

## Low level radiation detection for small to medium weigh scales, pedestrian and area monitor applications

- Plug and Play setup
- Industry leading detection technology
- Advanced ROI analysis
- Simple operation with remote service capability
- Easy to adjust alarm thresholds

# RC17WATCHDOG

## LOW LEVEL RADIATION DETECTION

### Plug and Play Setup

The RC17Watchdog will arrive ready to protect your facility. All the operator needs to do is bolt the unit to the ground and plug the system into a 87-240 Vac power supply and the RC17WatchDog is ready to go to work!

### Large Detection Surface for Many Applications

The RC17WatchDog features a large 1054<sup>in3</sup> (17.3L) of the highest grade Polyvinyl Toluene (PVT) providing a wide angle-of-view to ensure the greatest area will be scanned at all times. This system is flexible enough for many applications from all material handling and storage equipment, small to medium size weigh scales, pedestrian and general area monitoring.

### Advanced Detection Technology that is Easy To Use

Utilizing RadComm's unique ROI analysis technology ensures Low Level Radiation cannot escape the RC17WatchDog's vigilant sight! At the push of a button the operator can choose to use the system's default alarm settings or customize them to maximize sensitivity. Optional network connectivity is available with RadComm's exclusive RadView software. The RadView software provides the user with a view of the histogram for detailed analysis, logs every alarm event and has input fields for user comments.



## Size

- Detector box size: H 96.0" x W 9.0" x D 6.0"  
(H 2438.4mm x W 228.6mm x D 203.2mm)
- Detector weight: \*90 lbs (\*40.8 kgs) \*Estimated
- Large premium grade PVT detector – 1054 in<sup>3</sup>/17.3 Liters
- Display – Graphic TFT colour LCD 320x240 resolution
- Viewing area: 3.5" diagonal (9 cm)
- Insulated detector box with NEMA 4 (IP65) rating

## Electronics

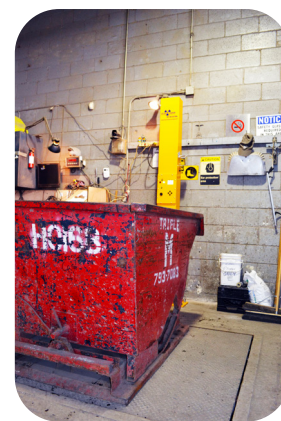
- High Signal-to-Noise ratio Integral PMT with EMI shielding
- High speed micro-controller with high speed pulse processing technology
- Audio (up to 90 dB) with Red Light/Green light and large reset button
- Stable low noise, high voltage power supply
- 87-240Vac power supply input
- Internal non-radioactive test source for detailed and repeatable checks
- Retro reflective optical sensor
- RJ45 connector
- Internal electronics operating temperature: -4°F to 131°F (-20°C to +55°C)
- Internal rechargeable battery for system backup power for up to 6 hours

## Software

- Menu driven user interface
- Selectable units of measure: CPS, Sv/h, or R/h
- Dose measurement: Sv/hr, R/hr
- Adjustable dose and ROI Alarm thresholds
- Smart mode optical sensor
- Noise reduction algorithm
- RJ45 connection for online service and support
- Internal memory to store up to 200 Alarms
- Optional PC software: RadView

## Response/Sensitivity

- Energy range: 45 KeV to 2.0 MeV
- Sensitivity: 260 cps/uCi of Cs-137 @ 1 meter
- Photon and Particle Sensitivity: X-Ray and Gamma



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