

Data sheet **dsound**[®] **ALC1**

The first acoustic control lighting for car parks, parking garages, stairways and hallways

Product description

Compliance with statutory minimum lighting for public transport routes and corridors causes a high power requirements. Because of that energy costs are one of the biggest cost drivers.

An alternative, temporary control lighting system via motion detector due to their short range is very expensive respectively complex and is thereby hardly able to generate savings.

With the dsound[®] ALC1 there is now the first lighting control, that achieves maximum energy savings and accounts the special needs of parking and garage operators despite the high safety standards.

cost savings

- up to 80% less energy costs
- low acquisition costs
- range up to 1500 qm

user comfort

- simple configuration via remote control

security profit

- high security due to individual lighting control

Application areas

Preferably stochastic signals with low harmonic content, acoustic noise / functional testing and process monitoring



Lighting control in parking garages and enclosed parking garages

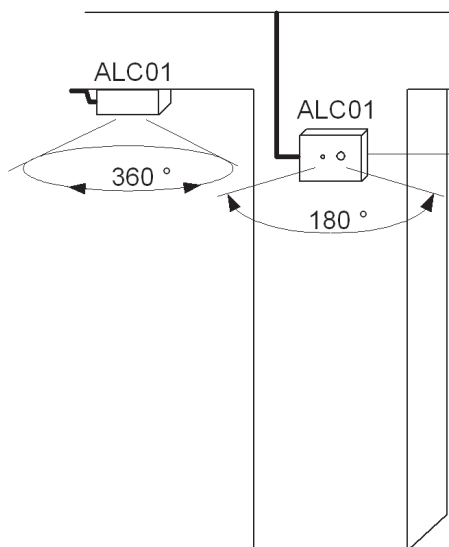
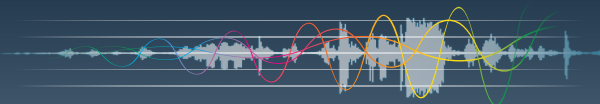
Used for acoustic control of lighting in parking garages as an alternative to motion detectors.

The use of the acoustic sensor guarantees a widespread ensuring of the car park lighting, even in positions that are difficult to survey within a parking deck.

Lighting control for corridors, hallways, cellars, bunkers, chutes, etc.,

which require an intelligent lighting control or alarm system.

Rooms that are too long or cluttering for motion detectors.



Technical data

Weight	300g
Power supply	230V/50Hz, 2W
Switching capacity ALC1-01	50VAC/DC 100mA (resistive load)
Switching capacity ALC1-02	230V 16A
Switching time	5 levels (from 30 seconds to 10 minutes)
Configuration	via infrared remote control
Outputs	Heartbeat, digital switching output
<i>Acoustic sensor</i>	
Sensitivity	5 adjustable levels
RFI Suppression	3 adjustable frequency ranges
Detection range	360° with 180° opening angle (see illustration)
<i>Optical sensor</i>	
Switching threshold	3 adjustable levels (20 lux to 600 lux) + current brightness (Car)
Detection range	360° with 180° opening angle (see illustration)
<i>Electromagnetical compatibility</i>	
Emitted interference	according to EN55015
Immunity to interference	according to EN61547; EN61000-6-2; EN61000-4-2
<i>Protection & security</i>	
Degree of protection to EN 60529	IP65 (it is not allowed to switch the prescribed emergency via the unit!)
<i>Ambient Operating Conditions</i>	
Temperature range	in operation -15°C to +50°C during transport / storage -40°C to +60°C
Relative humidity	5% to 95%, without condensation



Order information

ALC1-01	dsound [®] ALC1 lighting control with ALC1 output for control center
ALC1-02	dsound [®] ALC1 lighting control via relay output

Please send your questions and orders to:

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