CLYDESDALE
Powering the Future

DATASHEET: CLY 305 AL-220 ALADIN Personal Voltage Detector

Association of Light And Detector for INdividual protection (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

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 sound alert once at working place, the device remaining in vigilance and still measuring the electric field.
− The sound alert will automatically restart in case of increase of the level of detected electric field (closer or sudden presence of voltage).
− Acts as a virtual barrier 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 mini USB 5 V plug

Technical Specifications
• 360°detection around the worker
• Detection distance≈ 2 m from a conductor at 1,5 m high above ground with 2 kV potential
• 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.
• It may even detect low voltage near wall outlet.
• Range of use up to 220 kV environments

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

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

* Indicatives autonomy values

Clydesdale Ltd, 3 Sunbeam Road, Woburn Road Industrial Estate, Kempston, Bedfordshire MK42 7BZ
Tel: 01234 855855 ¦ Fax: 01234 855800 ¦ Email: sales@clydesdale.net ¦ Web: www.clydesdale.net