

LIGHT SIGNAL ALARM SYSTEM for ER

with high signalling Light Signal Devices

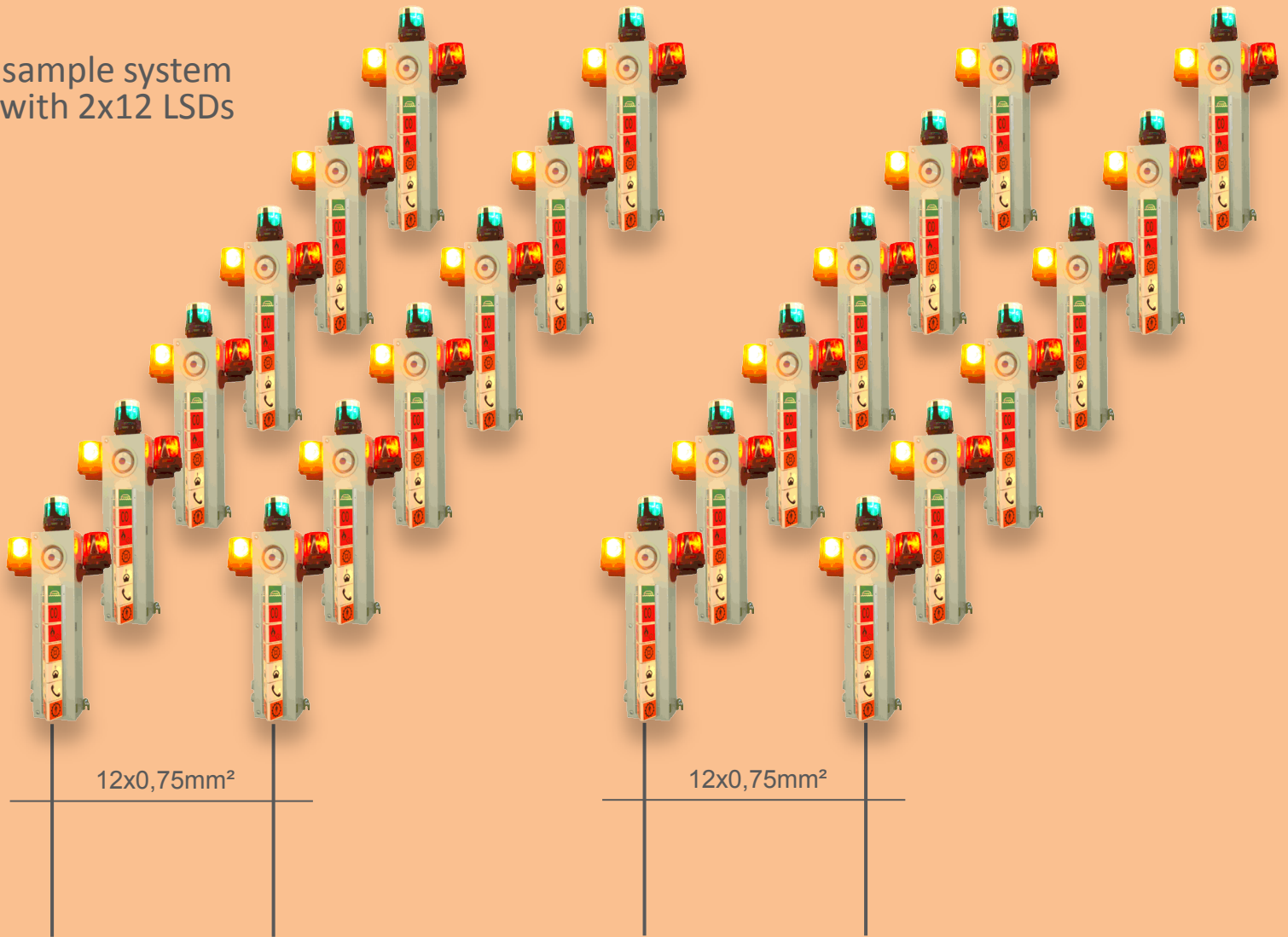


***LED & triac
technology
available***

- ✓ ***digital sound processing***
- ✓ ***multiple acoustics philosophies***
- ✓ ***80 up to 120dB(A) sound pressure***
- ✓ ***mini-PLC based compact control unit***

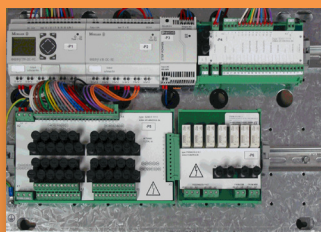
LIGHT SIGNAL ALARM SYSTEM for ER

sample system
with 2x12 LSDs

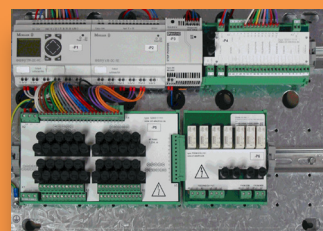


LSCU #1

two independant
control units
(LSCUs) do service
one half each of
installed alarm
devices



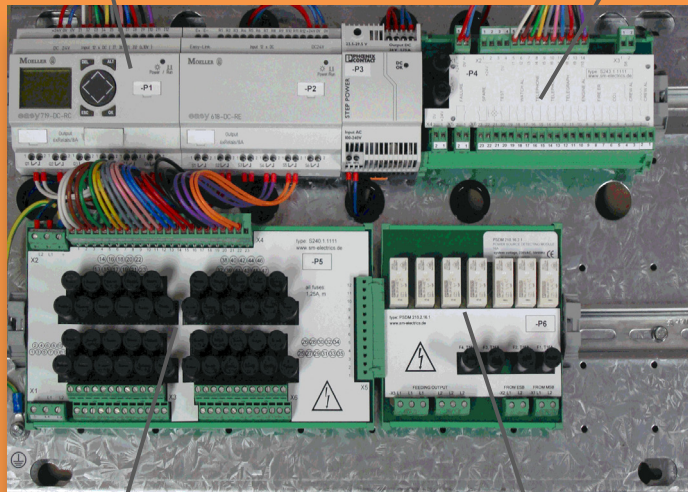
LSCU #2



Light Signal Control Unit (LSCU)

mini-PLC
with info display

input module with
2-pole plug terminals



basic LSCU
to serve
32 LSDs

LSCU 210.1.4.8

output module with
4 micro-fuse secured
output lines

ESB / MSB power supply
change-over module (16A)
(optional)

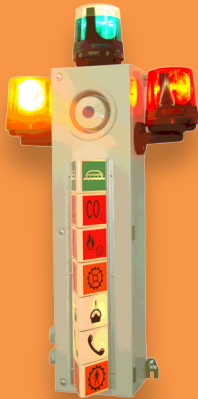
technical data & features:

- ✓ only one power supply 230VAC, 115VAC or 24VDC is required
- ✓ clever commissioning and test features reduce start-up work
- ✓ individual acoustics delay settings adjustable by user
- ✓ compact design (482x320mm, weight: 5,56kg, IP20)
- ✓ suitable wall box is available (600x600x210mm, IP66)
- ✓ max. output current: 1,25A (each channel)
- ✓ external wiring type: max. 2,5mm²
- ✓ numbers of controlled LSDs: unlimited
- ✓ corresponding systems: dry n/o contacts (24VDC / 50mA) required
- ✓ online user manual @ www.sm-electrics.de

Light Signal Devices LSD 209 – standard

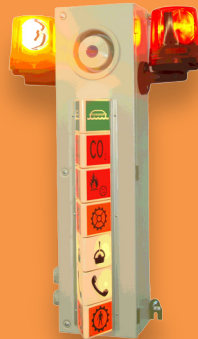
*no internal wiring due to common PCB which serves all triangular lights!
system voltage: 230VAC, 115VAC or 24VDC, degree of enclosure: real IP55*

LSD 209.x.3.1



- acc. to SeeBG
- 1 sounder with 2 frequencies
- 4 different sound characteristics
- max. 117dB(A) sound level
- sound level adjustable
- x = 3...8 triangular lights
- 3 high signalling 3-lense rotating lights

LSD 209.x.2.1



- acc. to IMO / SOLAS
- 1 sounder with 2 frequencies
- 4 different sound characteristics
- max. 117dB(A) sound level
- sound level adjustable
- x = 3...8 triangular lights
- 2 high signalling 3-lense rotating lights

LSD 209.x.0.1

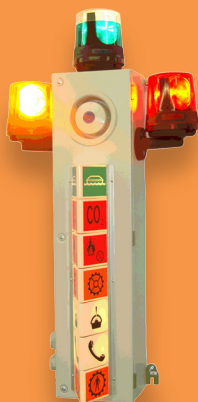


- acc. to IMO / SOLAS
- 1 sounder with 2 frequencies
- 4 different sound characteristics
- max. 117dB(A) sound level
- sound level adjustable
- x = 3...8 triangular lights

Light Signal Devices LSD 309 dac, dynamic acoustics control

*µp based acoustics controller w. digital signal processing generates individually sounder's soft start
system voltage: 230VAC, 115VAC or 24VDC, degree of enclosure: real IP55*

LSD 309.x.3.1 dac



- acc. to SeeBG
- 1 sounder with 5 frequencies
- 8 different sound characteristics
- max. 117dB(A) sound level
- digital signal processing with soft start
- x = 3...8 triangular lights
- 3 high signalling 3-lense rotating lights

LSD 309.x.2.1 dac



- acc. to IMO / SOLAS
- 1 sounder with 5 frequencies
- 8 different sound characteristics
- max. 117dB(A) sound level
- digital signal processing with soft start
- x = 3...8 triangular lights
- 2 high signalling 3-lense rotating lights

LSD 309.x.0.1 dac



- acc. to IMO / SOLAS
- 1 sounder with 5 frequencies
- 8 different sound characteristics
- max. 117dB(A) sound level
- digital signal processing with soft start
- x = 3...8 triangular lights

Light Signal Devices LSD 210 – special edition

twin bulbs for all triangular lights

system voltage: 230VAC, 115VAC or 24VDC, degree of enclosure: real IP55

LSD 210.x.3.1



- acc. to SeeBG
- 1 sounder with 4 frequencies
- 4 different sound characteristics
- max. 118dB(A) sound level
- sound level adjustable
- x = 3...10 triangular lights
- 3 high signalling 3-lense rotating lights

LSD 210.x.2.1



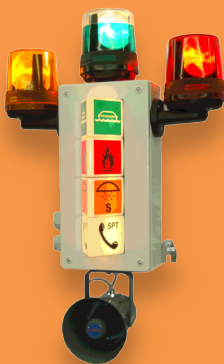
- acc. to IMO / SOLAS
- 1 sounder with 4 frequencies
- 4 different sound characteristics
- max. 118dB(A) sound level
- sound level adjustable
- x = 3...10 triangular lights
- 2 high signalling 3-lense rotating lights

LSD 210.x.0.1



- acc. to IMO / SOLAS
- 1 sounder with 4 frequencies
- 4 different sound characteristics
- max. 118dB(A) sound level
- sound level adjustable
- x = 3...10 triangular lights

LSD 210.4.3.1



- acc. to SeeBG
- 1 sounder with 4 frequencies
- 4 different sound characteristics
- max. 118dB(A) sound level
- sound level adjustable
- 3 high signalling 3-lense rotating lights

LSD 210.x.0.0



- acc. to IMO / SOLAS
- x = 3...10 triangular lights

LSD 210.80.0.0
indication panel



- power supply: 230VAC, 115VAC or 24VDC
- panel for console mounting
- up to 9 symbols
- twin bulbs or LEDs
- integrated electronic buzzer (rear side)
- 144x144x70mm, IP 23



triangular light symbols

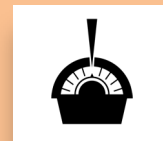
- ✓ listed symbols are in stock
- ✓ all individual symbols are available



CO2 ALARM



GENERAL ALARM



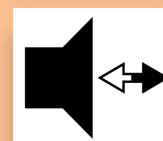
EOT CALL



FIRE ALARM



HOSPITAL CALL



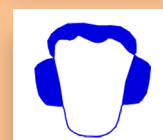
INTERCOM CALL



FIRE ALARM ER



MAN OVER BOARD



ENGINEER CALL



HI FOG ALARM



STEERING GEAR



TELEPHONE CALL



FOAM ALARM



SPRINKLER ALARM



SPT CALL



NOVEC ALARM



WATCH ALARM ER



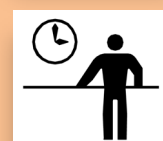
BRIDGE ALARM



WATER FOG



BILGE ALARM



WATCH ALARM



WATER MIST



ENGINE ALARM



COLD STORE ALARM