



IP 65



## ALADIN

➔ Individual voltage alarm with headlamp

**Works in HV switchyards environment 50 - 400 kV**

### ▶ PRODUCT STANDARD

Complying with European Directives  
EN 61000-6-2, EN 61000-6-4



### ▶ FUNCTION

- ALADIN is designed to provide extra safety level for workers operating near energized equipment (during maintenance, rescue operations, painting, pruning,...) in electrical environment.
- This device combines a head light and a personal voltage alarm.  
Do not replace safety procedure.

### ▶ USE

- Example of situation where ALADIN provided an efficient warning.
  - **Misunderstanding:** the operator approach the wrong spot
  - **Voltage unexpected return.** Mistake during an operation on disconnected network.
  - **Involuntary approach:** Quick move in direction of energized area during operation
  - **Diversion:** the operator is diverted by a bad news or urgency and moves toward a high potential energized conductor unconsciously.

In all these situations and many others ALADIN will provide the ultimate WARNING.

### ▶ ADVANTAGES

- Sound alert of voltage proximity which rhythm increases up on the level of electric field detected.
- The "smart mute" is a Dynamic Voltage Detection :
  - it is used to silence the warning sound once at working place, the device is remaining in vigilance and still measuring the electric field.
  - The warning sound will automatically restart in case of increase of the level of detected electric field (closer or sudden presence of voltage).
  - Acts as an additional fencing which can be set at the working place.
- The device is designed like head light to be fixed on helmets or hard hats by various means. In this position, the device will detect 360° around the operator.
- No influence of the electromagnetic fields.
- 2 types of light are available :
  - 1 light for remote vision (overhead lines, poles, ...)
  - 1 light for closer vision (walking trip, working place, ...)
- Light and compact device.
- Rechargeable by standard micro USB 5 V plug (Complete charge: 3H).



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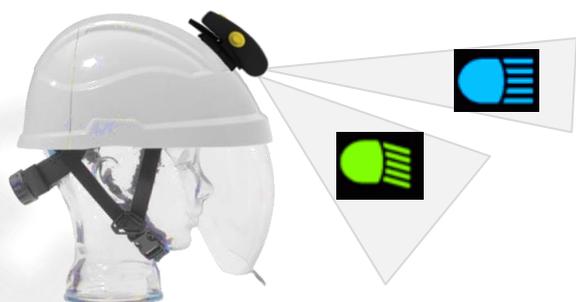
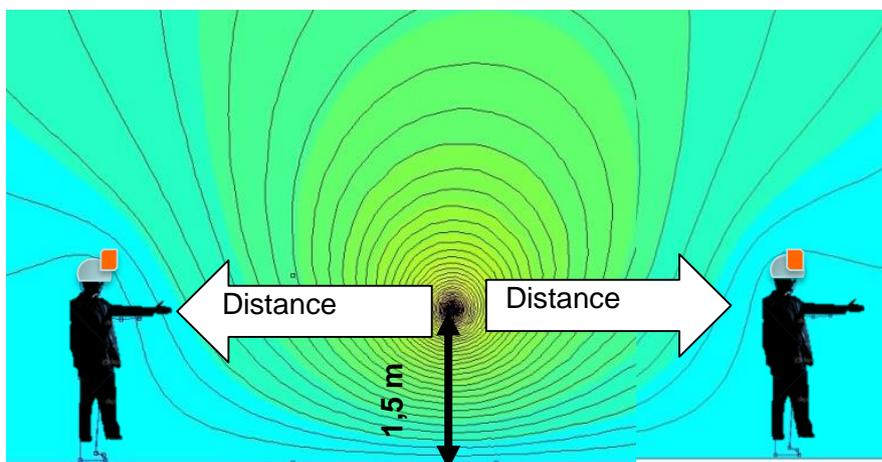
## TECHNICAL SPECIFICATIONS

- 360° detection of electric field 50 & 60 Hz around the worker.
- Convenient for outdoor and indoor electrical systems
- Detects the level of electric field. It does not measure the distance of the source of the electric field
- Higher is the voltage, bigger is the distance of detection.
- Self-test: checks all the circuits and the battery voltage.
- Range of use up to 400 kV environments
- Sound level of audio signal: 55 dB (1m)
- Battery capacity 2000mAh
- Temperature: -25° +55° C
- Humidity: up to 96 %.
- Dimensions: 87 x 60 x 34 mm / Weight: 98 g.

**50 - 400 kV**

Works in HV switchyards environment





Position				*	
1		140 lm	11°	20-30 m	4 h
2		50 lm	65°	5-10 m	25 h
3		100 lm		10-15 m	4 h
4		20 lm		<3 m	50 h
In vigilance	/	/	/	80 h	

\* I dicatives autonomy values

Reference	Voltage Range	Options	User's Manual*	Packaging
ALADINHV	50 - 400 kV	Charger USB Elastic strap	Pack F	Cardboard box: includes Soft bag, many pads interface (x 3)

\* Pack F : FR/GB/DE/ES/PT/PL

Pack G : GB/GR/BG/IT/NL/AR/TR

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