

Introducing...

RAD ALERT



The RAD ALERT has been designed for use on industrial, manufacturing equipment, such as electron beam processors.

THE INDUSTRIAL RADIATION AREA MONITOR

The **RAD ALERT** is a self-contained, radiation area-monitoring unit capable of detecting beta, gamma, and x-ray radiation. Multiple units can be configured into a system on one machine by wiring the output contacts in series with the line safety relay. The unit also has low-level contacts that can be wired to the machine controls for alarming.

The unit compares radiation levels against high and low reference levels. The low alarm circuit ensures that the Geiger-Mueller (G.M.) tube, high voltage supply and the detection circuit are all operational.

Each **RAD ALERT** unit includes two high alarm contacts and one low alarm contact for machine control circuits. These contacts will open in the event of an alarm condition, providing fail-safe operation. One of the high alarm contacts is to be used for control system annunciation and the other is to be tied to the line safety contactor. The low alarm contact will also open in an alarm condition and can be used for remote annunciation. These contacts are reset via a key operated selector switch on the front panel.

The status of each unit is displayed on the stack light located on the top of each station. Normal condition is indicated by a constantly burning green light, low alarm by a flashing amber light and a pulsating horn, and high alarm by a flashing red light. An alarm horn is supplied as part of the stack light to provide the audible low alarm trip indication.



The RAD Alert:

- Is easy to calibrate
- Does not limit the number of probes on the machine
- Allows output contacts on multiple units to be wired in series with the line safety relay
- Includes a keyed reset switch
- Provides continuous monitoring of the unit for fail-safe protection
- Is capable of detecting high intensities of radiation without saturating while providing alarm capabilities at low radiation flux levels

Each unit contains:

- Control enclosure with stack light mounted and wired
- Probe with G.M. tube and protection housing
- Adjustable mounting bracket for probe.
- Probe pre-wired to enclosure with 10-foot coax cable

SPECIFICATIONS

Power Requirements:	115 VAC, 3 amps
Output Contacts	High Trip (Qty. 2), NC Low Trip (Qty. 1), NC
Output Contact Rating:	3 amps @ 120 VAC 3 amps @ 28 VDC resistive
Low Alarm Audio Indication	Level adjustable up to 85 dB
Size:	Height: 24" (including stack light) Width: 12" Depth: 6" (to face of reset switch)

Manufactured by:



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