

Environmental Radiation Alarm ERA-99A



The ERA99-A is a robust, portable radiation environmental alarm designed to give a visible and audible indication of environmental radiation. Operation is by means of sealed push buttons. "ON" activates the unit to its standby position, indicated by an AMBER flashing beacon. In the event of exposure to radiation, the unit will automatically switch to a RED flashing beacon and give an audible tone. Depressing the "PRE-WARN" button causes a continuous audible tone. The "OFF" button removes power from the unit and, if connected to a mains supply, the unit will automatically charge the internal battery from the built-in charger.

Power to the unit is supplied by means of either an internal battery or via an external mains supply to the sealed connector. In the event of a mains failure the battery automatically takes over, ensuring continuous radiation monitoring. The unit is available in three versions, each with a different combination of flashing beacon and audible tone settings, with modifications according to customer requirements. Provision is also made for slave lights, whereby multiple lights can be used to form a barrier.

The instruments comply with all relevant international standards.

Technical Specifications

ERA99-A

Weight	4kg
Dimensions	250mm x 160mm x 185mm
Detection	Halogen-filled GM tube
Calibration	Cesium-137 standard
Threshold	Variable 2.5µSv/hr - 1000µSv/hr (Factory set to 7.5µSv/hr)
Audible Alarm	100dB @ 1.0m Piezo-electric 2 tones
Safe Lamp	Amber xenon 1 joule, flash rate 1/sec
Hazard Lamp	Red xenon 1 joule, flash rate 1/sec
Battery	i) 12V 6Ah sealed lead acid giving ± 60 hours use ii) Battery low warning given by red lamp
Battery Charger	Integral, 13.8V constant voltage, fully charges battery in less than 12 hours.
Mains Power Source	110/240V ± 10% 50Hz. The unit automatically selects the correct supply. Power On indicated by red lamp.

Features

- Radiation level threshold can be set as per customer requirements
- Programmable (sequence, duration of alarms)
- Portable and lightweight
- Battery and mains operated
- Bright flashing lights
- Variable pitch audible alarm
- Unlimited slave lights for additional perimeter lighting

Optional Accessories

- Customized interlocking systems
- Slave lights
- Replaceable bulbs
- Spare batteries



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