M-LINE on uusi tuoteperhe jokaiseen sovellukseen!
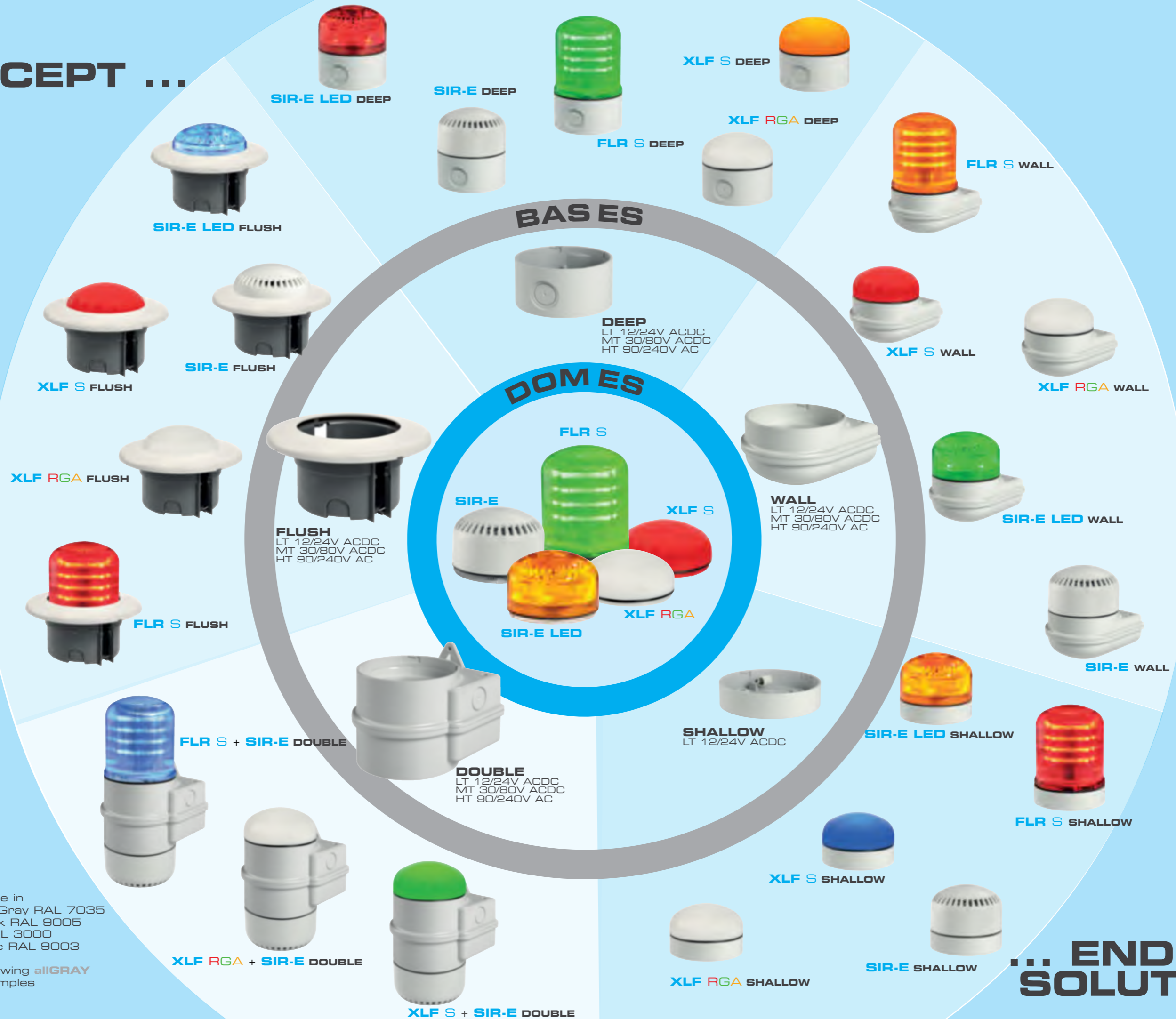
Murrin avaintoimittaja Sirenan uutuustuoteperhe M-Line on häikäisevän nerokas! Hälytysvalo- ja hälyssireenikomponentit ovat täysin räätälöitävissä tarpeidenne mukaan. Kaikki alustaosat ovat yhteensopivia valo- ja äänikupujen kanssa. Äänitasot ja valoefektit vaihtuvat helposti dip-kytkintä säätämällä.

M-Line kustannustehokkaat LED-tuotteet ovat nopeita asentaa, koko modulaarinen tuoteperhe on ulkoasenteinen (lämpötila alkaen – 30 °C! IP65-tiivis) ja ääntä lähtee tarvittaessa jopa 105 dB.

Lisätietoja tuotteista saatte Murrin teknisestä myynnistä, oman alueenne myynnistä vastaavalta sekä osastoltamme B-261 Jyväskylän Sähkö, Tele, Valo ja AV 2012 –messuilla 1.-3.2.2012.

SIRENA s.p.A.

ONE CONCEPT ...

BASES

DOMES

SIR-E LED DEEP

SIR-E DEEP

FLR S DEEP

XLF S DEEP

XLF RGA DEEP

FLR S WALL

SIR-E LED FLUSH

XLF S WALL

XLF RGA WALL

XLF S FLUSH

SIR-E FLUSH

DEEP
LT 12/24V ACDC
MT 30/80V ACDC
HT 90/240V AC

XLF RGA FLUSH

FLR S

FLUSH
LT 12/24V ACDC
MT 30/80V ACDC
HT 90/240V AC

SIR-E

XLF S

WALL
LT 12/24V ACDC
MT 30/80V ACDC
HT 90/240V AC

SIR-E LED WALL

FLR S FLUSH

XLF RGA

SIR-E LED

SIR-E WALL

FLR S + **SIR-E** DOUBLE

SHALLOW
LT 12/24V ACDC

SIR-E LED SHALLOW

DOUBLE
LT 12/24V ACDC
MT 30/80V ACDC
HT 90/240V AC

FLR S SHALLOW

XLF S SHALLOW

XLF RGA + **SIR-E** DOUBLE

All bases available in
allGRAY - Light Gray RAL 7035
allBLACK - Black RAL 9005
allRED - Red RAL 3000
allWHITE - White RAL 9003

Chart above showing **allGRAY**
combination examples

SIR-E SHALLOW

XLF RGA SHALLOW

XLF S + **SIR-E** DOUBLE

... ENDLESS SOLUTIONS

MLINE

Four product ranges to guarantee maximum adaptability for the needs of the end-users

MLINE modular range allows installing any of the multifunctional modules on each of the modular bases. The number of applications for **M**LINE are endless; the high quality of the products, together with the modular and multifunctional technologies allow these products to be installed in Industrial, Civil, Fire Alarm and Commercial sectors.

Sirena understands that each industry follows precise rules and requirements and has created four color lines to better allow end users and professionals to benefit from highly customizable products, to the point that each device can be considered tailor-made for each application.

Sirena's product are engineered to fulfill end-users requirements, not vice-versa... welcome to the MLINE **world...**

all**GRAY**
Industrial

allGRAY range has been developed to fulfill the Industrial sector requirements. Its light gray color (RAL 7035) allows to install **M**LINE products without interfering with the rest of the installation, remaining in line with the typical coloring of connection boxes, enclosures, panels, etc. allowing Professionals to deliver an added value to their job

all**BLACK**
Industrial

allBLACK range allows to satisfy all those requests from the Industrial sector where black color is required. This range (RAL 9005) allows preserving the aesthetic of existing installations where black color is present. allBLACK is also the ideal choice for Machine Builders looking for a device which is unique, elegant and functional, preserving the added value of their important projects

all**RED**
Fire Alarm

allRED range has been developed to satisfy all requirements from the Fire Alarm industry where red color is very often a fixed requirement. allRED (RAL 3000) range complements with class and elegance the existing fire alarm installations guranteeing top functionality and the best aesthetics on the market
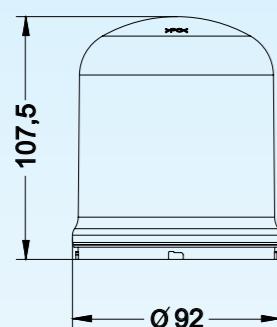
all**WHITE**
Civil

allWHITE range has been developed to specifically satisfy aesthetic requirements from the Civil and Commercial installations industry. These devices are extremely pragmatic, elegant and multifunctional, allowing being discretely installed increasing aesthetics while preserving all added values created by architects and design teams. Available in white (RAL 9003), this range is also indicated for Machine Builders that see their products destined to civil or commercial environments

FLR S

Multifunctional LED beacon with high optical performances. Developed with a multilevel technology, the device allows three separate lighting effects (steady, rotating, flashing) controllable via separate electric contacts.

KEY CHARACTERISTICS
- **Multifunction:** 3 separate functions (Steady, Rotating and Flashing) controllable independently via separate electric contacts
- **High optical performances**
  - **Steady:** a deep and rich light source ideal for attracting attention yet without disturbing
  - **Flashing:** a triple-flash strobe effect ideal for all applications where an immediate attention gain is mandatory
  - **Rotating:** a unique rotating effect which perfectly simulates the traditional rotating beacons yet without moving parts hence enormously enhancing product life time
- **Four colors available:** red, amber, green and blue
- **SMD LED technology:** longer lifetime and better resistance to vibrations
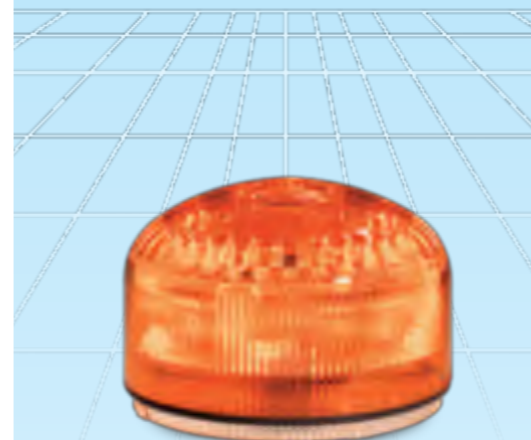- **High IP 65 rating:** also excellent for outdoor applications

MODULARITY
FLR S can be mounted on all **M**LINE modular bases that can be selected according to the following characteristics
- **Shape: SHALLOW** (ideal for flat surface mounting), **DEEP** (designed for surface mounting with pressure glands), **WALL** (designed for lateral/wall mounting), **FLUSH** (designed for flushmounted applications) and **DOUBLE** (designed for wall mounting of 2 **M**LINE devices)
- **Tension:** LT 12/24V ACDC, MT 30/80V ACDC, HT 90/240V AC
- **Color: allGRAY** (Industrial Light Gray RAL 7035), **allBLACK** (Industrial Black RAL 9005), **allRED** (Fire Alarm Red RAL 3000) and **allWHITE** (Civil/Commercial White RAL 9003)
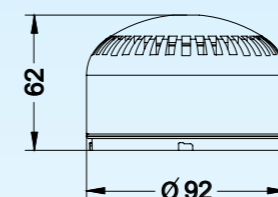
	LT base	MT base	HT base
V ⎓	12÷24	30÷80	-
V ∿			90÷240
mA	510 330	300 110	100 70

Flash/min. 0 / 3F: 85±10	**r.p.m.** 140±10	**IP** 65	
On ⋈	**°C** -30/50	**PC**	Self-extinguishing

107,5

Ø 92

CODES

90351	90352	90353	90354

Data sheet : Ref.**DS.FLRS.ENG.0512**

SIR-E LED

Multifunctional LED beacon-sounder that guarantees high optical performances as well as a high sound output. Developed with a multilevel technology, the device allows three separate levels of alarm (warning, alarm 1, alarm 2) controllable via separate electric contacts. SIR-E LED benefits from two light effects (steady, flashing) and 64 different sounds (selectable via 2 dip-switches).

KEY CHARACTERISTICS
- **Multifunction:** 3 separate functions (warning, alarm 1, alarm 2) controllable independently via separate electric contacts
- **High sound performances**
  - **First level of alarm:** a powerful triple-flash strobe effect that guarantees catching attention and warns operators of a potential danger or change of operating modes
  - **Second level of alarm:** a powerful triple-flash strobe effect combined with an up to 105 dB electronic sound, ideal for alerting staff of a danger or a serious change of operational circumstances (sound selectable via dip switch "A" out of 32 sounds)
  - **Third level of alarm:** a powerful steady light combined with an up to 105 dB electronic sound, ideal for alerting staff of a permanent change of operational circumstances (sound selectable via dip switch "B" out of 32 sounds)
- **Possibility of lowering the volume:** min. 65 dB circa
- **Multitone:** 64 sounds available, from fire alarm to civil tones
- **Four colors available:** red, amber, green and blue
- **SMD LED technology:** longer lifetime and better resistance to vibrations
- **High IP 65 rating:** also excellent for outdoor applications

MODULARITY
SIR-E LED can be mounted on all **M**LINE modular bases that can be selected according to the following characteristics
- **Shape: SHALLOW** (ideal for flat surface mounting), **DEEP** (designed for surface mounting with pressure glands), **WALL** (designed for lateral/wall mounting), **FLUSH** (designed for flushmounted applications) and **DOUBLE** (designed for wall mounting of 2 **M**LINE devices)
- **Tension:** LT 12/24V ACDC, MT 30/80V ACDC, HT 90/240V AC
- **Color: allGRAY** (Industrial Light Gray RAL 7035), **allBLACK** (Industrial Black RAL 9005), **allRED** (Fire Alarm Red RAL 3000) and **allWHITE** (Civil/Commercial White RAL 9003)
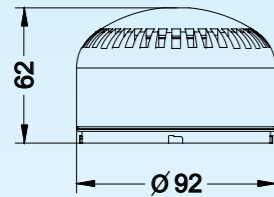
	LT base	MT base	HT base
V ⎓	12÷24	30÷80	-
V ∿			90÷240
mA	380 460	325 125	100 60
dB(A)1m max 105 dB			

Flash/min. 0 / 3F: 85±10	**On** ⋈	**IP** 65	
♪ 32 + 32	**°C** -30 +50	**PC**	Self-extinguishing

62

Ø 92

CODES

90361	90362	90363	90364

Data sheet: Ref.**DS.SIRELED.ENG.0512**

Multifunctional electronic sounder that guarantees a high sound output. Developed with a multilevel technology, the device allows two separate levels of alarm (warning, alarm) controllable via separate electric contact. SIR-E benefits from 64 different sounds (selectable via 2 dip-switches).

KEY CHARACTERISTICS

- **Multifunction:** 2 separate functions (warning, alarm) controllable independently via separate electric contacts
- **High sound performances**
    - **First level of alarm:** a powerful up to 105 dB electronic sound, ideal for alerting staff of a danger or a serious change of operational circumstances (sound selectable via dip switch "A" out of 32 sounds)
    - **Second level of alarm:** a powerful up to 105 dB electronic sound, ideal for alerting staff of a permanent change of operational circumstances (sound selectable via dip switch "B" out of 32 sounds)
- **Possibility of lowering the volume:** min. 65 dB circa
- **Multitone:** 64 sounds available, from fire alarm to civil tones
- **Four color available:** gray, white, red and black
- **High IP 65 rating:** also excellent for outdoor applications

MODULARITY

SIR-E can be mounted on all **M**LINE modular bases that can be selected according to the following characteristics

- **Shape: SHALLOW** (ideal for flat surface mounting), **DEEP** (designed for surface mounting with pressure glands), **WALL** (designed for lateral/wall mounting), **FLUSH** (designed for flushmounted applications) and **DOUBLE** (designed for wall mounting of 2 **M**LINE devices)
- **Tension:** LT 12/24V ACDC, MT 30/80V ACDC, HT 90/240V AC
- **Color: allGRAY** (Industrial Light Gray RAL 7035), **allBLACK** (Industrial Black RAL 9005), **allRED** (Fire Alarm Red RAL 3000) and **allWHITE** (Civil/Commercial White RAL 9003)
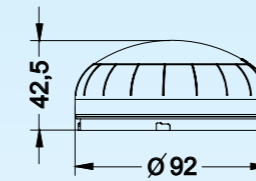
	LT base	MT base		HT base	
V ⎓	12÷24	30÷80		-	
V ∿				90÷240	
mA	240	280	150	70	60	35

(mA row values under columns: 240, 280 / 150, 70 / 60, 35)

dB(A)1m max 105 dB			

°C -30 + 50	On ⚡	IP 65
🔊 32 + 32	PC	Self-extinguishing

62
Ø 92

Flat LED multifunctional signaling device engineered to satisfy the most demanding applications. Developed on the bases of a modular technology, XLF S allows three different light effects (steady, blinking, strobe effect) controllable by separate electric contacts making this device the perfect choice for most applications.

XLF S utilizes a special combination of high-quality polymers with an opaline component which allows maximizing the optical output with an intense but diffused light output. Long-distance visibility is guaranteed by the centrally located intensity point allowing focusing on the device.

KEY FEATURES

- **Multifunctional:** 3 levels of alarm (steady, blinking, strobe effect) controllable independently via separate electric contacts
- **High optical performances**
    - **Steady light:** an intense and rich light output that allows gaining public attention yet without being disturbing
    - **Blinking light:** a constant blink ideal for signaling a change of operating conditions
    - **Strobe effect:** 5x flash (strobe effect) ideal for all applications where gaining public attention is a must
- **Four color available:** red, amber, green and blue
- **SMD LED technology:** higher resistance to vibrations allows to further increase product life
- **High IP 65 rating:** also excellent for outdoor applications
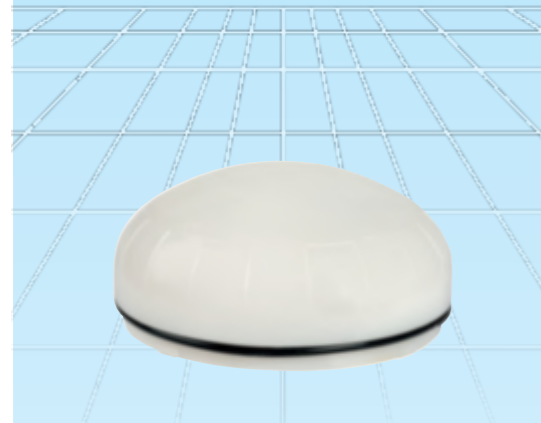
MODULARITY

XLF S can be mounted on all **M**LINE modular bases that can be selected according to the following characteristics

- **Shape: SHALLOW** (ideal for flat surface mounting), **DEEP** (designed for surface mounting with pressure glands), **WALL** (designed for lateral/wall mounting), **FLUSH** (designed for flushmounted applications) and **DOUBLE** (designed for wall mounting of 2 **M**LINE devices)
- **Tension:** LT 12/24V ACDC, MT 30/80V ACDC, HT 90/240V AC
- **Color: allGRAY** (Industrial Light Gray RAL 7035), **allBLACK** (Industrial Black RAL 9005), **allRED** (Fire Alarm Red RAL 3000) and **allWHITE** (Civil/Commercial White RAL 9003)
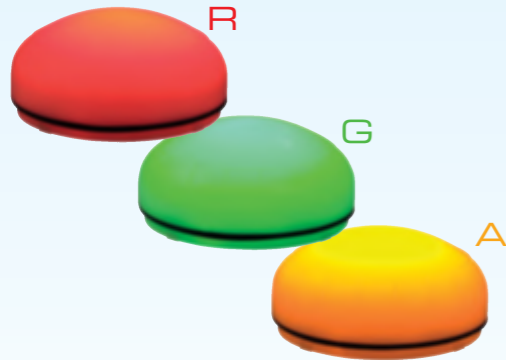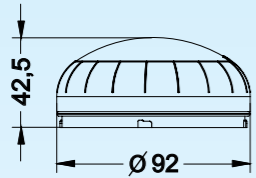
	LT base	MT base		HT base	
V ⎓	12÷24	30÷80		-	
V ∿				90÷240	
mA	300	270	240	100	80	50

(mA row values under columns: 300, 270 / 240, 100 / 80, 50)

Flash/min. 0 / 1F: 150±10 / 5F: 72±10	IP 65

On ⚡	°C-30+50	PC	Self-extinguishing

42,5
Ø 92

Flat LED multicolor signaling device engineered to satisfy the most demanding applications. Developed on the bases of a modular technology, XLF RGA allows three different colors (red, green, amber) controllable by separate electric contacts making this device the perfect choice for most applications.

XLF RGA utilizes a special combination of high-quality polymers with an opaline component which allows maximizing the optical output with an intense but diffused light output.

KEY FEATURES

- **Multicolor:** 3 levels of alarm (red, amber, green) selectable independently via separate electric contacts
- **Multifunction:** 2 separate functions (Steady and Flashing) controllable via dip-switch indipendently for each channel
- **High optical performances**
  - **Green:** the standard in signaling to indicate "all clear" or "normal operating conditions"
  - **Amber:** the standard for indicating a change of operating conditions or warning of a potential danger
  - **Red:** the standard for indicating a stop of the operating conditions or a real danger
- **SMD LED technology:** higher resistance to vibrations allows to further increase product life
- **High IP 65 rating:** also excellent for outdoor applications

MODULARITY

XLF RGA can be mounted on all **M**LINE modular bases that can be selected according to the following characteristics
- **Shape: SHALLOW** (ideal for flat surface mounting), **DEEP** (designed for surface mounting with pressure glands), **WALL** (designed for lateral/wall mounting), **FLUSH** (designed for flushmounted applications) and **DOUBLE** (designed for wall mounting of 2 **M**LINE devices)
- **Tension:** LT 12/24V ACDC, MT 30/80V ACDC, HT 90/240V AC
- **Color: allGRAY** (Industrial Light Gray RAL 7035), **allBLACK** (Industrial Black RAL 9005), **allRED** (Fire Alarm Red RAL 3000) and **allWHITE** (Civil/Commercial White RAL 9003)

	LT base		MT base		HT base	
V ===	12÷24		30÷80		-	
V ~					90÷240	
mA	370	310	250	100	90	55

Flash/min. 0 / 1F: 150±10			IP 65	
On ⟨symbol⟩	°C -30÷50	PC	Self-extinguishing	

42,5

Ø 92

R
G
A

CODES

90507

Data sheet: Ref.**DS.XLFRGA.ENG.0512**

SIR-E FA

	LT base	
V ===	12÷24	
mA	45	35
dB(A)1m max 100 dB		

°C -30 + 50	On ⟨symbol⟩	IP 65
⟨symbol⟩ 12 + 1	PC	Self-extinguishing

CODES

90377 **90378**

Data sheet:
Ref.**DS.SIREFA.ENG.0512**

SIR-E LED FA

	LT base	
V ===	12÷24	
mA	120	110
dB(A)1m max 100 dB		

Flash/min. 0 / 3F: 85±10		On ⟨symbol⟩	IP 65
⟨symbol⟩ 12 + 1	°C -30 +50	PC	Self-extinguishing

62

Ø 92

CODES

90380

EN54-3 approved multifunctional electronic sirens with excellent acoustic performances. Developed on the bases of a modular technology, the FA range allows two levels of alarm powered by 13 EN54-3 approved tones. SIR-E FA allows 12 pre-alarm tones available on the 1st level (selectable via a dip-switch) and 1 alarm steady tone (PFER TOXIC GAS) on the 2nd level. SIR-E LED FA, beside the same characteristics of the SIR-E FA, includes a luminous LED beacon.

KEY FEATURES

- **Multifunction:** 2 levels of alarm (pre-alarm, alarm)
- **High acoustic performances**
  - **Pre-alarm:** a powerful electronic tone of up to 105 dB ideal for signaling an imminent danger of a change to the standard conditions (12 EN54-3 approved tones selectable via dip-switch)
  - **Alarm:** a powerful electronic tone of up to 105 dB ideal for signaling a permanent danger or change to the standard conditions (1 EN54-3 approved tone: PFER TOXIC GAS)
- **Multitone:** 13 EN54-3 approved tones
- **High IP 65 rating:** also excellent for outdoor applications

MODULARITY

SIR-E FA and SIR-E LED FA can be mounted on all **M**LINE modular bases that can be selected according to the following characteristics
- **Shape: SHALLOW** (ideal for flat surface mounting), **DEEP** (designed for surface mounting with pressure glands), **WALL** (designed for lateral/wall mounting), **FLUSH** (designed for flushmounted applications) and **DOUBLE** (designed for wall mounting of 2 **M**LINE devices)
- **Tension:** LT 12/24V DC
- **Color: allRED** (Fire Alarm Red RAL 3000) and **allWHITE** (Civil/Commercial White RAL 9003)

APPROVAL NUMBER
0068-CPD-0026
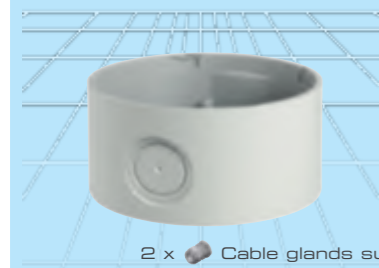
Data sheet: Ref.**DS.SIRELEDFA.ENG.0512**

BASES
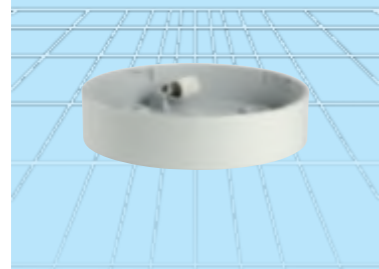
SHALLOW

Base designed for surface mounting where cabling occurs from the bottom of the device and where a compact designed is required

LT 12/24V ACDC

CODES

LT SHALLOW 12/24V ACDC | 90367 | 90344 | 90343 | 90451

DEEP

Base designed for surface mounting in conjunction with the use of pressure glands. This base allows up to two M20 pressure glands making this solution ideal for series mounting

2 x Cable glands supplied

**LT 12/24V ACDC
MT 30/80V ACDC
HT 90/240V AC**

CODES

|				
LT DEEP 12/24V ACDC	90368	90346	90345	90452
MT DEEP 30/80V ACDC	90432	90437	90442	90455
HT DEEP 90/240V AC	90369	90509	90508	90458
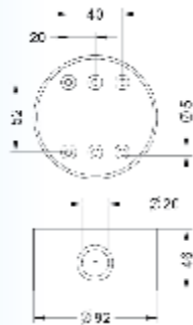
WALL
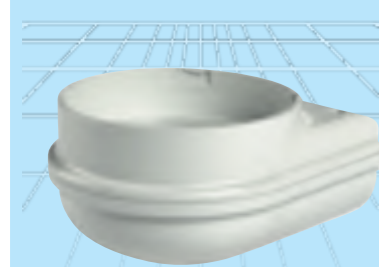
Base designed for lateral/wall mounting. Allows installing up to two M20 pressure glands making this product suitable also when it's not possible to wire the base of the signaling device

2 x Cable gland ready

**LT 12/24V ACDC
MT 30/80V ACDC
HT 90/240V AC**

CODES

|				
LT WALL 12/24V ACDC	90370	90348	90347	90453
MT WALL 30/80V ACDC	90433	90438	90443	90456
HT WALL 90/240V AC	90371	90511	90510	90459
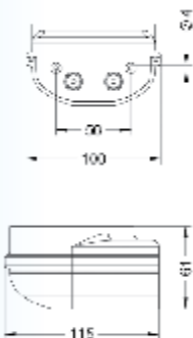
DOUBLE
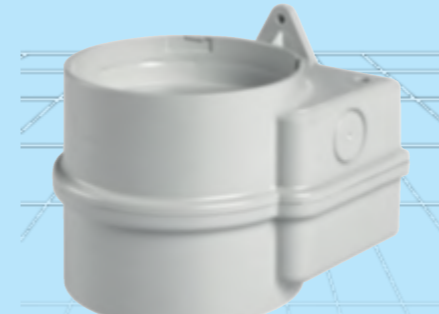
Base designed for lateral/wall mounting, it can mount up to two **M**LINE modules creating unique combinations between visual and acoustic devices whilst the multifunctionality of each module is guaranteed

2 x Cable gland ready

**LT 12/24V ACDC
MT 30/80V ACDC
HT 90/240V AC**

CODES

LT DOUBLE 12/24V ACDC	90372	90374	90373	90454
MT DOUBLE 30/80V ACDC	90435	90440	90445	90457
HT DOUBLE 90/240V AC	90512	90514	90513	90460
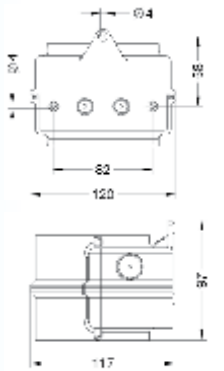
FLUSH
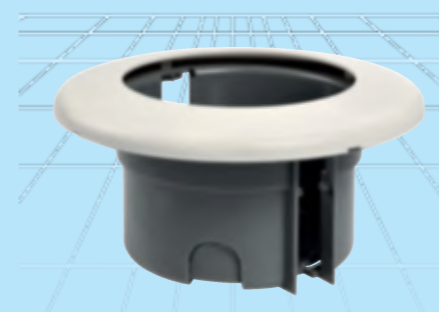
Base designed for flushmounted applications. It guarantees a simple and discrete installation of the device allowing a low visual impact when aesthetic is required like for example in Civil or Commercial installations

**LT 12/24V ACDC
MT 30/80V ACDC
HT 90/240V AC**

CODES

LT FLUSH 12/24V ACDC	90375	90349
MT FLUSH 30/80V ACDC	90439	90444
HT FLUSH 90/240V AC	90376	90446
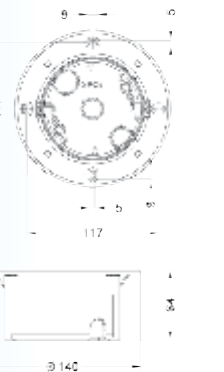
MLINE One concept | Endless solutions

Data sheet: Ref.**DS.BASES.ENG.0512**

14   15

MLINE | JUNIOR

One concept | Endless solutions

**ENTRY-LEVEL OPTIONS
WITH THE SAME UNIQUE MODULARITY
AND PERFORMANCE BENEFITS
OF THE MLINE RANGE**

JUNIOR **IS JUST MY NAME**

SIRENA S.p.A.

MORE THAN
BRIGHT IDEAS

MLINE is a new and unique modular concept developed by Sirena which takes signaling devices to a whole new level delivering users with a customized product tailored for each specific application.

The high optical performances of the beacons, together with the strong sound output of the sounders makes **M**LINE a high-end range destined to the most demanding applications.

After a series of rigorous tests, **M**LINE has been granted IP 65 status, a very high rating, especially for sounders, making this product ideal also for outdoor applications.

MLINE has been engineered with a unique modular concept which allows each of the five domes to be mounted on any of the five bases, dratstically reducing the number of parts stocked and allowing Professionals to have a more reactive response to the market needs.

Furthermore, the innovative design allows **M**LINE to become a key player also in Commercial and Civil applications besides more traditional Industrial applications.

JUNIOR

JUNIOR is the entry-level option for MLINE Domes and Bases.

Entry-level means that every JUNIOR element has been tailored to retain a high performance level yet improving its cost efficiency.

JUNIOR modules are fully compatible with standard MLINE domes and bases.

MLINE — COMPARISON TABLE — MLINE JUNIOR

SIR-E
32+32 tones
Max 105dB
2 Levels of alarm

SIR-E JUNIOR
8+8 tones
Max 100dB
2 Levels of alarm

SIR-E LED
32+32 tones
Max 105dB
3 Levels of alarm
6 Bright LEDs

SIR-E LED JUNIOR
8+8 tones
Max 100dB
3 Levels of alarm
4 Bright LEDs

XLF S
3 light effects: Steady, Flashing, Strobe

XLF JUNIOR
Steady light

DEEP BASE HT
90/240V AC
Supports 3 channels

DEEP BASE HT JUNIOR
90/240V AC
Supports 1 channel

WALL BASE HT
90/240V AC
Supports 3 channels

WALL BASE HT JUNIOR
90/240V AC
Supports 1 channel

SIR-E JUNIOR   **SIR-E LED** JUNIOR   **XLF** JUNIOR

HT DEEP JUNIOR   **HT WALL** JUNIOR

SIR-E JUNIOR

Multifunctional electronic sounder developed with a multilevel technology that allows two separate levels of alarm (pre-alarm, alarm) controllable via independent electric contacts. Each level (1 and 2) is provided with 8 tones selectable via dip-switch for a total of 16 tones.

2 LEVELS OF ALARM

LEVEL 1 | PRE-ALARM
1 tone selectable out of 8 via dip-switch

LEVEL 2 | ALARM
1 tone selectable out of 8 via dip-switch

European (EUR) and Asia Pacific (APAC) tones available.

TECHNICAL SPECIFICATIONS

OPERATING TENSION
According to selected base
LT 12/24V ACDC
MT 30/80V ACDC
HT 90/240V AC

PROTECTION GRADE
IP65

SOUND OUTPUT
16 tones (8 per channel). Max 100dB(A)1m
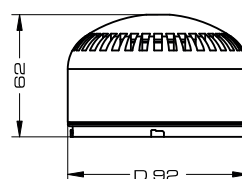
OPERATING TEMPERATURE
-30 / +50 degrees C

MECHANICAL FEATURES
Self-extinguishing PC body totally protected against vibrations, dust and atmospheric elements. Weather protection guaranteed by the EPDM o-ring type gasket present on all modules

APPROVALS
CE, GOST, UL (pending)

| G | B | R | W |

CAN BE INSTALLED WITH

SHALLOW LT 12/24V ACDC

DEEP
WALL LT 12/24V ACDC
MT 30/80V ACDC
HT 90/240V AC
HT JUNIOR 90/240V AC

| G | B | R | W |

FLUSH
DOUBLE LT 12/24V ACDC
MT 30/80V ACDC
HT 90/240V AC

TECHNICAL DRAWING

62
D 92

SIR-E JUNIOR | PART NO

	G	B	R	W
EUR	90417	90420	90419	90418
APAC	90387	90390	90389	90388

MLINE

SIRENA s.p.A.

SIR-E LED JUNIOR

Multifunctional LED beacon sounder developed with a multilevel technology that allows three separate levels of alarm (alert, pre-alarm, alarm) controllable via independent electric contacts. SIR-E LED JUNIOR benefits from two light effects (steady, flashing) and 16 different tones (selectable via dip-switch).

3 LEVELS OF ALARM

LEVEL 1 | ALERT
Flashing light

LEVEL 2 | PRE-ALARM
Flashing light + 1 tone selectable out of 8 via dip-switch

LEVEL 3 | ALARM
Steady light + 1 tone selectable out of 8 via dip-switch

European (EUR) and Asia Pacific (APAC) tones available.

TECHNICAL SPECIFICATIONS

OPERATING TENSION
According to selected base
LT 12/24V ACDC
MT 30/80V ACDC
HT 90/240V AC

PROTECTION GRADE
IP65

SOUND OUTPUT
16 tones (8 per channel). Max 100dB(A)1m

LIGHT OUTPUT
4 bright LEDs. Flashing mode: 3F (85 +/-10 fpm)

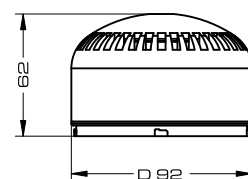**OPERATING TEMPERATURE**
-30 / +50 degrees C

MECHANICAL FEATURES
Self-extinguishing PC body totally protected against vibrations, dust and atmospheric elements. Weather protection guaranteed by the EPDM o-ring type gasket present on all modules

APPROVALS
CE, GOST, UL (pending)

TECHNICAL DRAWING

62
D 92

B A R G

CAN BE INSTALLED WITH

SHALLOW — LT 12/24V ACDC

DEEP —
WALL — LT 12/24V ACDC
MT 30/80V ACDC
HT 90/240V AC
HT JUNIOR 90/240V AC

G B R W

FLUSH —
DOUBLE — LT 12/24V ACDC
MT 30/80V ACDC
HT 90/240V AC

SIR-E LED JUNIOR | PART NO

	B	A	R	G
EUR	90401	90402	90403	90404
APAC	90421	90422	90423	90424

MLINE

XLF JUNIOR

XLF JUNIOR

Steady light LED beacon, particularly indicated when there is no necessity of flashing effects or when the device is controlled by PLC.

Avaliable with Proximity or Directional lenses, XLF JUNIOR is the ideal choice for a price efficient, high quality light device.

PROXIMITY
Opaline lens for "near" signalization

DIRECTIONAL
Fresenl lens for "long-distance" signalization

B A R G

CAN BE INSTALLED WITH

SHALLOW	LT 12/24V ACDC
DEEP	LT 12/24V ACDC MT 30/80V ACDC HT 90/240V AC HT JUNIOR 90/240V AC
WALL	G B R W
FLUSH	LT 12/24V ACDC MT 30/80V ACDC HT 90/240V AC
DOUBLE	

TECHNICAL SPECIFICATIONS

OPERATING TENSION
According to selected base
LT 12/24V ACDC
MT 30/80V ACDC
HT 90/240V AC

PROTECTION GRADE
IP65

LIGHT OUTPUT
6 bright LEDs

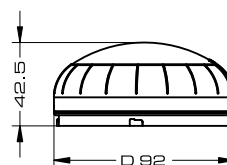**OPERATING TEMPERATURE**
-30 / +50 degrees C

MECHANICAL FEATURES
Self-extinguishing PC body totally protected against vibrations, dust and atmospheric elements. Weather protection guaranteed by the EPDM o-ring type gasket present on all modules

APPROVALS
CE, GOST, UL (pending)

TECHNICAL DRAWING

42.5 D 92

XLF JUNIOR | PART NO

	B	A	R	G
PROXIMITY	90831	90832	90833	90834
DIRECTIONAL	90841	90842	90843	90844

SIRENA s.p.A.

MLINE

DEEP

WALL

HT BASE JUNIOR

Monofunctional high voltage base (90/240V AC) ideal for powering any **M**LINE dome.

Available in DEEP and WALL shapes and in allGRAY, allBLACK, allRED and allWHITE colors.

When installed with multifunctional domes, only one of the three functions can be connected.

Ideal for providing a cost effective solution when multifunctionality is not needed or when one only of the available functions is required.

TECHNICAL SPECIFICATIONS

OPERATING TENSION
HT 90/240V AC

PROTECTION GRADE
IP65

OPERATING TEMPERATURE
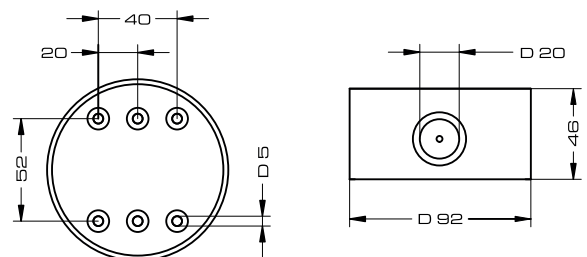-30 / +50 degrees C

MECHANICAL FEATURES
Self-extinguishing PC body totally protected against vibrations, dust and atmospheric elements. Weather protection guaranteed by the polyuretanic gasket present on all modules
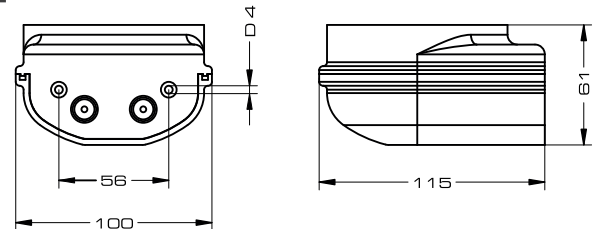
APPROVALS
CE, GOST, UL (pending)

G	B	R	W

CAN BE INSTALLED WITH

 SIR-E
SIR-E JUNIOR

G	B	R	W

 SIR-E LED
SIR-E LED JUNIOR

 FLR S

B	A	R	G

 XLF
XLF JUNIOR

 XLF RGA

R	G	A

TECHNICAL DRAWING

DEEP

40
20
52
D 5

D 20
46
D 92

WALL

D 4
56
100
115
61

HT BASE JUNIOR I PART NO

	G	B	R	W
DEEP	90827	90829	90839	90837
WALL	90828	90830	90840	90838

HT BASE JUNIOR

SIRENA S.p.A.

MLINE

MLINE | JUNIOR
One concept | Endless solutions

ENTRY-LEVEL OPTIONS
WITH THE SAME UNIQUE MODULARITY
AND PERFORMANCE BENEFITS
OF THE MLINE RANGE

MADE IN ITALY

Engineered,
Developed and
Assembled in
Rosta, Italy

MLINE is Sirena's range of modular and multifunctional signaling devices engeneered for civili and industrial applications
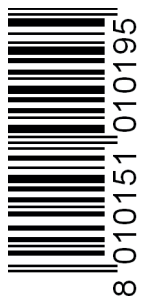
mline@sirena.it

SIRENA S.p.A.

8 010151 010195

ELECTRA | P40

Industrial Signaling since 1974

A UNIQUE RANGE OF SIGNALING DEVICES ENGINEERED FOR PANEL MOUNTED APPLICATIONS

THE WINNING COMBINATION

SIRENA s.p.A.

MORE THAN BRIGHT IDEAS

ELECTRA is Sirena's range of Industrial Signaling devices.

Since 1974 Sirena has had only one mission: delivering the best signaling devices in the world.

We keep this in mind everyday and at every stage of development of our products.

From concept designs to final prototypes we share the passion for innovation that lays right in the foundation of Sirena's legacy.

No matter what the final application is, we always strive to bring the best possible solutions.

ELECTRA is the most complete range of signaling devices on the market, whatever your need is, we will not only help you to find a solution, we will give you the best solution.

ELECTRA

P40 is a unique range of signaling devices engineered for panel mounted applications.

With four devices to choose from and a complete selection of domes and base colors, **P40** offers the perfect solution for each application.

Each device is multifunctional allowing three separate functions to be operated via independent electrical contacts. This allows the entire chain of alarm to be escalated, from alert, to pre-alarm, to alarm.

The luminous devices have been engineered to deliver high optical performances from every angle whilst the acoustic devices are crafted for delivering a tone tailored for electrical panels.

So, whenever you are thinking which signaling devices you are going to install next on your high-end electrical panels, you know it's **P40** time…

IT'S **P40** O'CLOCK

P40 S

Multifunctional LED beacon engineered for panel mounting. Developed with a multilevel technology, the device allows three different light effects (steady, flashing, strobe) controllable via independent electric contacts.

3 LEVELS OF ALARM

LEVEL 1 | STEADY LIGHT
Deep and rich light source ideal for signaling a machine status yet without disturbing

LEVEL 2 | FLASHING LIGHT
Flashing light ideal for attracting attention and warn of a potential dangerous situation

LEVEL 3 | STROBE LIGHT
Strobe-effect light ideal for all applications where an immediate attention gain is mandatory

B A R G Y C

TECHNICAL SPECIFICATIONS

OPERATING TENSION
LT 12/24V ACDC
HT 48/240V AC

PROTECTION GRADE
IP66

LIGHT OUTPUT
4 bright LEDs

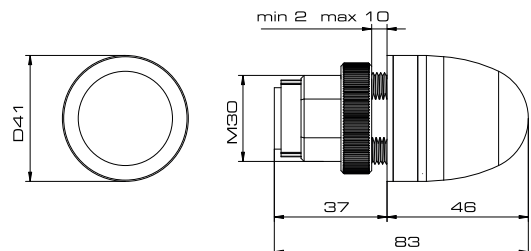**OPERATING TEMPERATURE**
-30 / +50 degrees C

MECHANICAL FEATURES
Self-extinguishing PC body totally protected against vibrations, dust and atmospheric elements. Weather protection guaranteed by EPDM o-ring on dome and polyuretanic gasket on base. Can be panel mounted through a D30 hole and secured with the locking ring provided

APPROVALS
CE, GOST, UL (pending)

P40 S | PART NO

		GY — BASE — BK	
B	12/24V ACDC	91131	91141
	48/240V AC	91151	91161
A	12/24V ACDC	91132	91142
	48/240V AC	91152	91162
R	12/24V ACDC	91133	91143
	48/240V AC	91153	91163
G	12/24V ACDC	91134	91144
	48/240V AC	91154	91164
Y	12/24V ACDC	91135	91145
	48/240V AC	91155	91165
C	12/24V ACDC	91136	91146
	48/240V AC	91156	91166

TECHNICAL DRAWING

min 2   max 10
D41
M30
37   46
83

P40 S

SIRENA s.p.A.

ELECTRA

P40 RGA

P40 RGA

Multicolor LED beacon engineered for panel mounting. Developed with a multilevel technology, the device allows three different colors (red, amber, green) controllable via independent electric contacts.

3 LEVELS OF ALARM

LEVEL 1 | GREEN
Standard of signaling indicating "all clear" or "normal operating conditions"

LEVEL 2 | AMBER
Standard of signaling for indicating a change of operating conditions or warning of a potential danger

LEVEL 3 | RED
Standard of signaling for indicating a stop of the operating conditions or a real danger

RGA

TECHNICAL SPECIFICATIONS

OPERATING TENSION
LT 12/24V ACDC
HT 48/240V AC

PROTECTION GRADE
IP66

LIGHT OUTPUT
1 superbright LED

**OPERATING TEMPERATURE**
-30 / +50 degrees C

MECHANICAL FEATURES
Self-extinguishing PC body totally protected against vibrations, dust and atmospheric elements. Weather protection guaranteed by EPDM o-ring on dome and polyuretanic gasket on base. Can be panel mounted through a D30 hole and secured with the locking ring provided

APPROVALS
CE, GOST, UL (pending)

TECHNICAL DRAWING

min 2 max 10
D41
M30
37   46
83
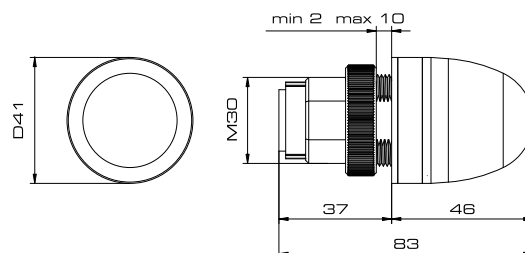
P40 RGA | PART NO

		GY — BASE — BK	
RGA STEADY	12/24V ACDC 48/240V AC	91167 91171	91169 91173
RGA FLASH	12/24V ACDC 48/240V AC	91168 91172	91170 91174

SIRENA s.p.A.

ELECTRA

P40 A

Piezoelectrical sounder engineered for panel mounting. Developed with a multilevel technology, the device allows two different levels of alarm (pre-alarm, alarm) controllable via independent electric contacts.

2 LEVELS OF ALARM

LEVEL 1 | PRE-ALARM
Intermittent sound

LEVEL 2 | ALARM
Continuous sound

G B

TECHNICAL SPECIFICATIONS

OPERATING TENSION
LT 12/24V ACDC
HT 48/240V AC

PROTECTION GRADE
IP65

SOUND OUTPUT
85dB(A)1m

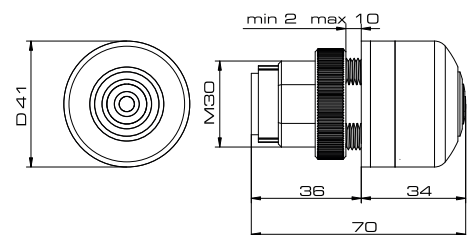**OPERATING TEMPERATURE**
-30 / +50 degrees C

MECHANICAL FEATURES
Self-extinguishing PC body totally protected against vibrations, dust and atmospheric elements. Weather protection guaranteed by EPDM o-ring on dome and polyuretanic gasket on base. Can be panel mounted through a D30 hole and secured with the locking ring provided

APPROVALS
CE, GOST, UL (pending)

TECHNICAL DRAWING

min 2   max 10

D 41

M30

36   34

70

P40 A | PART NO

GY	12/24V ACDC	91177
	48/240V AC	91179
BK	12/24V ACDC	91178
	48/240V AC	91180

SIRENA s.p.A.

ELECTRA

P40 A LED

Piezoelectrical sounder with LED light engineered for panel mounting. Developed with a multilevel technology, the device allows three levels of alarm (alert, pre-alarm, alarm) controllable via independent electric contacts.

3 LEVELS OF ALARM

LEVEL 1 | ALERT
Flashing light

LEVEL 2 | PRE-ALARM
Flashing light + Intermittent sound

LEVEL 3 | ALARM
Steady light + Continuous sound

| A | R | G |

TECHNICAL SPECIFICATIONS

OPERATING TENSION
LT 12/24V ACDC
HT 48/240V AC

PROTECTION GRADE
IP65

SOUND OUTPUT
85dB(A)1m

LIGHT OUTPUT
3 bright LEDs

**OPERATING TEMPERATURE**
-30 / +50 degrees C

MECHANICAL FEATURES
Self-extinguishing PC body totally protected against vibrations, dust and atmospheric elements. Weather protection guaranteed by EPDM o-ring on dome and polyuretanic gasket on base. Can be panel mounted through a D30 hole and secured with the locking ring provided

APPROVALS
CE, GOST, UL (pending)

TECHNICAL DRAWING

min 2   max 10
D 41
M30
36   34
70
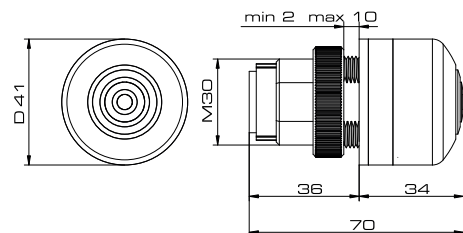
P40 A LED | PART NO

		GY — BASE — BK	
A	12/24V ACDC	91182	91192
	48/240V AC	91202	91212
R	12/24V ACDC	91183	91193
	48/240V AC	91203	91213
G	12/24V ACDC	91184	91194
	48/240V AC	91204	91214

SIRENA S.p.A.

ELECTRA

ELECTRA | P40

Industrial Signaling since 1974

A UNIQUE RANGE OF SIGNALING DEVICES ENGINEERED FOR PANEL MOUNTED APPLICATIONS

MADE IN ITALY

Engineered,
Developed and
Assembled in
Rosta, Italy

ELECTRA is Sirena's range of high-end signaling devices engineered, developed and manufactured for industrial applications

electra@sirena.it

SIRENA S.p.A.

8 010151 010218