




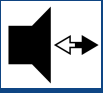

























triangular light symbols

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

| | | | | | |
|---|-----------------------|---|-----------------|---|------------------|
|  | CO ₂ ALARM |  | GENERAL ALARM |  | EOT CALL |
|  | FIRE ALARM |  | HOSPITAL CALL |  | INTERCOM CALL |
|  | FIRE ALARM ER |  | ENGINEER CALL |  | ABANDON SHIP |
|  | HI FOG ALARM |  | STEERING GEAR |  | MAN OVER BOARD |
|  | FOAM ALARM |  | SPRINKLER ALARM |  | TELEPHONE CALL |
|  | NOVEC ALARM |  | WATCH ALARM ER |  | SPT CALL |
|  | WATER FOG |  | BILGE ALARM |  | BRIDGE ALARM |
|  | WATER MIST |  | ENGINE ALARM |  | WATCH ALARM |
|  | TOXIC GAS |  | COMBUSTIBLE GAS |  | COLD STORE ALARM |



SIGNAL LIGHT COLUMN

Light signal alarm system for ER with high signalling Light Signal Devices

LED & triac technology available

acc. to IMO

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



available

Signal light column

The signal light column is a mini-PLC based stand-alone, shipborne alarm system to indicate visual and audible alarms according to IMO regulations as well as classification society requirements. Controlled by a central unit the signal light column alarm system can also be adapted to your existing alarm and monitoring logic. The sound generation is based on an innovative microprocessor technology and offers multiple acoustic philosophies with up to 120dB(A) sound level. On one hand visual alarms are indicated by rotating lights or flash lights and on the other hand explicit symbols on triangular indicator are advising the specific alert type. A standard signal light column alarm system consists of six or seven alarm indicators (symbols). In case a different amount of alarm indicators is needed, the signal light column alarm system can easily be adapted to your specific requirements.

sm electric's



- » high quality components
- » easy to install
- » shortest delivery time due to modular pre-manufacturing method. Predestined for short-term ship repair projects.
- » best price/performance ratio
- » clever commissioning and test features (integrated test mode/lamp test)
- » acoustics delay settings adjustable by user
- » degree of enclosure of all engine room devices: real IP55
- » compact design of control unit
- » only one power supply is needed (230VAC)
- » available system voltages (24VDC, 110VAC, 230VAC)
- » μ P controlled dynamic acoustics
- » durable led technology available

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 (German flag)
- » 1 sounder with 2 frequencies
- » 4 different sound characteristics max. 117dB(A) sound level
- » sound level adjustable
- » x = 3...10 triangular lights
- » 3 high signalling 3-lense rotating lights

LSD 209.x.2.1



- » traditional type
- » 1 sounder with 2 frequencies
- » 4 different sound characteristics max. 117dB(A) sound level
- » sound level adjustable
- » x = 3...10 triangular lights
- » 2 high signalling 3-lense rotating lights

LSD 209.x.1.1



- » acc. to IMO / SOLAS
- » 1 sounder with 2 frequencies
- » 4 different sound characteristics max. 117dB(A) sound level
- » sound level adjustable
- » x = 3...10 triangular lights
- » 1 high signalling 3-lense rotating light

Light Signal Devices LSD 309 dac, dynamic acoustics control

μ p 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 (German flag)
- » 1 sounder with 10 individual tone pattern
- » 32 different maritime sound characteristics max. 118dB(A) sound level
- » digital signal processing with soft start
- » x = 3...10 triangular lights
- » 3 high signalling 3-lense rotating lights

LSD 309.x.2.1 dac



- » traditional type
- » 1 sounder with 10 individual tone pattern
- » 32 different maritime sound characteristics max. 118dB(A) sound level
- » digital signal processing with soft start
- » x = 3...10 triangular lights
- » 2 high signalling 3-lense rotating lights

LSD 309.x.0.1 dac



- » acc. to IMO / SOLAS
- » 1 sounder with 10 individual tone pattern
- » 32 different maritime sound characteristics max. 118dB(A) sound level
- » digital signal processing with soft start
- » x = 3...10 triangular lights
- » 1 high signalling 3-lense rotating light

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 210.4.3.1



- » acc. to SeeBG (German flag)
- » 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 210.80.0.1
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