

# iRIS8



UNLIMITED AND POWERFUL  
INTELLIGENT FIRE ALARM PANELS



approved to EN54 Parts 2 & 4



Teletek Electronics JSC is the largest Bulgarian manufacturer of a complete range of alarm and fire alarm equipment. The company was founded in 1991 and quickly established itself as a leader in the domestic and international markets.

This has been achieved thanks to the continuous commitment to the development and production of high-tech products and solutions over the last 30 years.

## To create a safer world!

We design, create, implement, optimize and maintain technologies that protect people's lives and safety.

We strive to make Teletek Electronics a leading security and fire alarm company in every country in which we operate and achieve sustainable and quality growth with a clear understanding of the responsibilities we carry to our Employees, Customers, Partners and surrounding community.

We protect people through safe, high-tech, innovative life-saving products and security alarm systems.

We are aware of the major global trends and challenges and strive to constantly evolve through increasingly innovative, high-tech and quality products.

## Our Values

**Quality** - without compromise. In everything – products, services, support, communications. We strive not only to meet the needs of our Customers, but to exceed them.

**Excellence** – We strive every day to be better than yesterday and achieve new victories, delivering the highest quality and value possible through relevant solutions.

**Team** – together we can do more! Together we are better! We help, collaborate, support, respect every member of the team regardless of age, gender, position.

**Innovation** – We strive to understand our Customers' needs and the constant changes in our industry and respond with innovations, improvements and new solutions.

**Integrity** – noble, honest, open in all our actions and communications to colleagues, Customers and surrounding community

**Simplicity** – no pretensions and fakes, only true value, both in communications and in the products we develop.

**Partnership** – we believe that building and maintaining strong relationships is the key to our success. Through collaboration, support and great teamwork, working closely with all our customers, we aim to create and enjoy strong, lasting and long-term partnership.

## Product Overview

*iRIS8 is the most powerful and sophisticated intelligent addressable fire alarm panel in the Teletek Electronics portfolio. Intelligent and technically advanced, it has enhanced integration and networking capabilities to meet the current and future needs of small to larger buildings and installations.*

The initial purpose of iRIS8 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, with direct integration into intelligent buildings through MODBUS protocol. The available configuration varies from 1 to 8 detection loops. iRIS8 can network up to 64 panels, making it ideal for the largest sites including schools, hospitals, multi-site retail/supermarkets, critical infrastructure and major commercial and industrial facilities.

iRIS8 supports two protocols for communication in order to provide a vast range of devices and cope with the most demanding projects. Combined with the modular structure and the networking features there is no project which can't be accomplished with iRIS8.

In addition to the above - the most powerful feature of iRIS8 is the constant improvement through direct customer feedback and frequent new feature updates.

### iRIS8 MODIFICATIONS:



*iRIS8 S and iRIS8 Ext.  
(4 loop extension)*



*iRIS8 B (8 loop big box)*

iRIS8 S is the basic version of the panel which allows 4 loop controller configuration in a single box (the same quantity as regular iRIS). This version has build-in feature for expansion by adding another external 4 loop extension box.

iRIS8 B is the all-in-one box version which has everything necessary for 8 loop configuration without adding another box, just the loop cards needed.

## Features

- **2000 devices per system** (No limit for detectors. Calculator use is recommended.) – Each loop controller can hold up to 250 devices which makes iRIS8 suitable for small to very large projects.
- **10 000 events LOG** - A 10,000 entry event log records all system activity. The log is held in secure memory and is retained when power is removed from iRIS8. Using the ProTe Software, the event log can be downloaded and stored as separate file.
- **7" LCD (color)** – iRIS8 utilizes a full colour, 7" 800x480 touch screen graphical display to provide a clear, simple and intuitive user interface. A 40 character zone location and 40 character device messages enables a clear, concise description of each detection device location to be configured. Resistive touch screen technology ensures control functions can be used.
- **Zone Indicators** – 500 software zones. 200 displayed by LED indicators on the front panel as a standard option.
- **Expandable from 1 to 8 loop controllers** – Modular structure which allows to expanding the system according to the specific demands of the project and beyond.
- **Redundant processor** – In order to provide a non-stop protection of the site the iRIS8 panel is equipped with a back-up processor in case the main fails. This feature transforms the panel in a flawless machine which will never give up on saving lives even with crashed microchip.
- **Loop break detection** – Second most frequent fault during or after initial installation. iRIS8 will continue operating even with single break in the loop and will signalize so it can be localized and fixed.
- **Multilanguage support** – iRIS8 has multiple language options expanding the variability to global partners. Below is list of all languages currently available, with new languages regularly added.

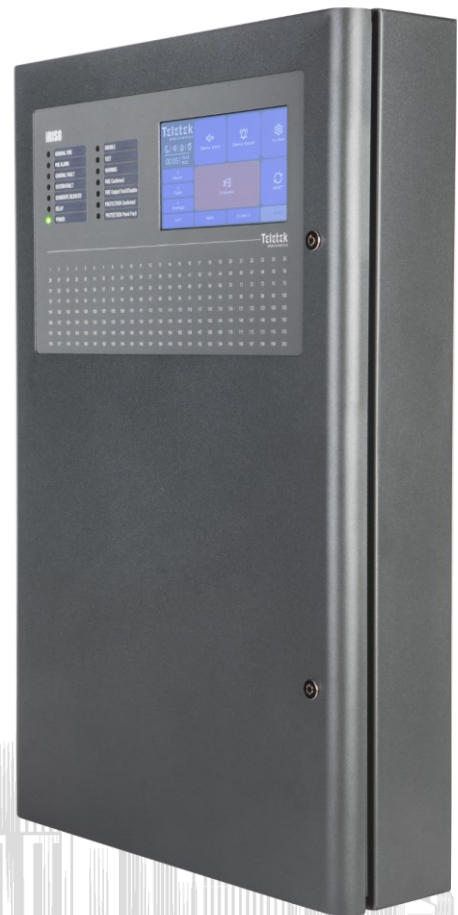
Bulgarian	Hungarian	Portugal
Croatian	Islandic	Romanian
Dutch	Italian	Russian
English	Latvian	Serbian
Estonian	Lithuanian	Slovenian
French	Norwegian	Spanish
German	Polish	Turkish





## Features

- **Double address detection and localization** – In case of manual address programming there is a great chance of mistakes. The panel is equipped with advanced software algorithms to track and help in double address localization.
- **Short circuit detection and localization** – It is common to have short circuit in the loop cable during the initial installation or during some reconstruction activities. Reasons could be various but the solution is simple and build-in as a standard option. The Panel will inform you between which devices there is a short circuit. (For best results Teletek recommends all devices to have build-in isolator).
- **ModBUS TCP/IP protocol** – Each panel is equipped with LAN card and Modbus as a standard option . This means iRIS8 is ready to go with any BMS software.
- **Changeable logo picture** – Even more customizable. The onscreen logo could be swapped with a new one suitable for each customer.
- **Massive Sounder outputs** – 1A + 1A in iRIS8 Ext. By enhancing the panel with 1 + 1 powerful sounder outputs the installers have more versatility and confidence the panel will be up to the task and will handle it with ease.
- **Cloud server and mobile application** – It is time for the Fire Protection panels to go into the new era of Cloud and Mobile application services. Teletek Cloud will provide: Remote programming, maintenance, user protected control, firmware updates, notifications, statistics and more.



## Technical Specifications

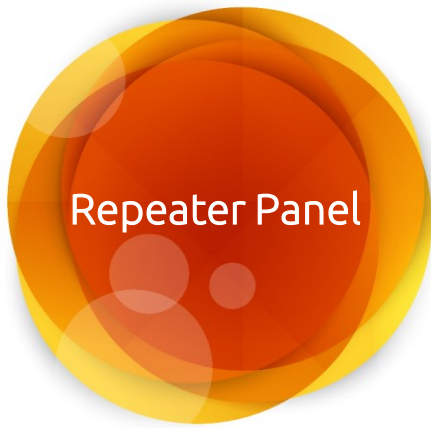


- Main Power Supply: 110÷230VAC, 2x200W
- Frequency: 50÷60 Hz
- Back-up Power Supply: 12V/ 18Ah, Lead-acid type (+1 in iRIS8 Ext.)
- Internal battery resistance: <math><0,30\Omega</math>
- Storage Temperature:  $-10^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$
- Operating temperature:  $-5^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$
- IP: 30
- Relative Humidity: up to 95% (without condensation)
- Dimensions: 430/330/120mm
- Weight: Min. configuration 7kg/ Max. configuration 15kg (without battery)

- **iRIS TTE loop - Expander** for 1 loop, TTE communication protocol, up to 250 SensoIRIS devices.
- **Redundant network module** - Optional module for RS485 redundant network.
- **SensoIRIS Series** - Addressable detectors, call points, modules and sounders.
- **IRIS/ SIMPO Repeater** - Repeater panel, visualizing the information from one or connected in network panels.
- **IRIS PS72** - Back-up power supply unit in a metal box, suitable for building up a modular structure with IRIS8.
- **IRIS Printer** - Thermal printer in a metal box, suitable for building up a modular structure with IRIS8.
- **Observer** - Monitoring Software.

## Compatible Product Range





approved to EN54 Parts 2 & 4

The Repeater is a device that duplicates the information provided by the SIMPO and IRIS addressable fire panels. It helps you get information on the current situation in the premises without having to be physically close to the main panel. The connection between the Repeater panel and the main panels is obtained by using a RS 485 redundant network module based on the RS485 interface. The monitoring information is displayed on the 7 inch touch screen LCD display. There is also LED indication available. The Repeater panel has a built-in real time clock. Available micro USB for latest software and firmware updates.

#### MAIN FEATURES:

- Touch screen - 7 inch color display
- Build in RS485 Network module
- Build in LAN module
- Up to 64 panels in network – RS485
- Up to 1km distance between the panels
- Reset/Evacuate/Silence Sounders and Buzzer of all network panels
- IRIS and SIMPO compatible
- Slim design
- Multilanguage support
- 10 000 events log
- Designed according to EN54 2/4
- Changeable logo picture

## PROGRAMMING SOFTWARE

# ProSTE

The software allows fast and user-friendly programming to the benefit of the installer.

- Intuitive and user friendly graphic interface
- Easy programming of all system parameters
- Saves time and effort
- Allows creation of default configurations in tdf (teletek data files) ready for use on site
- Decreases possibility of mistakes during programming
- No need to remember addresses or use programming manuals
- Cost - free download and automatic update available
- Multilingual support
- Help wizard

## MONITORING SOFTWARE



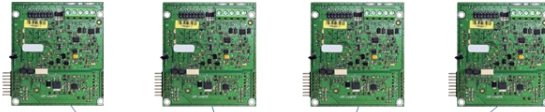
# OBSERVER

Observer Software is designed for local monitoring of Teletek Electronics addressable Fire Alarm Systems.

- Supports up to 64 Intruder and Fire control panels and up to 64 000 devices/zones
- Video verification integration with 3-rd party camera through Real Time Streaming Protocol (RTSP)
- Printable event log
- Event audio signalization
- Graphic interface view
- Email notification
- Protection by means of password and USB key (Dongle)
- ModBus protocol included
- Multi language support
- Supports up to 1000 users

## Panel Capabilities

Loop 1    Loop 2    Loop 3    Loop 4



SND 1A



SND 1A



Loop 5



Loop 6



Loop 7



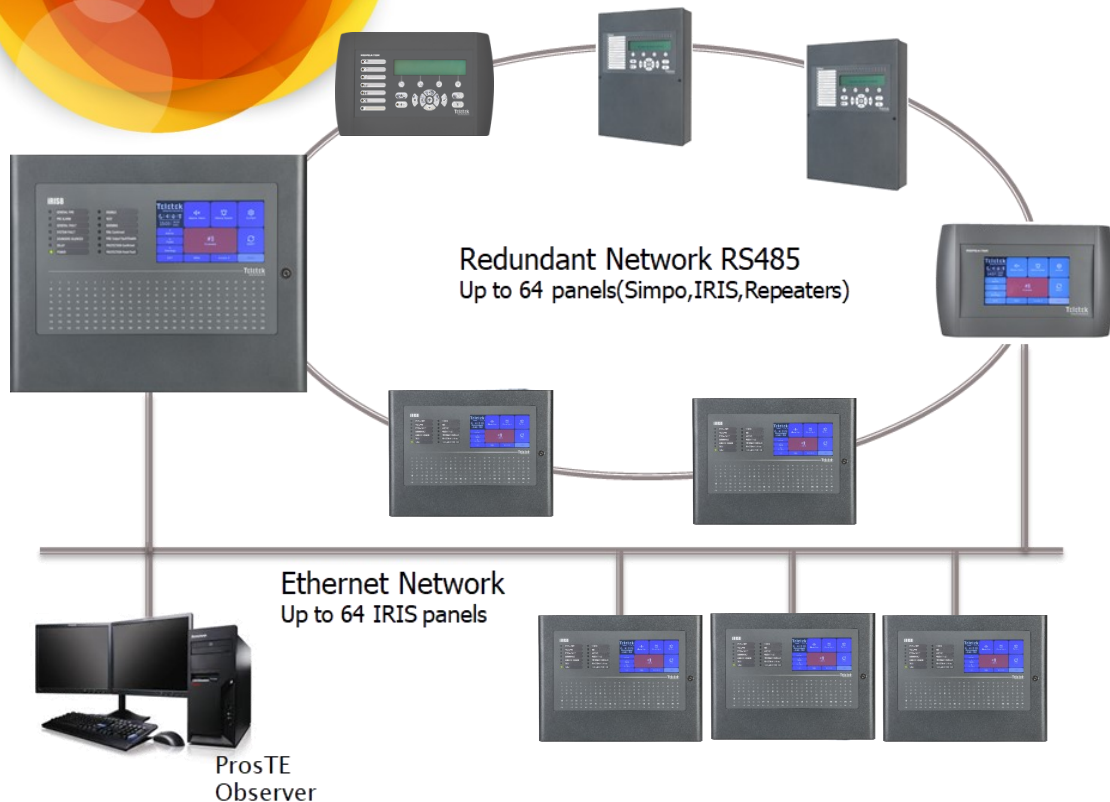
Loop 8

250 Devices





## Network Capabilities

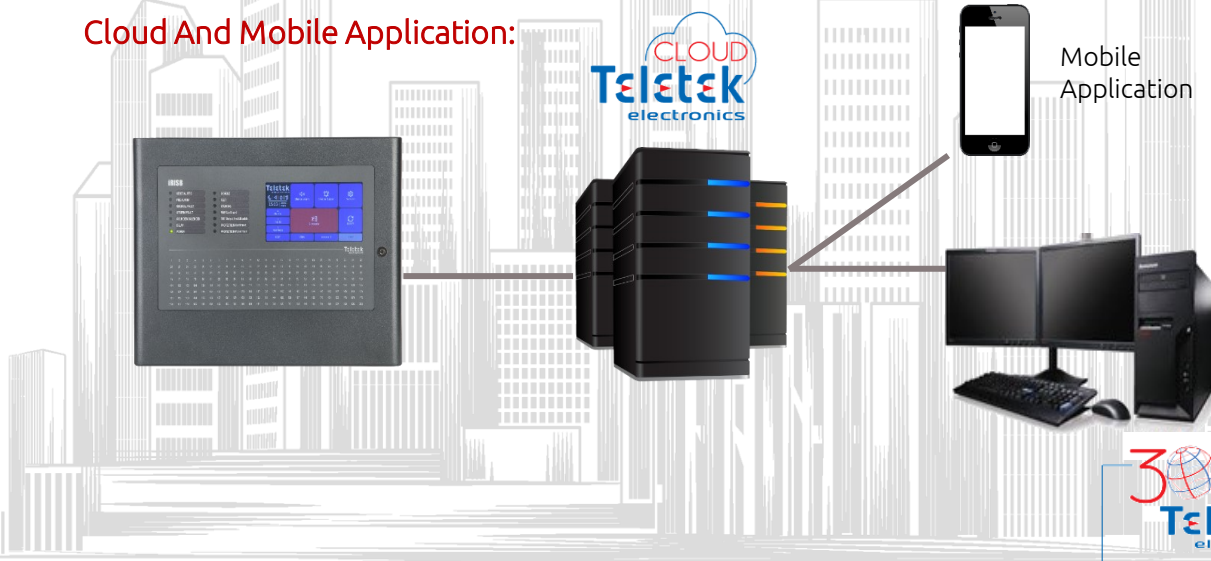


iRIS8 supports all current and will support all future panels in Teletek's portfolio. Connection could be achieved by LAN or RS485 additional card (supports redundant second connection up to 1km).

With 64 panels in network (panels and repeaters) there is no project which can't be accomplish.

The whole system of panels can be monitored and controlled locally by Observer software and remotely via Teletek Cloud.

### Cloud And Mobile Application:



Coming Soon

## iRIS8 ADDRESSABLE FIRE ALARM SYSTEMS APPROVED TO EN 54 - PART 13



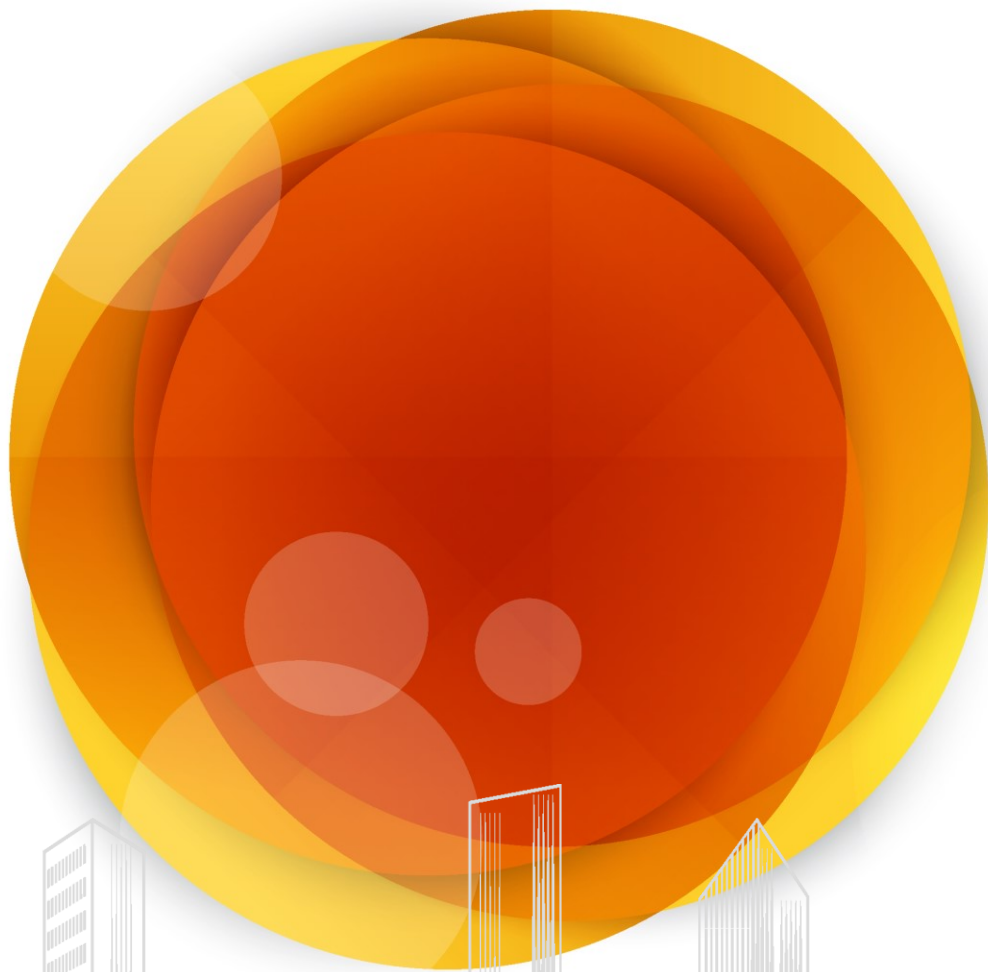
Teletek Electronics addressable fire alarm systems **iRIS** is fully approved and certified under EN 54-13:2017 third party testing, the latest European standard that ensures the overall compatibility and connectivity of components into a full fire detection and ensures optimal fire system performance.

EN 54-13- /Compatibility and integrity assessment of system/ considers the ability of all the individual components to work together as a fire detection.

It proves the system works in a fire and fault condition according to the manufacturer's specification and most importantly ensures that the system is more resilient to critical fault conditions (i.e. panel failure, network failure and cable failures) and the reliability of the entire system can be proven.

The EN 54-13 certificate confirms that all addressable Teletek devices work together as a complete iRIS 8 system, according to the standard.

With EN 54-13 fast becoming mandatory across Europe, you and your customer can be assured when you choose Teletek **iRIS Fire Panels** with high quality Teletek devices to create an EN 54-13 approved system.



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