

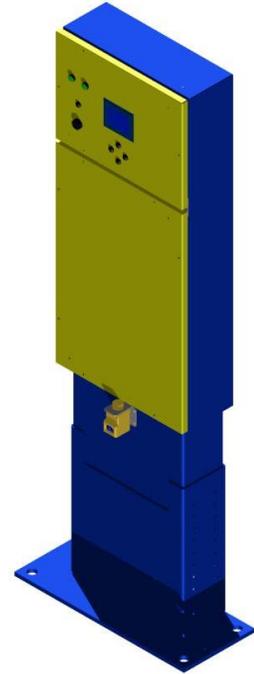
The WatchDog Radiation Detection System was designed specifically for the Scrap industry to provide the absolute highest level of radioactive source detection in real-time for small to medium size weigh scale applications. RadComm Systems is a leading provider of innovative, radiation detection solutions for the Recycling industry. RadComm Systems has for more than 20 years supplied the absolute best, industry-leading, radiation detection systems exclusively for the metals industry based on real-world designs for real-world applications.

RadComm is uniquely positioned to provide the Scrap Industry with a NEW customized WatchDog solution for monitoring small weigh scale applications for low level radioactivity. The design of the WatchDog addresses all the challenges associated with monitoring small and medium volumes of materials as they are being weighed in and out on the weigh scale.

The RadComm WatchDog detection system provides a wide angle-of-view to ensure the entire weigh scale loading points will be scanned at all times during weighing periods. The WatchDog features a large 744 in³ (12.2L) of high-grade PVT to ensure all material and storage equipment (ie: Gaylord Boxes, Tippers, Bins, etc.) are automatically scanned quickly and efficiently with the most advanced technology available for detecting low level radiation emissions.

The WatchDog will arrive on your site ready to work. The system is virtually plug and play – All the operator needs to do is plug the system into a 87-240 Vac supply and bolt it to the floor. No on-site set-up or commissioning is required.

The WatchDog comes complete with an adjustable self-supporting stand, embedded audio/visual indicators, network connection, quick reset capabilities, and an embedded large backlit LCD. On startup, the WatchDog automatically sets a series of sensitive alarm thresholds while compensating for the ambient background radiation. This allows the WATCHDOG to detect very low radiation levels even when radioactive sources are buried under recycled materials.



CUSTOMER SAFETY IS OUR #1 PRIORITY

Website: www.radcommsystems.com

RC750 WatchDog Radiation Detector Specifications

Size:

- *Detector box size: 42" x 16" x 7" (106.68cm x 40.64cm x 17.78cm)*
- *Height Adjustable: From – 60" tall to 73-1/2" tall (1.52 meter to 1.87 meter)*
- *Detector Weight: *200 lbs (*90.7 kgs) *Estimated*
- *Large Premium Grade PVT Detector – 744 in³/ 12.2 Liters*
- *Display – Backlit RGB Colour LCD 320x240 resolution*
- *Viewing area: 2.7"x2.1" (68.9mm x 53.3mm)*
- *Insulated Detector Box with Nema 4 (IP 66) rating*

Electronics

- *Hi Signal to Noise Ratio Integral PMT with EM Shielding*
- *High Speed Micro-Controller with High Speed Pulse Processor*
- *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)*

Software

- *Menu Driven User Interface*
- *Selectable Units of Measure: CPS, uSv/h, uR/h*
- *RJ45 connection for Online Service and Support*
- *Smart Mode Optical Sensor*
- *Noise Reduction Software*

Response/Sensitivity

- *Energy Range: 30 KeV – 2.0 MeV*
- *Sensitivity: 12cps/uCi of Cs¹³⁷ @ 1 Meter*
- *Photon and Particle Sensitivity: X-Ray and Gamma*
- *Adjustable Alarm Level with auto compensating ambient background radiation adjustment*