

2020

Fire Alarm Systems

Product catalogue

## TELETEK ELECTRONICS JSC IS A HIGH-TECH MANUFACTURER OF A FULL RANGE OF INTRUDER AND FIRE ALARM SYSTEMS

Already 29 years, we continue to search, develop and realize high performance products and solutions, combining our profound technological experience, strong production capacity, and the energy and passion of our people.

The heart of Teletek Electronics' success is its productive flexibility that is expressed not only in the wide production range but also in the ability to design and make specific and exclusive versions of the product in collaboration with the Customer. This important plus brings about obvious advantages, especially in the area of intruder and fire alarm systems where the elaboration process of a customized product is sometimes very hard.

Our company works with 2 hi-tech SMD lines consisting of DEK Ela screen, PHILIPS Topaz-X Pick and Place machines and ERSA Hotflow5 oven. With capability of placing over 30 000 components per hour, the pick-and-place machines enable our high skilled and motivated engineers to mount fine pitch components, BGA components and micro BGA components as well as Double-sided Reflow Soldering.

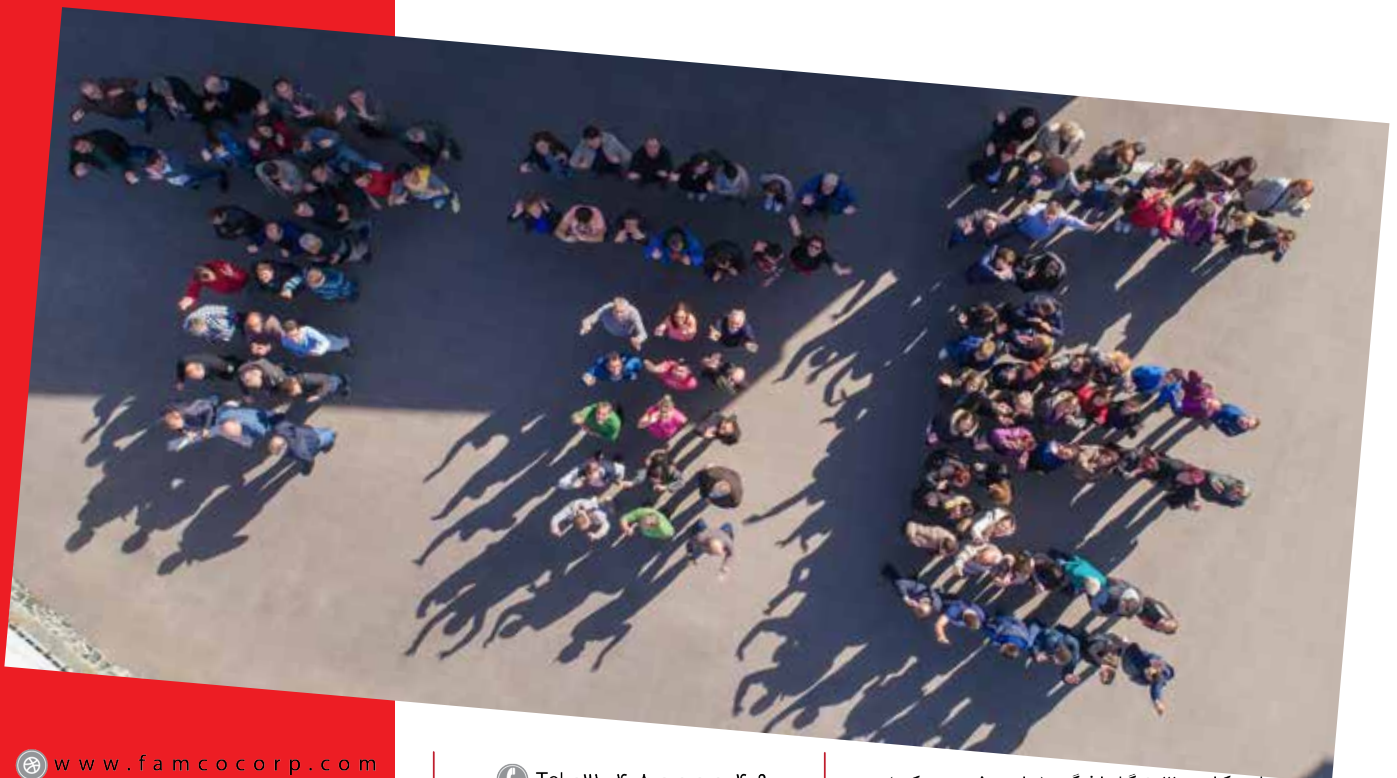
As recognition for its high quality and reliable production Teletek Electronics is awarded with ISO 9001:2015 Certificate.

What we have achieved for 29 years:

- Continuous innovation;
- More than 130 employees;
- Export in 75 countries;
- More than 30 million manufactured products;
- Almost a million buildings, secured by Teletek Electronics' systems.

We look forward to work, grow, explore and enjoy the next coming years!

2020



# ADDRESSABLE FIRE ALARM SYSTEMS



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# IRIS / SIMPO

## ADDRESSABLE PANELS



### IRIS PRO

### IRIS

### SIMPO

Loops	1-4	1 - 4	1 - 2
Devices per Loop	250	250	250
Expansion Loop Types	IRIS TTE/IRIS SS	IRIS TTE/IRIS SS	Simpo TTE
Galvanic Separation in Loops	Yes	Yes	No
Built-in isolator in Loops	Yes	Yes	Yes
Total number of devices per system	1000	1000	500
Zones	96	96	48
Multi language display	Yes	Yes	Yes
Redundant processor	Yes	Yes	No
Event Log	10 000	10 000	10 000
Day/Night Mode	Yes	Yes	Yes
Sounders/Strobes Synchronization	Yes	Yes	Yes
Display	320/240 touch screen	320/240 touch screen	4*40 symbols LCD
TCP/IP	Yes (built-in)	Yes (built-in)	No
Redundant network (RS485)	Yes (optional)	Yes (optional)	Yes (optional)
Battery	1x12V/18Ah	1x12V/18Ah	1x12V/18Ah
Monitoring of the internal battery resistance	Yes	Yes	Yes
Box	Metal	Metal with plastic cover	Metal
Color	Grey	White	Grey
Dimensions	430x330x117mm	441x331x80mm (bottom) 461x344x41mm (cover)	306x412x81mm
Flush mounting	No	Yes	No
Software Support	ProsTE/Observer	ProsTE/Observer	ProsTE/Observer
Standard	EN54 - 2/4	EN54 - 2/4	EN54 - 2/4

# IRIS

## ADDRESSABLE PANELS

- Up to 4 loops with up to 250 devices per loop
- Works with Teletek Electronics and System Sensor communication protocols

IRIS and IRIS PRO are addressable fire alarm panels with 1 to 4 loops and maximum coverage of 96 zones. Up to 250 devices can be connected to every system loop. The information for the system status is visualized on sensitive graphic display and LED indication for zones and troubles. With special "2 Steps of alarm level" working algorithm the false alarms are effectively minimized. The panels have a comprehensive day/night mode facility. The panels support two communication protocols: Teletek Electronics (IRIS TTE loop) and System Sensor (IRIS SS loop) according to the type of the used devices. Up to 64 IRIS/IRIS PRO panels can be connected in Ethernet or RS485 redundant network. The panels support operation with Observer monitoring software for IRIS panels connected in a network is available. Direct programming with ProsTE software.

### IRIS



### IRIS PRO



EN54 - 2/4

### Technical Specifications

Main Power Supply .....	230VAC +10%/-15%
Frequency .....	50/60Hz
Electrical output .....	7.0A
Internal resistance of the battery....	<0.3 Ohm
Operating temperature.....	-5°C to +40°C
Weight (without battery) .....	6kg

### Functional Features

Loops:	1 to 4
Devices per loop:	250 (TTE loop); 198 (SS loop)
Zones:	96
Back-up battery:	1, 12V/18Ah
Outputs:	4, monitored, relay type
Outputs (non-monitored, programmable, relay type):	4, 15A@24VDC
Programmable inputs/outputs:	Up to 250
Memory LOG:	10 000 events
Panels in Ethernet network (built-in TCP/IP):	Up to 64
Panels in RS485 redundant network (optional module):	Up to 64
Thermal printer:	Optional
Display:	320/240 touch screen
Multi language support of the software:	Yes
Programming:	ProsTE software
Standard:	EN54 - 2/4

# IRIS PRO

FAMCO  
هایپر صنعت

## ADDRESSABLE PANEL

- Compact design in a metal box suitable for arranging of modular structures
- Easy installation and maintenance

Specially designed box for building of modular structures when optional thermal printer and extra power supply are a must for the site installation. The boxes are easily mounted to each hiding all power and connection cables inside. The connected printer provides quick and easy printing to the panel's events log. The extra power unit accommodates additional back-up power for longer operation when the mains failures.



### IRIS Printer

- Thermal printer in a metal box
- Suitable for modular structure
- Power supply 100-240VAC, 1.5A
- Serial interface RS-232C to IRIS PRO
- Paper width 80mm, valid print width 72mm
- Print speed max. 170mm/sec
- Self test and status indication
- Colour - grey
- Dimensions - 430x330x117mm



### IRIS PS72

- Back-up power supply unit
- Suitable for modular structure with IRIS PRO
- Power supply 100-240VAC, 1.5A
- Place for 2 accumulator batteries 12V/18Ah (max. size of a battery 167x181x76mm)
- Colour - grey
- Dimensions - 430x330x117mm
- Certified to EN54-4



### IRIS TTE Loop

- Loop Expander for 1 loop
- TTE protocol
- Supports SensoIRIS devices
- Max. consumption of the loop devices - 0.5A
- Max. number of devices in the loop - 250



### IRIS SS Loop

- Loop Expander for 1 loop
- System Sensor protocol
- Supports System Sensor devices
- Max. consumption of the loop devices - 0.5A
- Max. number of devices in the loop - 198 (99 detectors + 99 devices)



### IRIS/SIMPO Redundant module

- RS485 Network module
- The maximum length between two modules is 1000m



# SIMPO

## ADDRESSABLE PANEL

- Up to 2 loops with up to 250 devices per loop
- Entry level solution for smaller addressable installations

SIMPO is the perfect solution for your cost effective installations. It supports operation with up to two loops with coverage of 48 zones. 250 devices with Teletek Electronics protocol (SIMPO TTE Loop) could be connected to each loop. System status is visualized via LCD display and LED indication. Up to 64 SIMPO panels can be connected in RS485 redundant network or Ethernet network. Direct programming with ProsTE software is available. The panel comes in a metal casing with a multilingual LCD display and front foil for easier customizing.

EN54 - 2/4

### Technical Specifications

Main Power Supply	90 ÷ 264VAC
Frequency	47 ÷ 440Hz
Electrical output	4.2A
Internal resistance of the battery	<0.3 Ohm
Operating temperature	-5°C to +40°C
Weight (without battery)	4.2kg

### Functional Features

Loops:	1 to 2 (TTE protocol)
Devices per loop:	250
Zones:	48
Back-up battery:	1, 12V/18Ah
Inputs:	3
Outputs: (monitored, relay type)	5
Outputs (non-monitored, programmable, relay type):	4, 15A@24VDC
Memory LOG:	10 000 events
Panels in RS485 redundant network (optional module):	Up to 64
Thermal printer:	Optional
Display:	4*40 symbols
Multi language support of the software:	Yes
Programming:	ProsTE software
Standard:	EN54 - 2/4



#### SIMPO TTE Loop

- Loop Expander for 1 loop
- TTE protocol
- Supports SensolRIS devices
- Max. consumption of the loop devices - 0.5A
- Max. number of devices in the loop - 250



#### IRIS/SIMPO Redundant module

- RS485 Network module
- The maximum length between two modules is 1000m



#### TTE LAN Communication module

- LAN Communication module
- Serial communication with the panel
- The module provides a connection between SIMPO panel and monitoring software Observer via ModBUS protocol
- 6 programmable inputs/outputs, OC type (up to 100mA each)

# CONVENTIONAL FIRE ALARM SYSTEMS





# MAG SERIES

## CONVENTIONAL PANELS



### MAG2

### MAG4

### MAG8

### MAG8Plus

Zones	2	4	8	8-16
Devices	32 per zone*	32 per zone*	32 per zone*	32 per zone*
Double knock	No	No	Yes	Yes
Sounder output	2 (0.3A)	2 (0.3A)	2 (0.5A)	4 (0.3A)
Fire relay	Yes	Yes	Yes	Yes
Fault relay	Yes	Yes	Yes	Yes
AUX output	Yes (0.3A)	Yes (0.3A)	Yes (0.3A)	Yes (0.3A)
Sounder delays	No	No	Yes	Yes
Instant zone	No	No	Yes	Yes
Indication	LED	LED	LED	LED
Access protection	Key	Key	Key	Key
Plastic box/Metal box	Yes/Yes	Yes/Yes	Yes/No	Cover: plastic, Bottom: metal
Zone expander	No	No	No	Yes
Sounder expander	No	No	No	Yes
LOG module	No	No	Yes	Yes
Relay expander	No	No	Yes	Yes
Battery	1x12V/7Ah	1x12V/7Ah	1x12V/7Ah	1x12V/18Ah
Standard	EN54 - 2/4	EN54 - 2/4	EN54 - 2/4	EN54 - 2/4

\* with SensoMAG detectors

# MAG2/4/8

## CONVENTIONAL PANELS

EN54 - 2/4

MAG2, MAG4 and MAG8 are conventional fire detection and indication panels certificated by EN54-2/4. MAG2 maintains 2 fixed zones with fire detectors and call points; MAG4 maintains 4 fixed zones and MAG8 - 8 fixed zones. The MAG2, MAG4 and MAG8 panels have small size, handy cabinet, internal self-testing for technical faults. Easy for installation and maintenance, user-friendly and simple operation - that makes the MAG fire panels suitable for home, small and middle office applications.

Zones:	
• MAG2	2 fixed zones
• MAG4	4 fixed zones
Devices per zone:	32
Back-up battery:	1, 12V/7Ah
Sounder outputs:	2, monitored, 0.3A each
AUX output:	24VDC/0.3A fuse
Multi language support:	Yes



MAG2



MAG2P



MAG4



MAG4P

### Functional Features

- Active EOL allowing continuous monitoring of inputs
- Levels of access protected by means of key
- Easy operation and maintenance
- Metal or plastic box

### Technical Specifications

Main Power Supply	.....230VAC ± 10%
Current consumption (mains failure)	....50mA
Internal resistance of the battery	..... <1.6 Ohm
Operating temperature	.....-5°C to +40°C
Weight (without battery) MAG2	.....2.7kg (m); 2.1kg (p)
Weight (without battery) MAG4	.....3.5kg (m); 2.1kg (p)
Dimensions of the metal box (MAG2)	....200x290x80mm
Dimensions of the metal box (MAG4)	....320x220x80mm
Dimensions of the plastic box	.....340x290x100mm

Zones:	8 fixed zones
Devices per zone:	32
Back-up battery:	1, 12V/7Ah
Sounder outputs:	2, monitored, 0.5A each
Multi language support:	Yes
Double knock mode:	Yes
Sounders delay:	1-10 min, Programmable



MAG8

### Functional Features

- Supports relay expander MR8 and LOG module ML
- Active EOL allowing continuous monitoring of inputs
- Levels of access protected by means of key
- Easy operation and maintenance
- Simple programming by means of jumpers
- Plastic box

### Technical Specifications

Main Power Supply	.....230VAC ± 10%
Current consumption (mains failure)	....125mA
Auxiliary output	.....24VDC/0.3A fuse
Internal resistance of the battery	..... <0.45 Ohm
Operating temperature	.....-5°C to +40°C
Weight (without battery)	.....2.4kg
Dimensions of the plastic box	.....340x290x100mm

# MAG8PLUS

## CONVENTIONAL PANEL

- Expandable 8 to 16 zones
- Supports up to 32 detectors and call points per zone

MAG8Plus is a conventional fire detection and indication panel certificated by EN54-2/4. The panel maintains from 8 to 16 zones with fire detectors and call points. MAG8Plus is based on a modular principle - a power unit, a control panel, zone/sounder expanders, an indication module and battery space. A detailed LED indication shows the status of the system, divided into two groups - for technician level and for monitor and observer level.

The MAG8Plus is suitable for vast range of applications - big office buildings, schools, supermarkets, etc.

EN54 - 2/4

Zones:	8, expandable to 16
Devices per zone:	32
Back-up battery:	1, 12V/18Ah
Sounder outputs:	4, monitored, 0.3A each
Multi language support:	Yes
Double knock mode:	Yes
Sounders delay:	1-10 min, Programmable



### Functional Features

- Supports relay expander MR8 and LOG module ML
- Active EOL allowing continuous monitoring of inputs
- Levels of access protected by means of key
- Simple programming by means of jumpers

### Technical Specifications

Main Power Supply	.....230VAC ±10%
Current consumption (mains failure)	.....260mA*
Auxiliary output	.....24VDC/0.3A fuse
Operating temperature	.....-5°C to +40°C
Weight (without battery)	.....4kg
Dimensions of metal bottom	.....441x331x80mm
Dimensions of plastic cover	.....461x344x45mm

\* with connected 4 zone expander modules



#### ML

- LOG module for recording and viewing of events
- Compatible with MAG8 and MAG8Plus\*
- Memory for 8190 events
- Operation keypad with 4 buttons
- LCD display with backlight
- Multi language menus

\* Built-in installation in MAG8Plus fire alarm panel.  
For installation with MAG8 fire alarm panel, the module is mounted into compact small plastic box SB-U with transparent cover. The SB-U box is sold separate.



#### MS 4

- 4 sounder outputs expander module
- Compatible with MAG8Plus



#### MR 8

- 8 relay expander module
- Compatible with MAG8 and MAG8Plus
- 1A/12V or 0.5A/24V



#### ME 4

- 4 zone expander module
- Compatible with MAG8Plus

## EXTINGUISHING PANEL

- Conventional Fire Extinguishing Panel
- 2 zones for extinguishing and 1 conventional fire alarm zone

IVY is a conventional fire extinguishing control panel certificated by EN54-2/4 and EN12094-1 standards. The panel is designed for using together with systems for gas, powder, aerosol, water and other types of active extinguishing.

IVY has 3 hardwired zones - 2 for activation of automatic fire detectors and 1 conventional fire zone. Automatic and manual operation modes (selectable via 3 positional key lock) allow the operators to choose the extinguishing process control. The extinguishing process can be activated also manually with a special button on the front panel.

The IVY conventional panel is designed for extinguishing in one zone and can operate with solenoids, pressostats and other kind of actuators.

Optional LOG module for reviewing of recorded memory events (up to 1000 events) can be included in the system configuration.

EN12094-1, EN54 - 2/4

### Technical Specifications

Main Power Supply .....	110-230VAC ±10%
Frequency .....	47-60Hz
Electrical output .....	26VDC; 1.5A
Consumption .....	0.3A@230VAC; 0.7A@110VAC
Internal resistance of the battery....	<0.3 Ohm
Operating temperature .....	-5°C to +40°C
Weight (without batteries) .....	~3.2kg
Dimensions .....	324x314x82mm

### Functional Features

Zones:	3 (2 for extinguishing + 1 conventional fire alarm)
Devices per zone:	32
Back-up battery:	2, 12V/7Ah (serial connection)
Sounder outputs: (monitored, potential)	2, 0.3A each
Extinguishing output: (monitored, potential)	1A@5min/3A@20ms
Inputs: (monitored)	6
Inputs: (non-monitored, relay)	3
Inputs, OC type: (non-monitored)	4
Display:	2-digit, 7-segment, LED
Multi language support:	Yes
Standard:	EN12094-1; EN54 - 2/4



### IVY ML



- Optional LOG memory module for IVY panel
- Built-in mounting into the panel's box
- Memory for 1000 events
- Operation keypad with 4 buttons
- LCD display with backlight
- Multi language menus

### SensoMAG MRB50



- Manual Release Button
- For activation of the extinguishing
- Protective transparent cover
- Resettable flexible element
- Color - yellow

### SensoMAG MHB50



- Emergency Stop Button
- For emergency stop of the gas extinguishing system
- Protective transparent cover
- Color - blue