

## **VEHICLE MOUNT RADIATION ALARM**

- **VEHICLE MOUNTABLE • DETECTS 1mR/h in 2sec**
- **AUDIO BUZZER • RED – YELLOW – GREEN INDICATIONS**



GAMMA Radiation Alarm Unit for Vehicle with preset alarm arrangement and visual alarm.

- The monitor has an input in the form of background gamma radiation, which is sensed using internal radiation detector (Halogen quenched GM detector 7121 or equivalent without energy compensation).
- External 12V dc power supply for operation. To be derived from vehicle battery.
- GREEN Colour LED for Normal Condition indication, also indicates Power ON state.
- RED colour LED Alarm condition indication
- Audio (Piezo buzzer) available with miniature ON/OFF slide switch.
- Bright Yellow LED set at Select alarm level.
- Internal three preset limit for dose rate (1mR, 5mR & 10mR) adjustable.
- It additionally monitors its health.
- Dimensions are 95 x 65 x 35 mm (approx.)
- Vehicle mounting type casing with suitable mounting accessories.

## SALIENT FEATURES

- Industrial Microcontroller based unit with watchdog for high reliability.
- LED cluster (2 LEDs each high intensity) for Alarm / Clear condition indication.
- Alarm indication shall be as per following table.

Radiation level	Visual indication		
	GREEN	RED	YELLOW
Normal (below alarm level)	ON	OFF	OFF
Above 50% of set alarm level	ON	OFF	ON
Alarm (Above Alarm level)	ON	ON	ON
Internal fault	OFF	OFF	OFF
Power On	ON	OFF	OFF

- The EHT voltage is adjustable from 400 to 550V internally.
- The Gate Alarm Unit electronic along with radiation detector all are mounted in powder coated enclosure.
- Radiation level sensing accuracy +/- 10% of the actual intensity.
- Radiation detector GM tube.
- Time to alarm for 1 mR/h level within 2 seconds.
- Alarm Unit does not respond / malfunction due to RF interference (due to mobile sets).

## ENVIRONMENTAL SPECIFICATIONS

- Operating Temperature : -10 to 55<sup>0</sup>C
- Operating Humidity : 5 to 95% RH, non-condensing.

Cat. No. PRA-1/0809

## **PLA ELECTRO APPLIANCES PVT. LTD.**

THAKOR INDUSTRIAL ESTATE, KURLA - KIROL ROAD, VIDYAVIHAR ( WEST ), MUMBAI - 400 086  
TEL : 2511 6864 / 6865 FAX : 91-22 - 2516 8948 WEB : www.plaelectro.com E-Mail : pla@bom3.vsnl.net.in