Designed to provide radiological control for pedestrians

- Performs dynamic measurements of pedestrians that pass in front of the detector at points of entry or exit
- Utilizes RadComm's high quality specially prepared scintillators, electronics and PMT
- User-friendly graphical interface
- Easy to install and operate
- Available in different configurations using PVT, NaI and Neutron detectors
- Complies with ANSI N42.35-2016

RC-PEDESTRIAN

PEDESTRIAN RADIATION DETECTION SYSTEM

Accurate Detection of Radioactivity in Pedestrian Applications

The RC-Pedestrian radiation detection system has been designed to detect gamma and/or neutron emissions. The RC-Pedestrian is easy to operate by performing dynamic measurements of pedestrians that pass in front of the detector. The RC-Pedestrian is ideal for nuclear power plants, homeland security and industrial applications.

Simplified System Operation

The RC-Pedestrian utilizes real-time statistical algorithms that are based on gamma energy distribution to ensure alarm thresholds levels are optimized. The RC-Pedestrian utilizes a user-friendly graphical interface allowing the operator to easily navigate through the wide range of options. The system uses different colors to notify the operator about its current operation. All the detailed Clean Scan, Testing and Alarm records are stored on the internal hard drive and can be easily retrieved and reviewed as required.

System Normal

Remote System Access

The RC-Pedestrian controller is equipped with a network adaptor that allows remote monitoring, data retrieval and maintenance functions. The internal software and hardware designs are extremely flexible allowing remote software updates and electronic hardware adjustments when necessary. Supervisors can monitor the system operation in real-time to ensure normal system operation is maintained. In addition, with a network connection the system has the capability of emailing alarms and system malfunctions.

Motion Detected

RC-Pedestrian Series Components

- Detector assembly
- RadLink embedded controller
- Smart Infrared motion sensors
- Large touchscreen monitor
- Remote communications package (Optional)

RadLink Controller Features

- Large touchscreen LCD monitor
- Large storage capacity for system operational information and alarms
- Easy to follow multilingual menu outlines and descriptions
- Multi-level security password control
- Detailed alarm and scan data storage
- Easy to set alarm configuration menu
- Network access for remote service and monitoring
- Radiation measurement levels are user-defined to display between Counts (CPS), Dose Rate (Sv) or Exposure Rate (μR)
- Internal operating temperature displayed in Celsius or Fahrenheit
- Adjustable audio alarm
- Counter for number of scans in a 24-hour period for incoming and outgoing scans
- Detailed alarm information displayed and stored after every alarm
- Configurable email reporting

System Configurations

- 1 or 2 detector panels (RC-Pedestrian-1P or RC-Pedestrian-2P)
- Neutron
- NaI Sodium Iodide crystal scintillator (for isotope identification)
- Mixed/Hybrid PVT/NaI

Detector Features - 1P

- Large 34.5L premium grade PVT scintillator
- Low density shield on face of detector panel
- Dual layer thermal insulation protection (-20°C/-4°F to 55°C/131°F)
- High signal to noise ratio PMTs (up to 2)
- High speed micro-controller
- Dual input high speed pulse processor
- Noise reduction hardware/software
- Background characterization for variable ambient background suppression
- 8 output drivers (24VDC@50mA) for remote indicators
- Internal non-radioactive test source for detailed and repeatable system checks
- 24VDC input voltage @1.5A
- System auto-stabilization & remote calibration
- Optional Neutron and NaI operation

Options

- Camera
- External alarms
- Supervisory software

Response/Sensitivity

- Energy range: 20KeV to 3.0MeV (incident)

Enclosure

- Available in different color options (contact RadComm for details)

RADCOMM
RADIATION DETECTION SYSTEMS

Corporate Head Office
Scott Aikin
Saikin@radcommsystems.com
Jeff Adams
jadams@radcommsystems.com
2931 Portland Drive
Oakville , ON Canada L6H 5S4
Tel. +1 (905) 829-8290
Toll Free. 1 (800) 588-5229
Fax. +1 (905) 829-1406

USA
Joshua Hunter
jhunter@radcommsystems.com
602 E. Lincolnway Ave.
Valparaiso, IN USA 46383
Tel. +1 (773) 680-8430
Toll Free. 1 (800) 588-5229
Fax. +1 (219) 510-5764

Europe
Wim van Hove
wim.van.hove@radcommeurope.com
Watertorenweg 32, 2230 Herselt, Belgium
Tel. +32.14.75.02.13
Fax. +32.14.75.02.16

India
Neelakshi Bhargava
neelakshi@radcommsystems.co.in
C-34, Ground Floor, Sawan Park, Ashok Vihar
New Delhi 110052, India
Tel. +91-9717671924
Fax. +91-9818650118