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

What we have achieved for 30 years:
- Continuous innovation – more than 650 own developed products
- More than 190 employees;
- Export in more than 85 countries worldwide;
- More than 30 million manufactured products;
- Almost a million buildings, secured by Teletek Electronics’ systems.

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.

We look forward to work, grow, explore and enjoy the next coming years!
ADDRESSABLE FIRE ALARM SYSTEMS
<table>
<thead>
<tr>
<th>Feature</th>
<th>SIMPO</th>
<th>IRIS PRO</th>
<th>iRIS8 S</th>
<th>iRIS8 B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loops</td>
<td>1-2</td>
<td>1-4</td>
<td>1-4</td>
<td>1-8</td>
</tr>
<tr>
<td>Devices per Loop</td>
<td>250</td>
<td>250</td>
<td>250</td>
<td>250</td>
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<tr>
<td>Loop Types</td>
<td>Simpo TTE</td>
<td>IRIS TTE/IRIS SS</td>
<td>IRIS TTE</td>
<td>IRIS TTE</td>
</tr>
<tr>
<td>Galvanic Separation in Loops</td>
<td>✗</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Built-in isolator in Loops</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Total number of devices per system</td>
<td>500</td>
<td>1000</td>
<td>1000</td>
<td>2000</td>
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<tr>
<td>Zones</td>
<td>48</td>
<td>96</td>
<td>500</td>
<td>500</td>
</tr>
<tr>
<td>Multi language display</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Redundant processor</td>
<td>✗</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Event Log</td>
<td>10 000</td>
<td>10 000</td>
<td>10 000</td>
<td>10 000</td>
</tr>
<tr>
<td>Day/Night Mode</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Sounders/Strobes Synchronisation</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Display</td>
<td>4*40 symbols LCD</td>
<td>320/240 touch screen</td>
<td>800/480 TFT</td>
<td>800/480 TFT</td>
</tr>
<tr>
<td>TCP/IP</td>
<td>✗</td>
<td>Yes (built-in)</td>
<td>Yes (built-in)</td>
<td>Yes (built-in)</td>
</tr>
<tr>
<td>Redundant network (RS485)</td>
<td>Yes (optional)</td>
<td>Yes (optional)</td>
<td>Yes (optional)</td>
<td>Yes (optional)</td>
</tr>
<tr>
<td>Battery</td>
<td>1x12V/18Ah</td>
<td>1x12V/18Ah</td>
<td>2x12V/18Ah</td>
<td>2x12V/18Ah</td>
</tr>
<tr>
<td>Monitoring of the internal battery resistance</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Box</td>
<td>Metal</td>
<td>Metal</td>
<td>Metal</td>
<td>Metal</td>
</tr>
<tr>
<td>Color</td>
<td>Grey</td>
<td>Grey/Red</td>
<td>Grey/Red</td>
<td>Grey/Red</td>
</tr>
<tr>
<td>Dimensions</td>
<td>306x412x81mm</td>
<td>430x330x117mm</td>
<td>430x660x120mm</td>
<td>430x660x120mm</td>
</tr>
<tr>
<td>Flush mounting</td>
<td>✗</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Software Support</td>
<td>ProsTE/Observer</td>
<td>ProsTE/Observer</td>
<td>ProsTE/Observer</td>
<td>ProsTE/Observer</td>
</tr>
<tr>
<td>Standard</td>
<td>EN 54-2/4, EN 54-13</td>
<td>EN 54-2/4, EN 54-13</td>
<td>EN 54-2/4, EN 54-13</td>
<td>EN 54-2/4, EN 54-13</td>
</tr>
</tbody>
</table>
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 panels (IRIS, iRIS8, SIMPO, Repeater) can be connected in RS485 redundant network. The panels support operation with Observer monitoring software. 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.

### 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
- **Loops:** 1 to 2 (TTE protocol)
- **Devices per loop:** 250
- **Zones:** 48
- **Back-up battery:** 1, 12V/18Ah
- **Inputs:** 3
- **Outputs:**
  - Monitor, relay type: 2, Sounder, 24V/0.5A, 1, Auxiliary, 24V/0.5A, 1, Fire Protection, 24V/0.3A, 1, Fire, 24V/0.3A, 1, Fault, 24V/0.3A
  - Non-monitor, 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 LCD
- **Multi language support of the software:** ✓
- **Programming:** ProsTE software

### Functional Features

- **Loops:** 1 to 2 (TTE protocol)
- **Devices per loop:** 250
- **Zones:** 48
- **Back-up battery:** 1, 12V/18Ah
- **Inputs:** 3
- **Outputs:**
  - Monitor, relay type: 2, Sounder, 24V/0.5A, 1, Auxiliary, 24V/0.5A, 1, Fire Protection, 24V/0.3A, 1, Fire, 24V/0.3A, 1, Fault, 24V/0.3A
  - Non-monitor, 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 LCD
- **Multi language support of the software:** ✓
- **Programming:** ProsTE software

### TTE LAN Communication module

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

### SIMPO 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

---

EN 54-2/4
EN 54-13
IRIS PRO
ADDRESSABLE PANEL

- Up to 4 loops with up to 250 devices per loop
- Works with two types communication protocols

IRIS PRO is addressable fire alarm panel 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 panel has a comprehensive day/night mode facility. The panel supports 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 panels (IRIS, iRIS8, SIMPO, Repeater) can be connected in Ethernet or RS485 redundant network. The panel supports operation with Observer monitoring software. Direct programming with ProsTE software.

Functional Features

| Loops: | 1 to 4 [TTE/SS protocol] |
| Devices per loop: | 250 [TTE loop]; 198 [SS loop] |
| Zones: | 96 |
| Back-up battery: | 1, 12V/18Ah |
| Outputs (monitored): | 1, Sounder, 24V/0.3A |
| | 1, Auxiliary, 24V/0.3A |
| | 1, Fire Protection, 24/0.3A |
| | 1, Fire, 24/0.3A |
| Outputs (non-monitored, programmable): | 4, Relay type, 15A@24VDC |
| | 1, Fault, 24/0.3A |
| 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 |

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

IRIS 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 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)
ADDRESSABLE PANELS

• Up to 8 loops with up to 250 devices per loop
• Works with Teletek Electronics communication protocol

iRIS8 S is an addressable fire alarm solution supporting 1 to 8 loops and maximum coverage of 500 zones. The full capacity for the system with 8 loops is achieved with connection to an expansion box (iRIS8 Ext) with space for additional 4 loop controllers. The expansion box is equipped with own power supply unit and control PCB with one powerful sounder output. The information for the system status is visualized on TFT graphic display and LED indication for zones and troubles. Up to 64 panels (iRIS, iRIS8, SIMPO, Repeater) can be connected in Ethernet or RS485 redundant network. The panels support operation with Observer monitoring software. Direct programming with ProsTE software.

The metal boxes of iRIS8 S and iRIS8 Ext can be easily organized in a modular structure, as all cable connection between them are hidden inside. The metal box of iRIS8 S and iRIS8 Ext are secured with an access key.

Functional Features (iRIS8 S+iRIS8 Ext configuration)

| Loops: | 1 to 8 (TTE protocol) |
| Devices per loop: | 250 (TTE loop) |
| Zones: | 500 |
| Back-up battery: | 1+1, 12V/18Ah |
| Inputs (monitored): | 3 |

Outputs (monitored):

iRIS8 S
1. Sounder, 24V/1A
2. Auxiliary, 24V/0.3A
3. Fire Protection, 24V/0.1A
4. Fire, 24V/0.1A
5. Fault, 24V/0.1A

iRIS8 Ext
1. Sounder, 24V/1A
2. Auxiliary, 24V/0.5A

Outputs (non-monitored, programmable):

4. Relay type, 10A@24VDC
1. Fire Protection (VdS 2540), 24V/0.1A

RS232/RS485 interface: Built-in
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: 800x480 TFT

Multi language support of the software: ✓

Programming: ProsTE software

Technical Specifications

Main Power Supply: 230VAC ±10%/-15%
Frequency: 50/60Hz
Electrical output: -30A
Internal resistance of the battery: <0.3 Ohm
Operating temperature: -5°C to +40°C
Weight (without battery):
• iRIS8 S: ~7kg
• iRIS8 Ext: ~6.2kg

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
iRIS8 B is situated in a big metal box and is a solution for application in vast public or office buildings. All loop controllers are situated in a single box secured with two access keys. The information for the system status is visualized on TFT graphic display and LED indication for zones and troubles. Up to 64 panels (iRIS, iRIS8, SIMPO, Repeater) can be connected in Ethernet or RS485 redundant network. The panels support operation with Observer monitoring software. Direct programming with ProsTE software.

Functional Features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loops</td>
<td>1 to 8 (TTE protocol)</td>
</tr>
<tr>
<td>Devices per loop</td>
<td>250 (TTE loop)</td>
</tr>
<tr>
<td>Zones</td>
<td>500</td>
</tr>
<tr>
<td>Back-up battery</td>
<td>2, 12V/18Ah</td>
</tr>
<tr>
<td>Inputs (monitored)</td>
<td>3</td>
</tr>
<tr>
<td>Outputs (monitored)</td>
<td>2, Sounder, 24V/1A</td>
</tr>
<tr>
<td></td>
<td>1, Auxiliary, 24V/0.3A</td>
</tr>
<tr>
<td></td>
<td>1, Auxiliary, 24V/0.5A</td>
</tr>
<tr>
<td></td>
<td>1, Fire Protection, 24V/0.1A</td>
</tr>
<tr>
<td></td>
<td>1, Fire, 24V/0.1A</td>
</tr>
<tr>
<td></td>
<td>1, Fault, 24V/0.1A</td>
</tr>
<tr>
<td>Outputs (non-monitored,</td>
<td>4, Relay type, 10A@24VDC</td>
</tr>
<tr>
<td>programmable)</td>
<td>1, Fire Protection (VdS 2540), 24V/0.1A</td>
</tr>
<tr>
<td>RS232/RS485 interface</td>
<td>Built-in</td>
</tr>
<tr>
<td>Programmable inputs/outputs</td>
<td>Up to 250</td>
</tr>
<tr>
<td>Memory LOG</td>
<td>10 000 events</td>
</tr>
<tr>
<td>Panels in Ethernet network</td>
<td>Up to 64</td>
</tr>
<tr>
<td>(built-in TCP/IP)</td>
<td></td>
</tr>
<tr>
<td>Panels in RS485 redundant</td>
<td>Up to 64</td>
</tr>
<tr>
<td>network (optional module)</td>
<td></td>
</tr>
<tr>
<td>Thermal printer</td>
<td>Optional</td>
</tr>
<tr>
<td>Display</td>
<td>800/480 TFT</td>
</tr>
<tr>
<td>Multi language support of the</td>
<td>✓</td>
</tr>
<tr>
<td>software</td>
<td></td>
</tr>
<tr>
<td>Programming</td>
<td>ProsTE software</td>
</tr>
</tbody>
</table>

Technical Specifications

Main Power Supply ................. 230VAC +10%/-15%
Frequency .......................... 50/60Hz
Electrical output ........................ -30A
Internal resistance of the battery ... <0.3 Ohm
Operating temperature ................. -5°C to +40°C
Weight (without battery) ............. ~15kg

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
Specially designed boxes for building of modular structures. The boxes are easily mounted to each hiding all power and connection cables inside.

**IRIS Printer**
- Thermal printer in a metal box
- Suitable for modular structure
- Power supply 100-240VAC, 1.5A
- Serial interface RS-232C
- Paper width 80mm, valid print width 72mm
- Print speed max. 170mm/sec
- Self test and status indication
- Colour – grey
- Dimensions - 430x330x117mm
- Certified to EN 54-13

**IRIS PS72**
- Back-up power supply unit
- Suitable for modular structure
- Power supply 100-240VAC, 1.5A
- Place for 2 accumulator batteries 12V/18Ah
- Colour – grey
- Dimensions - 430x330x117mm
- Certified to EN 54-4, EN 54-13

A range of RS485 interface modules provide additional functionality to any fire alarm system using SIMPO, IRIS PRO or iRIS8 addressable panel. The interface modules are with compact size and are easily mounted to the panels’ a configuration - the installation is on slot.

**IRIS/SIMPO Redundant module**
- RS485 Network module
- The maximum length between two modules is 1000m

**PASO Interface module**
- Evacuation voice interface module
- RS485 communication protocol
- Network connection with up to 5 PASO specialized panels

The following table is a quick guide for the compatibility between the Teletek Electronics JSC fire alarm panels and the presented interface panels and modules.

<table>
<thead>
<tr>
<th>Compatibility</th>
<th>SIMPO</th>
<th>IRIS PRO</th>
<th>iRIS8 B</th>
<th>iRIS8 S</th>
<th>iRIS8 Ext</th>
</tr>
</thead>
<tbody>
<tr>
<td>iRIS Printer</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✔</td>
<td>❌</td>
</tr>
<tr>
<td>iRIS PS72</td>
<td>✓</td>
<td>✓</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>IRIS/SIMPO Redundant module</td>
<td>✓</td>
<td>✓</td>
<td>✔</td>
<td>✔</td>
<td>❌</td>
</tr>
<tr>
<td>PASO Interface module</td>
<td>✓</td>
<td>✔</td>
<td>❌</td>
<td>❌</td>
<td>❌</td>
</tr>
<tr>
<td>Modular structure</td>
<td>❌</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
</tbody>
</table>
The Repeater panel is designed to display the events of the connected in redundant network IRIS and SIMPO addressable fire panels.

The Repeater panel is designed to work with Teletek Electronics’ addressable fire alarm panels IRIS and SIMPO. It is used to display the events of the connected to the network addressable panels. The connection between the Repeater panel and addressable panels IRIS and/or SIMPO is via redundant network module. The maximum number of fire alarm panels in a network is 64. The maximum distance between two panels is up to 1000m. The Repeater panel has a built-in real time clock. Available micro USB for latest software and firmware updates.

The Repeater panel is available in two model versions according the way for visualization of the alarm events and system status:

- Repeater TFT (LCD touch screen display)
- Repeater (LCD display and LED indication for system status)

### Functional Features

<table>
<thead>
<tr>
<th>Repeater TFT</th>
<th>Repeater</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protocol type:</td>
<td>TTE</td>
</tr>
<tr>
<td>Panels in redundant network:</td>
<td>up to 64</td>
</tr>
<tr>
<td>Network type topology:</td>
<td>Ring or line</td>
</tr>
<tr>
<td>RS485 interface:</td>
<td>✓</td>
</tr>
<tr>
<td>LAN interface:</td>
<td>✓</td>
</tr>
<tr>
<td>USB interface for software update:</td>
<td>✓</td>
</tr>
<tr>
<td>Connection wires:</td>
<td>0.5-2.5mm²</td>
</tr>
<tr>
<td>Max. length between two panels:</td>
<td>1000m</td>
</tr>
<tr>
<td>Memory LOG:</td>
<td>10,000 events</td>
</tr>
<tr>
<td>Display:</td>
<td>800/480 TFT</td>
</tr>
<tr>
<td>Multi language support of the software:</td>
<td>✓</td>
</tr>
<tr>
<td>Color:</td>
<td>Grey</td>
</tr>
</tbody>
</table>

### Technical Specifications

<table>
<thead>
<tr>
<th>Repeater TFT</th>
<th>Repeater</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main power supply:</td>
<td>24±4VDC</td>
</tr>
<tr>
<td>Frequency:</td>
<td>50/60Hz</td>
</tr>
<tr>
<td>Max. consumption:</td>
<td>0.4A</td>
</tr>
<tr>
<td>Operating temperature:</td>
<td>-5°C to +50°C</td>
</tr>
<tr>
<td>Dimensions:</td>
<td>200x330x48mm</td>
</tr>
<tr>
<td>Weight:</td>
<td>0.90kg</td>
</tr>
</tbody>
</table>
### SensoIRIS T110/T110 IS
- Fixed Temperature and Rate of Rise detector
- Supports Teletek Electronics protocol
- Class, selectable from the control panel - A1/R, A2/S, B/S
- Day/Night mode (programmable from the panel)
- Low profile design
- LED indication with 360° visibility
- Available with built-in isolator - SensoIRIS T110 IS (white/black)
- Compatible with standard bases B124 and B124-HP
- Compatible with deep base accessory DeepBase W
- IP30

<table>
<thead>
<tr>
<th>Color models</th>
<th>T110</th>
<th>T110 IS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAL9016 (White)</td>
<td>√</td>
<td>√</td>
</tr>
<tr>
<td>RAL9005 (Black)</td>
<td>×</td>
<td>√</td>
</tr>
</tbody>
</table>

### SensoIRIS S130/S130 IS
- Optical smoke detector
- Supports Teletek Electronics protocol
- Sensitivity, selectable from the control panel - High/Normal/Middle/Low
- Day/Night mode (programmable from the panel)
- Low profile design
- LED indication with 360° visibility
- Available with built-in isolator - SensoIRIS S130 IS (white/black)
- Compatible with standard bases B124 and B124-HP
- Compatible with deep base accessory DeepBase W
- IP30

<table>
<thead>
<tr>
<th>Color models</th>
<th>S130</th>
<th>S130 IS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAL9016 (White)</td>
<td>√</td>
<td>√</td>
</tr>
<tr>
<td>RAL9005 (Black)</td>
<td>×</td>
<td>√</td>
</tr>
</tbody>
</table>

### SensoIRIS M140/M140 IS
- Combined detector
- Supports Teletek Electronics protocol
- Class (in accordance with EN54-5) - A1/R
- Sensitivity (in accordance with EN54-7) - High/Normal/Middle/Low
- Day/Night mode (programmable from the panel)
- Low profile design
- LED indication with 360° visibility
- Available with built-in isolator - SensoIRIS M140 IS (white/black)
- Compatible with standard bases B124 and B124-HP
- Compatible with deep base accessory DeepBase W
- IP30

<table>
<thead>
<tr>
<th>Color models</th>
<th>M140</th>
<th>M140 IS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAL9016 (White)</td>
<td>√</td>
<td>√</td>
</tr>
<tr>
<td>RAL9005 (Black)</td>
<td>×</td>
<td>√</td>
</tr>
</tbody>
</table>
SensoIRIS B124
- Compatible with SensoIRIS detectors and SensoIRIS WSxx sounders
- Compatible with deep base accessory DeepBase W/R
- Low Profile design
- Wire gauge for terminals - 0.4 - 2.0mm²
- Material (plastic) - ABS
- Dimensions 103x11mm

SensoIRIS B124-HP
- Compatible with SensoIRIS detectors and SensoIRIS WSxx sounders
- High Profile design
- Special info plate for labeling the device address and name
- Wire gauge for terminals - 0.4 - 2.0mm²
- Engraved signs for the terminals
- Material (plastic) - ABS
- Dimensions 104x17.5mm

Color models B124

<table>
<thead>
<tr>
<th>Color</th>
<th>B124</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAL9016 (White)</td>
<td>✔️</td>
</tr>
<tr>
<td>RAL9005 (Black)</td>
<td>✔️</td>
</tr>
</tbody>
</table>

DeepBase W
- Deep base accessory
- Color - white (RAL 9016)
- Application for mounting on rough surfaces, pipelines, floating ceilings, etc
- Compatible with SensoMAG and SensoIRIS detectors; SensoIRIS WSXX/BSXX sounders; Belinda WSxx sounders; SF100 WSST/WSND sounders; Hera WSST/WSND sounders
SensoIRIS MCP150
- Manual call point
- Supports Teletek Electronics protocol
- Type of the working element - resettable (flexible)
- Type (according to EN54-11) - A
- Built-in isolator
- Material (plastic), color - ABS, red
- Optional protective plastic cover
- IP40

SensoIRIS MCP150 IP67
- Waterproof protected manual call point
- Supports Teletek Electronics protocol
- Built-in isolator module
- Surface mounting
- Resettable flexible element
- Type (according to EN54-11) - A
- LED indication
- Special test tool for resetting after alarm event
- Protective plastic cover
- Cable glands and o-ring protected sealant
- IP67 according EN 60529

Call Point Plastic Cover Set
- Set of 5 pcs. protective plastic cover for manual call-points
- Compatible with SensoIRIS MCP150 and SensoIRIS MCP150 IP67

SensoIRIS MCP150MR
- Metal, powder-coated/Red

SensoIRIS MCP150PR
- Plastic, ABS/Red

SensoIRIS MCP150PB
- Plastic, ABS/Blue

• Manual call points
• Supports Teletek Electronics protocol
• Working element (2 elements): frangible (a break glass) and operating (a button)
• Type (according to EN54-11) - B
• Built-in isolator
• Special key for opening
• Auto-reset at door closing
SensoIRIS

ADDRESSABLE MODULES

SensoIRIS MIO22M

- Module with 2 inputs and 2 monitored outputs
- Supports Teletek Electronics protocol
- Two operation modes for the outputs: monitored and non-monitored
- Placed in plastic box with transparent cover for easy inspection
- Built-in isolator
- Loop powered
- IP21

SensoIRIS MC-Z

- Conventional zone module
- Supports Teletek Electronics protocol
- Interface between a zone of conventional detectors and loop expander
- Placed in plastic box with transparent cover for easy inspection
- Built-in isolator
- Loop powered
- IP21

SensoIRIS MOUT

- Potential output for conventional sounders
- Supports Teletek Electronics protocol
- Interface between a zone of conventional sounders and loop expander
- Placed in plastic box with transparent cover for easy inspection
- Built-in isolator
- Loop powered
- IP21

SensoIRIS MOUT - 240

- Electrical mains switching output
- Supports Teletek Electronics protocol
- Suitable for control of 240VAC voltage circuits
- Placed in plastic box with transparent cover for easy inspection
- Built-in isolator
- Loop powered
- IP21

SensoIRIS MIOxx

- Input/output modules:
  - MIO22 (2 inputs, 2 outputs)
  - MIO04 (4 outputs)
  - MIO40 (4 inputs)
- Placed in plastic box with transparent cover for easy inspection
- Built-in isolator
- Loop powered
- IP21

EN 54-18/17
EN 54-13
SensoIRIS
ADDRESSABLE MODULES

- **SensoIRIS MOUT-240 IP55**
  - Electrical mains switching output
  - Supports Teletek Electronics protocol
  - Suitable for control of 240VAC voltage circuits
  - Placed in big plastic box suitable for wall mounting
  - Built-in isolator
  - Loop powered
  - IP55

- **SensoIRIS MOUT IP55**
  - Potential output for conventional sounders
  - Supports Teletek Electronics protocol
  - Interface between a zone of conventional sounders and loop expander
  - Placed in big plastic box suitable for wall mounting
  - Built-in isolator
  - Loop powered
  - IP55

- **SensoIRIS MC-Z IP55**
  - Conventional zone module
  - Supports Teletek Electronics protocol
  - Interface between a zone of conventional detectors and loop expander
  - Placed in big plastic box suitable for wall mounting
  - Built-in isolator
  - Loop powered
  - IP55

- **SensoIRIS MIO22M IP55**
  - Module with 2 inputs and 2 monitored outputs
  - Supports Teletek Electronics protocol
  - Two operation modes for the outputs: monitored and non-monitored
  - Placed in big plastic box suitable for wall mounting
  - Built-in isolator
  - Loop powered
  - IP55

- **SensoIRIS MIOxx IP55**
  - Input/output modules:
    - MIO22 IP55 (2 inputs, 2 outputs)
    - MIO04 IP55 (4 outputs)
    - MIO40 IP55 (4 inputs)
  - Placed in big plastic box suitable for wall mounting
  - Built-in isolator
  - Loop powered
  - IP55

EN 54-18/17
EN 54-13
SensoIRIS ADDRESSABLE MODULES

SensoIRIS MIMIC
- 32 Outputs for LED control
- Two operation modes for LED outputs control: common-anode or common-cathode, programmable via jumper on the PCB
- Built-in compensating resistors
- Built-in isolator module
- Easy for operation pluggable connectors for quick wire installation on the site
- Special inputs for LED operation Test, Silence alarm and Reset of the Fire panel, Silence of the module’s buzzer
- Special LED Outputs for repeating the FIRE, Fault and Disablement indication of the fire panel
- Separate LED Output for indication of the power supply status of the connected Mimic panel
- Enclosure box for wall mounting, IP43

SensoIRIS MINP M
- Mini module with one monitored input
- Used for connection of external control devices, gas detection, panic switches, etc
- Compact size for built-in mounting
- Supports Teletek Electronics protocol

SensoIRIS MISO
- Isolator module
- Placed in plastic box with cable running holes for easy installation
- Supports Teletek Electronics protocol
- IP40

HANDHELD SERVICE TOOLS

SensoIRIS Programmer
- Programming tool
- Compatible with SensoIRIS detectors, sounders and modules
- Supports Teletek Electronics protocol
- Mobility in operation
- Multi language support
- Optional battery power supply 4x1.5V (not included)
- The kit includes: cables for programming SensoIRIS modules; AC-DC adapter

Loop Tester
- Loop and line diagnostic tool
- Cable test
- Easy location of short and break faults
- Auto-addressing support
- Compatible with SensoIRIS detectors, sounders and modules
- Supports Teletek Electronics protocol
- Mobility in operation
- Multi language support
- Easy for operation 2-cage clamp connectors for quick wire connection
- The kit includes: 4 pcs 2-cage terminals; 4 pcs wires (2 red and 2 black); AC-DC adapter
### ADDRESSABLE SOUNDERS/STROBES

**Belinda WSOU/WSOU IS**  
- Wall mount sounder  
- Two sound levels - LOW: 82-92dB, HIGH: 100-103dB  
- 32 tone types selectable from the panel  
- Supports Teletek Electronics protocol  
- Loop synchronization for better alarm signal  
- Loop powered  
- Color - red (RAL 3020)  
- Compatible with standard bases B124 and B124-HP  
- Compatible with deep base accessory DeepBase R  
- Available in version with built-in isolator (Belinda WSOU IS)  
- IP21C, type A  

**Belinda WSST/WSST IS EN54-23**  
- Wall mount sounder and strobe - Visual Alarm Device (VAD)  
- Two sound levels - LOW: 80-88dB, HIGH: 92-98dB  
- 32 tone types selectable from the panel  
- Supports Teletek Electronics protocol  
- Loop synchronization for better alarm signal  
- Loop powered  
- Color - white cap (RAL 9016), white transparent body  
- Available in version with built-in isolator (Belinda WSST IS EN54-23)  
- Compatible with standard bases B124 and B124-HP  
- Compatible with deep base accessory DeepBase W  
- Available in version with built-in isolator (Belinda WSST IS EN54-23)  
- IP21C, type A  
- Coverage volume: Open class

**SensoIRIS WSOU/WSOU IS**  
- Wall mount sounder  
- Two sound levels - LOW: 82-92dB, HIGH: 100-103dB  
- 32 tone types selectable from the panel  
- Supports Teletek Electronics protocol  
- Loop synchronization for better alarm signal  
- Loop powered  
- Color - red (RAL 3020)  
- Compatible with standard bases B124 and B124-HP  
- Compatible with deep base accessory DeepBase R  
- Available in version with built-in isolator (SensoIRIS WSOU IS)  
- IP21C, type A

**SensoIRIS WSST/WSST IS EN54-23**  
- Wall mount sounder and strobe - Visual Alarm Device (VAD)  
- Two sound levels - LOW: 80-88dB, HIGH: 92-98dB  
- 32 tone types selectable from the panel  
- Supports Teletek Electronics protocol  
- Loop synchronization for better alarm signal  
- Loop powered  
- Color - red cap (RAL 3020), white transparent body  
- Available in version with built-in isolator (SensoIRIS WSST IS EN54-23)  
- Compatible with standard bases B124 and B124-HP  
- Compatible with deep base accessory DeepBase W  
- Available in version with built-in isolator (SensoIRIS WSST IS EN54-23)  
- IP21C, type A  
- Coverage volume: Open class

**SensoIRIS WS/WS IS**  
- Wall mount sounder and strobe  
- Two sound levels - LOW: 80-88dB, HIGH: 92-98dB  
- 32 tone types selectable from the panel  
- Supports Teletek Electronics protocol  
- Loop synchronization for better alarm signal  
- Loop powered  
- Color - red, transparent  
- Available in version with built-in isolator (SensoIRIS WS IS)  
- Compatible with standard bases B124 and B124-HP  
- Compatible with deep base accessory DeepBase R  
- IP43C, type B
ADDRESSABLE
SOUNDERS/STROBES

SensoIRIS WSB IP65
- Waterproof protected deep base
- Wall mounting
- SensoIRIS B124 standard base factory mounted
- Installation wires - 3mm²
- Cable glands and o-ring protected sealant
- IP65 according EN 60529
- Compatible with Belinda WSxx wall sounders
- Compatible with SensoIRIS WSxx wall sounders

EN 54-13

Color models

<table>
<thead>
<tr>
<th>Color</th>
<th>BSOU</th>
<th>BSOU IS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAL9016 (White)</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>RAL9005 (Black)</td>
<td>✗</td>
<td>✓</td>
</tr>
</tbody>
</table>

SensoIRIS BSOU/BSOU IS
- Base with built-in sounder, compatible with SensoIRIS detector series
- Suitable for wall or ceiling mounting
- Two sound levels - LOW: 82-92dB; HIGH: 100-103dB
- 32 tone types selectable from the panel
- Supports Teletek Electronics protocol
- Loop synchronization for better alarm signal
- Loop powered
- Available in version with built-in isolator (SensoIRIS BSOU IS)
- Compatible with deep base accessory DeepBase W
- IP21C, type A
- Optional cover when the base is used only as a sounder

EN 54-3
EN 54-17
EN 54-13

SensoIRIS BSST/BSST IS
- Base with built-in sounder and strobe, compatible with SensoIRIS detector series
- Two sound levels - LOW: 82-92dB; HIGH: 100-103dB
- 32 tone types selectable from the panel
- Supports Teletek Electronics protocol
- Loop synchronization for better alarm signal
- Loop powered
- Color - white, transparent
- Available in version with built-in isolator (SensoIRIS BSST IS)
- Compatible with deep base accessory DeepBase W
- IP21C, type A
- Optional cover when the base is used only as a sounder

EN 54-3
EN 54-17
EN 54-13

Sounder Plastic Cover Set
- Protective plastic cover
- For application with bases SensoIRIS BSxx when the device is used only as a sounder
- Set of 5 pcs. protective plastic cover for sounders

SensoIRIS WSB IP65
- Waterproof protected deep base
- Wall mounting
- SensoIRIS B124 standard base factory mounted
- Installation wires - 3mm²
- Cable glands and o-ring protected sealant
- IP65 according EN 60529
- Compatible with Belinda WSxx wall sounders
- Compatible with SensoIRIS WSxx wall sounders

EN 54-13

DeepBase W
- Deep base accessory
- Color - white (RAL 9016)
- Application for mounting on rough surfaces, pipelines, floating ceilings
- Compatible with SensoMAG and SensoIRIS detectors; SensoIRIS WSXX/BSXX sounders; Belinda WSxx sounders; SF100 WSST/WSND sounders; Hera WSST/WSND sounders

DeepBase R
- Deep base accessory
- Color - red (RAL 3020)
- Application for mounting on rough surfaces, pipelines, floating ceilings
- Compatible with SensoIRIS WSXX sounders, SF100 RSST/RSND and Hera RSST/RSND sounders
CONVENTIONAL FIRE ALARM SYSTEMS
## MAG SERIES
### CONVENTIONAL PANELS

### MAG2  MAG4  MAG8  MAG8Plus

<table>
<thead>
<tr>
<th>Zone Expander</th>
<th>Sounder Expander</th>
<th>LOG Module</th>
<th>Relay Expander</th>
<th>Battery</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>1x12V/7Ah</td>
<td>EN 54-2/4</td>
</tr>
</tbody>
</table>

### Zones
- MAG2: 2 zones
- MAG4: 4 zones
- MAG8: 8 zones
- MAG8Plus: 8-16 zones

### Devices
- 32 per zone*

### Double Knock
- MAG2: ✗
- MAG4: ✗
- MAG8: ✓
- MAG8Plus: ✓

### Sounder Output
- MAG2: 2 (0.3A)
- MAG4: 2 (0.3A)
- MAG8: 2 (0.5A)
- MAG8Plus: 4 (0.3A)

### Fire Relay
- ✓

### Fault Relay
- ✓

### AUX Output
- Yes (0.3A)

### Sounder Delays
- ✗

### Instant Zone
- ✗

### Indication LED
- LED

### Access Protection
- Key

### Plastic Box/Metal Box
- ✓/✗

### Zone Expander
- ✗

### Sounder Expander
- ✗

### LOG Module
- ✗

### Relay Expander
- ✗

### Battery
- 1x12V/7Ah

### Standard
- EN 54-2/4

* *with SensoMAG detectors*
MAG2 and MAG4 are conventional fire detection and indication panels certificated by EN 54-2/4. MAG2 maintains 2 fixed zones with fire detectors and call points; MAG4 maintains 4 fixed zones.

The MAG2 and MAG4 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.

### Functional Features

**MAG2**

- Zones: 2 fixed zones
- Devices per zone: 32
- Back-up battery: 1, 12V/7Ah
- Active EOL for continuous monitoring of inputs: ✓
- Sounder outputs: 2, monitored, 0.3A each
- AUX output: 24VDC/0.3A fuse
- Multi language support: ✓
- Enclosure box:
  - MAG2P: Plastic
  - MAG2: Metal
- Secure access: Key

### 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): 2.7kg (m); 2.1kg (p)
- Dimensions of the metal box: 200x290x80mm
- Dimensions of the plastic box: 340x290x100mm

**MAG4**

- Zones: 4 fixed zones
- Devices per zone: 32
- Back-up battery: 1, 12V/7Ah
- Active EOL for continuous monitoring of inputs: ✓
- Sounder outputs: 2, monitored, 0.3A each
- AUX output: 24VDC/0.3A fuse
- Multi language support: ✓
- Enclosure box:
  - MAG4P: Plastic
  - MAG4: Metal
- Secure access: Key

### 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): 3.5kg (m); 2.1kg (p)
- Dimensions of the metal box: 320x220x80mm
- Dimensions of the plastic box: 340x290x100mm
MAG8 is a conventional fire detection and indication panel certificated by EN 54-2/4. MAG8 maintains 8 fixed zones with fire detectors and call points. MAG8 panel has small size, handy cabinet, internal self-testing for technical faults. The programming is simple by means of jumpers. Easy for installation and maintenance, user-friendly and simple operation - that makes the MAG fire panels suitable for home, small and middle office applications.

**Functional Features**

- **Zones:** 8 fixed zones
- **Devices per zone:** 32
- **Back-up battery:** 1, 12V/7Ah
- **Active EOL for continuous monitoring of inputs:** ✓
- **Sounder outputs:** 2, monitored, 0.5A each
- **AUX output:** 24VDC/0.3A fuse
- **Multi language support:** ✓
- **Enclosure box:** Plastic
- **Double knock mode:** ✓
- **Sounders delay:** 1-10 min, Programmable
- **Secure access:** Key

**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

**ML LOG Module**

- Recording and viewing of events
- Compatible with MAG8*
- Memory for 8190 events
- Operation keypad with 4 buttons
- LCD display with backlight
- Multi language menus

* 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.

**MR 8**

- 8 relay expander module
- Compatible with MAG8
- 1A/12V or 0.5A/24V
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 EN 54-2/4. 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 programming is simple by means of jumpers.

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

Functional Features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zones</td>
<td>8, expandable to 16</td>
</tr>
<tr>
<td>Devices per zone</td>
<td>32</td>
</tr>
<tr>
<td>Back-up battery</td>
<td>1, 12V/18Ah</td>
</tr>
<tr>
<td>Active E0L for continuous monitoring of inputs</td>
<td>✓</td>
</tr>
<tr>
<td>Sounder outputs</td>
<td>4, monitored, 0.3A each</td>
</tr>
<tr>
<td>AUX output</td>
<td>24VDC/0.3A fuse</td>
</tr>
<tr>
<td>Multi language support</td>
<td>✓</td>
</tr>
<tr>
<td>Enclosure box</td>
<td>Plastic</td>
</tr>
<tr>
<td>Double knock mode</td>
<td>✓</td>
</tr>
<tr>
<td>Sounders delay</td>
<td>1-10 min, Programmable</td>
</tr>
<tr>
<td>Secure access</td>
<td>Key</td>
</tr>
</tbody>
</table>

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
- Recording and viewing of events
- Built-in mounting in MAG8Plus
- Memory for 8190 events
- Operation keypad with 4 buttons
- LCD display with backlight
- Multi language menus

MS 4
- 4 sounder outputs expander module

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

ME 4
- 4 zone expander module

EN 54-2/4
**IVY 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 EN 54-2/4 and EN 12094-1 standards. The panel is designed for using together with systems for gas, powder, aerosol, water and other types of active extinguishing.

IVY has 3 hard wired 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.

**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: | 2, 0.3A each |
| Extinguishing output: | 1A@5min/3A@20ms |
| Inputs: (monitored) | 6 |
| Inputs: (non-monitored, relay) | 3 |
| Inputs, OC type: (non-monitored) | 4 |
| Display: | 2-digit, 7-segment, LED |

**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 (without batteries): 324x314x82mm

**Enclosure box:** Metal

---

**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

**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 F10**
- Fixed heat detector
- Detects temperatures over 60°C, class A2/S (SensoMAG F10A)
- Detects temperatures over 75°C, class B/S (SensoMAG F10B)
- Digital processing algorithm
- Low profile design
- LED indication with 360° visibility
- Sensor status indication on every 8 seconds
- Compatible with standard bases B24, B24-HP, B24D, B24RD, B12L/U
- Compatible with deep base accessory DeepBase W

**SensoMAG R20**
- Rate-of-rise heat detector
- Detects temperatures above 58°C or rapid change in temperature for a period of time, class A1/R
- Digital processing algorithm
- Low profile design
- LED indication with 360° visibility
- Sensor status indication on every 8 seconds
- Compatible with standard bases B24, B24-HP, B24D, B24RD, B12L/U
- Compatible with deep base accessory DeepBase W

**SensoMAG S30**
- Optical-smoke detector
- Auto compensation
- Digital processing algorithm
- Low profile design
- LED indication with 360° visibility
- Sensor status indication on every 8 seconds
- Rubber gasket ring for increased protection of the smoke chamber
- Compatible with standard bases B24, B24-HP, B24D, B24RD, B12L/U
- Compatible with deep base accessory DeepBase W

**SensoMAG M40**
- Combined detector (Optical-smoke and Rate-of-rise), class A1/R
- Auto compensation
- Digital processing algorithm
- LED indication with 360° visibility
- Sensor status indication on every 8 seconds
- Rubber gasket ring for increased protection of the smoke chamber
- Compatible with standard bases B24, B24-HP, B24D, B24RD, B12L/U
- Compatible with deep base accessory DeepBase W
<table>
<thead>
<tr>
<th>Model</th>
<th>Features</th>
</tr>
</thead>
</table>
| SensoMAG F10 RL | • Fixed heat detector  
• Built-in relay 80mA  
• Detects temperatures over 60°C, class A2/S  
• Digital processing algorithm  
• Low profile design  
• LED indication with 360° visibility  
• Sensor status indication on every 8 seconds  
• Compatible with standard bases B24 and B24-HP  
• Compatible with deep base accessory DeepBase W |
| SensoMAG R20 RL | • Rate-of-rise heat detector  
• Built-in relay 80mA  
• Detects temperatures above 58°C or rapid change in temperature for a period of time, class A1/R  
• Digital processing algorithm  
• Low profile design  
• LED indication with 360° visibility  
• Sensor status indication on every 8 seconds  
• Compatible with standard bases B24 and B24-HP  
• Compatible with deep base accessory DeepBase W |
| SensoMAG S30 RL | • Optical-smoke detector  
• Built-in relay 80mA  
• Auto compensation  
• Digital processing algorithm  
• Low profile design  
• LED indication with 360° visibility  
• Sensor status indication on every 8 seconds  
• Rubber gasket ring for increased protection of the smoke chamber  
• Compatible with standard bases B24 and B24-HP  
• Compatible with deep base accessory DeepBase W |
| SensoMAG M40 RL | • Combined detector (Optical-smoke and Rate-of-rise)  
• Built-in relay 80mA  
• Class A1/R  
• Auto compensation  
• Digital processing algorithm  
• LED indication with 360° visibility  
• Sensor status indication on every 8 seconds  
• Rubber gasket ring for increased protection of the smoke chamber  
• Compatible with standard bases B24 and B24-HP  
• Compatible with deep base accessory DeepBase W |
SensoMAG B24
- Standard 24V base for SensoMAG detectors
- Low profile design
- Compatible with fire panels with alarm state current up to 15mA
- Dimensions 102x18mm

SensoMAG B24-HP
- Standard 24V base for SensoMAG detectors
- High profile design
- Suitable for mounting on rough surfaces
- Detects removal of detector from base
- Compatible with fire panels with alarm state current up to 15mA
- Dimensions 105x25mm

SensoMAG B24D
- Standard 24V base with Schottky diode for SensoMAG detectors
- Low profile design
- Detects removal of detector from base
- Compatible with fire panels with alarm state current up to 15mA
- Dimensions 102x18mm

SensoMAG B24RD
- Standard 24V base with Schottky diode and increased alarm state current for SensoMAG detectors
- Low profile design
- Detects removal of detector from base
- Compatible with fire panels with alarm state current from 45mA and higher
- Dimensions 102x18mm

SensoMAG B12L/U
- Relay 12V base
- Low profile design
- For application in intruder alarm system
- Latched/Unlatched mode
- Dimensions 102x18mm
SENSOMAG
CONVENTIONAL CALL POINTS

SensoMAG MCP50

- Manual call point
- Surface mounting
- Resettable flexible element
- LED indication
- Special test tool for resetting after alarm event
- Optional protective plastic cover
- IP40

SensoMAG MCP50 IP67

- Waterproof protected manual call point
- Surface mounting
- Resettable flexible element
- Type (according to EN 54-11) - A
- LED indication
- Special test tool for resetting after alarm event
- Protective plastic cover
- Cable glands and o-ring protected sealant
- IP67 according EN 60529

Call Point Plastic Cover Set

- Set of 5 pcs. protective plastic cover for manual call-points
- Compatible with SensoMAG MCP50 and SensoMAG MCP50 IP67
## SOUNDERS
### CONVENTIONAL

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Features</th>
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</table>
| SF 50 | Indoor fire alarm sounder | - Piezo sounder  
- Sound output - 102dB  
- LED strobe  
- Plastic case  
- Power supply - 24V  
- Two-wire connection  
- Current - 75mA  
- Color - red  
- EN 54-3 |
| SF 100 WSST | Indoor fire alarm wall sounder and strobe | - Piezo sounder  
- LED strobe  
- Two sound levels: High - 100dB; Low - 92dB  
- Low profile design  
- Max. consumption 25mA@24VDC  
- 32 Sound types  
- 2 Outputs for evacuation and fire alarm  
- Two-wire connection  
- Color - white, transparent  
- Compatible with deep base accessory DeepBase W  
- EN 54-3/23 |
| SF 100 RSST | Indoor fire alarm wall sounder and strobe | - Piezo sounder  
- LED strobe  
- Two sound levels: High - 100dB; Low - 92dB  
- Low profile design  
- Max. consumption 25mA@24VDC  
- 32 Sound types  
- 2 Outputs for evacuation and fire alarm  
- Two-wire connection  
- Color - red, transparent  
- Compatible with deep base accessory DeepBase R  
- EN 54-3 |
| SF 100 RSND | Indoor fire alarm sounder | - Piezo sounder  
- Two sound levels: High - 100dB; Low - 92dB  
- Low profile design  
- Max. consumption 22mA@24VDC  
- 32 Sound types  
- 2 Outputs for evacuation and fire alarm  
- Two-wire connection  
- Color - red  
- Compatible with deep base accessory DeepBase R  
- EN 54-3 |
| SF 100 WSND | Indoor fire alarm sounder | - Piezo sounder  
- Two sound levels: High - 100dB; Low - 92dB  
- Low profile design  
- Max. consumption 22mA@24VDC  
- 32 Sound types  
- 2 Outputs for evacuation and fire alarm  
- Two-wire connection  
- Color - white  
- Compatible with deep base accessory DeepBase W  
- EN 54-3 |
SOUNDERS
CONVENTIONAL

Hera 100 WSST
- Indoor fire alarm wall sounder and strobe
- Piezo sounder, LED strobe
- Sound level: 95-104dB
- Low profile design
- Max. consumption 85mA@24VDC
- Two-wire connection
- Color - white, transparent
- Compatible with deep base accessory DeepBase W

Hera 100 RSST
- Indoor fire alarm wall sounder and strobe
- Piezo sounder, LED strobe
- Sound level: 95-101dB
- Low profile design
- Max. consumption 85mA@24VDC
- Two-wire connection
- Color - red, transparent
- Compatible with deep base accessory DeepBase R

Hera 100 RSND
- Indoor fire alarm sounder
- Piezo sounder
- Sound level: 102dB
- Low profile design
- Max. consumption 55mA@24VDC
- Two-wire connection
- Color - red
- Compatible with deep base accessory DeepBase R

Hera 100 WSND
- Indoor fire alarm sounder
- Piezo sounder
- Sound level: 102dB
- Low profile design
- Max. consumption 55mA@24VDC
- Two-wire connection
- Color - white
- Compatible with deep base accessory DeepBase W

SF 200
- Outdoor fire alarm sounder
- LED strobe
- 1 status indicator
- Sound output - 96dB
- Power supply - 20-30VDC
- Plastic case
- IP54 protection for the electronic part
- Current consumption - <17mA@24V
- Color - red

SF 300
- Outdoor fire alarm sounder
- IP44 protection for the electronic part
- Type B
- LED strobe
- Two piezo sounders
- Sound output - 95dB@1m
- Power supply - 20-30VDC
- Plastic case
- Current consumption - <28mA@24VDC
- Color - red
ACCESSORIES
FIRE ALARM SYSTEMS

FRL-1
- Remote 24V fire indicator
- Repeats the status of 1 or several fire detectors (up to 3 SensoMAG or SensoIRIS detectors)
- 1 input
- Complies with EN 54-23

DeepBase W
- Deep base accessory
- Color - white (RAL 9016)
- Application for mounting on rough surfaces, pipelines, floating ceilings, etc
- Compatible with SensoMAG detectors, SensoIRIS detectors, SensoIRIS WSxx and BSxx sounders, Belinda WSxx sounders, SF100 WSST/WSND and Hera WSST/WSND sounders

DeepBase R
- Deep base accessory
- Color - red (RAL 3020)
- Application for mounting on rough surfaces, pipelines, floating ceilings, etc
- Compatible with SensoIRIS WSxx sounders, SF100 RSST/RSND and Hera WSST/WSND sounders

Fireray One
- Reflective smoke beam detector
- Auto-alignment protocol
- Operating voltage: 14 - 36VDC
- Operating current: 5mA
- Low current consumption
- Signal output: Individual Alarm and Fault relays (VFCO) 2A @ 30 VDC
- Operating distance: 5 - 120m (for 5-50m - one reflector is required; for 50-120m - 4 reflectors are required)
- Suitable for installation into large and small places
- IP55
- Certified to EN 54-12

MAG8Plus FLM Kit
- Kit for flush mounting
- For use on 25 mm thick dry wall
- Includes: 2 hangers, mounting screws
- Compatible with MAG8Plus

IRIS FLM Kit
- Kit for flush mounting
- For use on 25 mm thick dry wall
- Includes: metal bottom and decorative metal frame, mounting screws
- Color grey, RAL7011
- Compatible with IRIS PRO, IRIS8 S

PS2410
- Power supply unit
- 24 VDC/1A
- Metal box
- Transformer
- Complies with EN54-4

SB-U
- Universal small plastic box
- For application with ML log memory module in installation with MAG8 fire alarm panel
- Transparent cover for easy visual inspection
ProsTE is a software package for programming of Teletek Electronics intruder and fire alarm panels. The software allows fast and user-friendly programming.

ProsTE Advantages
- 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 for mistakes during programming
- No need to remember addresses or use programming manuals
- Download and update available at www.teletek-electronics.com
- Multi language support
- Help wizard

Supported products
- Eclipse 8/8+/16/32/99
- BRAVO Wireless panel
- IRIS
- iRIS8
- SIMPO
- IRIS/SIMPO Repeater
- ARGUS
- TTE GPRS Standard
- TTE GPRS Simple
- TTE LAN
- TTE Combo
- TP2000 (ver. 8.xx)
Observer is a software application for monitoring of sites equipped with burglary or fire alarm panels produced by Teletek Electronics JSC.

**Functional Specifications**
- Supported panels for operation: ECLIPSE Series, IRIS Series, SIMPO, BRAVO
- Supports up to 64 panels ECLIPSE, BRAVO, IRIS and SIMPO - up to 1000 devices per IRIS panels, up to 500 devices per SIMPO panel, up to 30 devices per ECLIPSE panel (depends on the panel’s model), up to 16 devices per BRAVO panel
- Monitors the condition and state of SensoIRIS fire detectors (Alarm, Normal, Fault) and Area(s) in ECLIPSE/BRAVO panels
- Shows full information about the fire detector in alarm state - zone, name, etc
- Monitors faults in the panel - Low Batt, AC Loss, etc
- Allows control over the Fire alarm panel - silence buzzer, silence sounders, evacuation, reset
- Allows control over the ECLIPSE/BRAVO alarm panel - Arming /Full, Stay, Sleep/, Disarming, Zone Bypass, PGM outputs switch ON/OFF
- Allows import of architectural plans and pictures on which the detectors are placed (JPG, BMP, PNG, TIF, GIF)
- Keeps printable event log
- Signals visually and audibly in case of alarm or fault
- ModBus protocol included

**Observer Advantages**
- Integrated video verification with third-party video systems
- Direct ProsTE files import (Device name, zone name, panel name and panel IP address)
- Devices Drag and drop placement
- Panels control
- Minimum programming
- Simple and User Friendly Interface
- Windows 7/8.1/10 support
- Multi language support
- Protection by means of password and hardware key (Dongle)
- Event audio signalization