

450 SERIES

Modular visual and audio indicators



A small-sized lamp which exalts the design features of our vertical modular indicators.

The reliability of sounders is a guarantee of maximum safety for the operators and machines.
The low absorptions simply and prolong the life of circuits.
No maintenance/service cost.

TECHNICAL FEATURES

Compliance

EEC regulation 2006/95 Low Voltage
EEC regulation 89/336 Electromagnetic Compatibility

Conformity to standards

EN 60947.5.1 - EN 60073 - EN 60529 - EN 60068-2-6 - EN 457 - EN 981 - IEC 536

Material

Polycarbonate

Protection degree

IP 64 (if correctly assembled with cap and gasket); IP 54 (if with an audio unit type FA 74-B1 or -2) - according to EN 60529

Protection against electric shock

Class II, safety insulation. According to IEC 536

Resistance to vibrations

2 g min. (10 - 150 Hz) according to EN 60068-2-6

Operating Temperature

-20°C +50°C

Number of combinable units

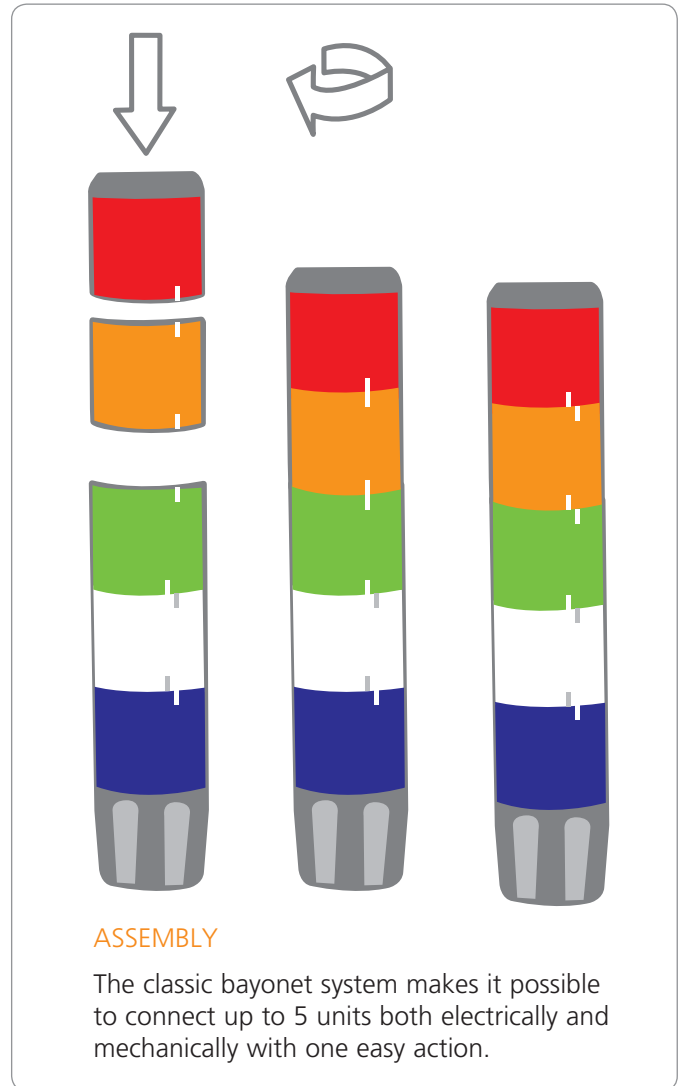
Max 5

Color of the modules

Amber – blue – yellow – neutral – red – green
According to EN60073

Connections

Screw clamps with binding post max. gauge max. 1,5 mm
inside the wiring unit



Ultra bright LEDs and an accurate illumination system for each unit guarantee large visibility; the audio signal devices increase the signalling possibilities.

WIRING UNIT

Clamp connections
With pre-cabled wire on request

Clamps

Screw clamps with binding post

Max gauge

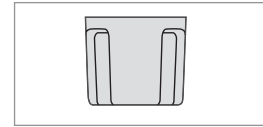
1.5 mm²

Connection id. code

C = for all the units

Numbers from 1 to 5 refer to the colours,
from the base to the top

	with cap	without cap
	ORDER CODES AND DATA	
GREY	FA94-01	FA94-07
BLACK	FA94-02	FA94-08



LUMINOUS UNIT

Illumination

Steady light by means of 6 ultra bright LEDs

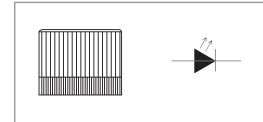
Voltage

24V DC/AC (+/-%)

Current consumption

24V DC – 35 mA / 24 V AC – 55 mA

COLOR	ORDER CODES AND DATA	
	24V	24V dome neutral
●	FA42-BF	FA642-BF
●	FA43-BF	FA643-BF
●	FA44-BF	FA644-BF
●	FA45-BF	FA645-BF
●	FA46-BF	FA646-BF
●	FA49-BF	FA649-BF



AUDIO SIGNAL DEVICE

The audio signal device already has a cap and can be used as the final module only

Sound

Intermittent or continuous

Sound frequency

3.700 Hz

Signal repetition frequency

1 Hz, according to EN 457

Weighed sound level "A" at one meter

Type FA74-B2 intermittent signal 84 dB

Type FA74-B6 intermittent signal 75 dB

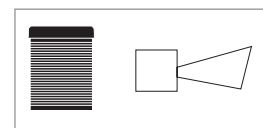
Voltage

24 V DC/AC (+/-10%)

Current consumption

24V DC – 35 mA / 24 V AC – 40 mA

	intermittent sound
	ORDER CODES AND DATA
IP54	FA74-B2
IP65	FA74-B6



Technical diagrams → see page 40

FITTINGS



black	FA60-98
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Polycarbonate cap



black	50-20
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Polycarbonate



grey	54-01
black	54-10

Bases with polycarbonate extension tubes



grey	54-09
black	54-90

Bases with polycarbonate tubes for 90° fixing



black	54MP9
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Metal bases with polycarbonate tubes for 90° fixing



grey	88-01
black	88-10

Polycarbonate extension tubes



black	88A22
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Adapter for 22 mm-hole

Technical diagrams → see page 41