

Environmental Radiation Alarm ERA99-A

The ERA99-A is a robust, portable radiation 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 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 beacons 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.

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DATA SHEET

Environmental Radiation Alarm ERA99-A

TECHNICAL SPECIFICATION

Weight:	4kg
Dimensions:	250mm x 160mm 185mm
Detection:	Halogen-filled GM tube
Calibration:	Cesium-137 standard
Threshold:	Variable 2.5µSv/h - 1000µSv/h (Factory set to 7.5µSv/h)
Audible Alarm	100dB @ 1.0m Piezo-electric 2 tones
Safe Lamp	Amber xenon 1 joule, flash rate 1/sec
HazardLamp	Red xenon 1 joule, flash rate 1/sec
Battery:	12V 6Ah sealed lead acid giving ± 60 hours use 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:	110/240 ± 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 operation
Bright flashing lights
Variable pitch audible alarm
Connector for Slave Lights

OPTIONAL ACCESSORIES

+ Customised interlocking systems
+ Unlimited Slave Lights for additional perimeter lighting
+ Replaceable bulbs
+ Spare batteries

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