries in order to achieve 72 hours in standby without mains power supply.



Thermal Printer

iRIS4 is equipped with an interphase for connection with thermal printer, which is used for printing the event log of the system. IRIS Printer box can be mounted together with iRIS4 panel in order to provide a modular box structure, containing both the fire alarm panel and the printer.

RED colored panel box

iRIS4 has a red box modification, suitable for markets and installation with specific requirements regarding the color of the fire alarm panel.



Loop and battery calculator software

Planning the installation precisely, can save you a lot of time and troubles. As we mentioned, our iRIS4 supports up to 250 devices per loop. However, this number can vary depending on the type of the devices that we use. That is why we strongly suggest the installers to use our Loop and Battery Calculator application, which could be downloaded for free from our official website. The application allows the installer to calculate the system configuration, before the actual installation, in order to limit the margin for errors.



BMS Integration Protocol

iRIS4 supports MODBUS protocol for connection with BMS software. The integration is possible thanks to the build-in LAN network of the iRIS4 panel.



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Did you know...

The presence of people is the main reasons for false fire alarms. Our iRIS panels have time schedule feature, which allows us to create a day/night sensitivity mode for the addressable fire detectors in the system. The main task of this schedule is to lower the sensitivity in the period of the day with higher chance of false alarm, and respectively increase the sensitivity back to normal for the rest of the day.

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