

FIRE DETECTION



ELKRON. THE HI-PROTECTION COMPANY

ELKRON

OPTICAL- ACOUSTIC INDICATORS POWER SUPPLY BATTERIES

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OPTICAL-ACOUSTIC INDICATORS

PANELS

Optical Acoustic Panels

TM24 cod. FH2600121

• **Optical/acoustic signalling single face panel**

- Power supply : 12 – 24 Vdc
- Max consumption: 100 mA
- Lighting by high efficiency leds
- Buzzer sound pressure: 85dB at 1m
- Steady/flashing light, selectable
- Continuous/intermittent sound, selectable
- Protection against polarity reverse
- Working temperature: -10°C ÷ + 50°C
- Material: self-extinguishing ABS, class VO
- Protection: IP 40
- The following pictographs are available as standard: Fire alarm, Withdraw from premises, Extinguishing in progress, Gas alarm, Fire alarm.



TM24

TB24 cod. FH2700121

• **Optical/acoustic signalling double face panel**

- Power supply : 12 – 24 Vdc
- Max consumption: 100 mA
- Lighting by high efficiency leds
- Buzzer sound pressure: 85dB at 1m
- Steady/flashing light, selectable
- Continuous/intermittent sound, selectable
- Protection against polarity reverse
- Working temperature: -10°C ÷ + 50°C
- Material: self-extinguishing ABS, class VO
- Protection: IP 40
- The following pictographs are available as standard: Fire alarm, Withdraw from premises, Extinguishing in progress, Gas alarm, Fire alarm.



TB24

SPTB cod. SF5000121

• **Bracket for optical/acoustic signalling double face panel TB24**

TM220 cod. FH2800121

• **230Vac self-powered optical/acoustic signalling single face panel**

- Power supply : 230Vac
- Max consumption: 100 mA
- Lighting by high efficiency leds
- Buzzer sound pressure: 85dB at 1m
- Steady/flashing light, selectable
- Continuous/intermittent sound, selectable
- Protection against polarity reverse
- Buffer battery: 3.6 V 1.5Ah Ni-Cd
- Alarm endurance: 1 hour
- Working temperature: -10°C ÷ + 50°C
- Material: self-extinguishing ABS, class VO
- Protection: IP 40
- The following pictographs are available as standard: Fire alarm, Withdraw from premises, Extinguishing in progress, Gas alarm, Fire alarm.



TM220



OPTICAL-ACOUSTIC INDICATORS

PANELS

Optical Acoustic Panels

TM224 cod. FH3100121

24Vdc self-powered optical/acoustic signalling double face panel

- Power supply : 24Vdc
- Max consumption: 100 mA
- Lighting by high efficiency leds
- Buzzer sound pressure: 85dB at 1m
- Steady/flashing light, selectable
- Continuous/intermittent sound, selectable
- Protection against polarity reverse
- Buffer battery: 3.6 V 1.5Ah Ni-Cd
- Alarm endurance: 1 hour
- Working temperature: -10°C ÷ + 50°C
- Material: self-extinguishing ABS, class VO
- Protection: IP 40
- The following pictographs are available as standard: Fire alarm, Withdraw from premises, Extinguishing in progress, Gas alarm, Fire alarm.



TM224

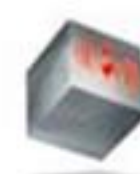
TMSV cod. FH5400121

Single-face optical/sound plate with speech synthesizer

- Power supply: 24Vdc
- Absorption: 180 mA
- 8 pre-recorded messages
- 3 voice alarm zones
- free combination of pre-recorded messages
- 1 customized message
- 4 operating modes: SPEECH - SOUND - SOUND + SPEECH - SPEECH + SOUND
- Dimensions (L) x (H) x (D) mm: 365 x 180 x 50



TMSV



OPTICAL-ACOUSTIC INDICATORS

VISUAL REPEATERS

Outdoor visual repeaters

LR500 cod. SR1100121

Outdoor visual repeater

- Visual repeater allowing to show the alarm status of a detector installed in hidden spaces. Suitable for all ELKRON detectors with ZB204 base or SD500R base.
- Power supply: 12 – 24Vdc
- Absorption: 11 mA
- Terminal connection
- Working temperature: $-10^{\circ}\text{C} \div + 55^{\circ}\text{C}$
- Weight: 30 g
- Protection: IP40
- Case material: ABS, class V0
- 2 high efficiency red leds
- Steady/flashing light, selectable
- Dimensions: 65.5 (L) x 60.6 (H) x 23.6 (D) mm



LR500

LR500SI cod. SR1200121

Outdoor visual repeater for FAP500 digital systems

- Visual repeater allowing to show the alarm status of a detector installed in hidden spaces and to indicate detector regular operation (green led flashing). Suitable for all ELKRON detectors with SD500R base. This repeater can only be used with FAP500 detectors.
- Power supply: 12 – 24Vdc
- Absorption: 11 mA
- Terminal connection
- Working temperature: $-10^{\circ}\text{C} \div + 55^{\circ}\text{C}$
- Weight: 30 g
- Protection: IP40
- Case material: ABS, class V0
- 2 high efficiency white leds
- 1 high efficiency green led
- Steady/flashing light, selectable
- Dimensions: 65.5 (L) x 60.6 (H) x 23.6 (D) mm



LR500SI



OPTICAL-ACOUSTIC INDICATORS

ELECTRONIC BELLS

Bells

4476/24 cod. HS7300123

Bell with classic appearance for fire alarm systems and other warnings.

- The internal movement with motor, pinion and striker, jointly with the external bell in steel produces a powerful sound with a low current consumption.
- Power supply: 24 Vdc
- Average absorption: 25 mA
- Sound pressure at 1 metre distance: 93/95 dB
- Operation temperature: -10°C ÷ +50°C
- Protection degree: IP 42



4476/24

4460/24 cod. HS1700123

Electronic bell with sophisticated appearance and innovative technology fully covered with polyurethane resin ensuring high protection and resistance degree.

- Maximum control of sound signal through 28 tones that can be selected during installation by 5 internal dip-switches and through volume control by trimmer.
- Installation is made simple by siren bayonet joint on siren base and by double pins allowing to shunt connections.
- Enclosure material: Thermoplastic body, red colour
- Power supply: 24 Vdc
- Average absorption: 16 mA
- Sound pressure at 1 metre distance: 102 dB
- Operation temperature: -10°C ÷ +70°C
- Protection degree: IP 54



4460/24

4479/24 cod. HS7200123

Electronic bell with sophisticated appearance and innovative technology for fire alarm systems and other warnings.

- Combining a miniaturised solenoid to a built-in control circuit, excellent acoustic performance, minimum current consumption and high reliability are allowed.
- Power supply doubled pins and cap latching make the bell particularly easy to be installed.
- IP 55 protection degree allows bell outdoor use; however, the bell can also be mounted in indoor environments.
- Power supply: 24 Vdc
- Average absorption: 30 mA
- Operation temperature: -10°C ÷ +55°C
- Sound pressure at 1 metre distance: 93-95 dB
- Protection degree: IP 55



4479/24

3465/24 cod. HS1900123

Piezoelectric sounder for indoor with xenon lamp

- Power Supply: 24Vcc.
- Absorption: 170 mA.
- Sound pressure at 1 m: 110 dB.
- Colour: red.



3465/24



OPTICAL-ACOUSTIC INDICATORS

SOUNDERS

HP500F cod. HS5000121

Outdoor red self-powered siren made in die-cast aluminium.

Provided with signalling flash with incandescent lamp.

- Operation voltage: 24 Vdc
- Protection degree: IP 43
- Sound pressure: 104 dB (A) at 3 mt distance
- Operation temperature: -25° C / +55° C
- Assignable accumulator: 12 V 2,1 Ah
- Dimensions (hxlxd): 265x210x65 mm.



HP500F

DSE/626 cod. HS2100123

Red siren for premises evacuation in compliance with with regulation 626/94. Two-tone alarm, xenon visual signalling.

- Operation voltage: 230 Vac
- Protection degree: IP 44
- Sound pressure: 104 dB (A) at 3 mt distance
- Operation temperature: -25° C / +55° C
- Assignable accumulator: 12 V 2,1 Ah
- Dimensions (hxlxd): 265x210x65 mm
- Weight: 2,1 Kg.



DSE/626

ELECTROMAGNETS

Electromagnetic Stop

1370/15 cod. MM7100123

Electromagnetic stop implemented in order to keep open fire or transit doors and release them in case of fire.

- The magnet has two mounting positions on magnet body and, by bracket provided (15 cm bracket), allows the stop to be installed both as a wall stop and as a floor stop. Complete with unlocking pushbutton. It is available a model with 30 cm bracket with code MM7300123.
- Hooking force: 50 kg, actual
- Working voltage: 24 Vdc
- Absorption: 65 mA
- Operation temperature: -10 °C to + 55 C°
- Weight: 1,2 Kg



1370/15

1370/30 cod. MM7300123

Same as 1370/15 with 30cm bracket.

EM50P cod. MM7000123

Door holder electromagnet with release button. Power 24 Vdc. Holding force 50 Kg.

EM100P cod. MM9000123

Door holder electromagnet with release button. Power 24 Vdc. Holding force 100 Kg.



EXPLOSION PROOF DEVICES

EXPLOSION PROOF DEVICES

BUTTON

P/406 cod. SB3000121

Manual fire alarm pushbutton, with explosion-proof casing, for areas with potentially explosive atmosphere.

- Emergency break glass hammer provided as standard. Pushbutton in die-cast material, red epoxy paint.
- Holes for cables: 2x3/4 gas thread.
- Classification: II 2GD EEx d IIB T6, EEx d IIB+H2 T6.
- Certification: CESI 03 ATEX 050.
- Working temperature: -20°C/+50°C.
- Weight: 1.1 Kg.



P/406

OPTICAL-ACOUSTIC INDICATORS

T/800 cod. FH3500121

The optical/acoustic system includes the body of siren T/800S and the body of visual repeater T/800L. These shells are made of a casting of cast iron G-20 uni 5007. The two bodies are connected to each other.

- Working voltage: 27 Vdc
- Alarm absorption: 180 mA
- Weight: 3 kg



T/800

T/800S cod. HS1800121

Siren made of a casting of cast iron G-20 uni 5007 with a diffusing cone of plastic material (ABS); inside the body there is placed an electronic circuit for acoustic activation.

- Working voltage: 27 Vdc
- Alarm absorption: 180 mA
- Sound level: 60 db at 1 mt at 24 V
- Protection degree: IP 65
- Weight: 3 kg



T/800S

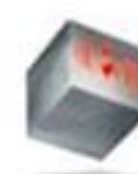
T/800L cod. SRO200121

Visual repeater made up of a shell made of a casting of cast iron G-20 uni 5007. The body of the visual repeater is provided with a gem on cover cap of unbreakable (polycarbonate) material.

- Inside the body there are placed a bakelite lamp holder and a 30 Volt 5 Watt lamp; on the lamp holder there are arranged the pins for connecting repeater activation system.
- Working voltage: 10,5 to 36 Vdc
- Alarm absorption: 200 mA
- Protection degree: IP 65
- Weight: 3 kg



T/800L



POWER SUPPLY UNITS AND BATTERIES

POWER SUPPLY UNITS AND BATTERIES

POWER SUPPLY UNITS

82425 SBG cod. PS7900123

Power supplier with 27.6 V output voltage in switching version and current 2.5 A.

- High protection degree against overload, polarity inversions, short circuit. Power supplier status is signalled by 4 external leds: network in (Green) led, battery charger functionality (Green) led, battery down (Red) led, failure (Red) led. Provided with key for opening and closing the front lid.
- Primary power supply: 230 Vac
- Protection degree: IP 30
- Operation temperature: +5 °C to +40 °C
- EN 54-4 certified

82450 BG cod. PS8000123

Power supplier with 27.6 V output voltage in switching version and current 5 A

- High protection degree against overload, polarity inversions, short circuit. Power supplier status is signalled by 4 external leds: network in (Green) led, battery charger functionality (Green) led, battery down (Red) led, failure (Red) led. Provided with key for opening and closing the front lid.
- Primary power supply: 230 Vac
- Protection degree: IP 30
- Operation temperature: +5 °C to +40 °C
- EN 54-4 certified

BATTERIES

RB06 cod. RBO410113

12 V 7,2 Ah Water Proof rechargeable battery

RB12 cod. RBO210113

6 V 1,3 Ah Water Proof rechargeable battery.

RB 19 cod. RBO310113

12 V 2,2 Ah Water Proof rechargeable battery.

RB 15 cod. RBO810113

12 V 18 Ah Water Proof rechargeable battery.

RB 24 cod. RBO510113

12 V 26 Ah Water Proof rechargeable battery.

RB 612 cod. RBO910113

6 V 12 Ah Water Proof rechargeable battery.

RB 1212 cod. RB1110113

12 V 12 Ah Water Proof rechargeable battery.

