



Radon Switch

Model: RANDFAN-SX

**RANDFAN-SX, Radon
Switch Detector and
Electronics**

Applications

TA's RANDFAN-SX Radon Switch includes a radon sensor for activation of and/or controls Radon mitigation fans. It is a sensitive, rugged, instrument for detection and measurement of airborne radon. The RANDFAN-SX will trigger radon mitigation fans, close or open air vents, and/or alert staff. Inlet and outlet hoses allow monitoring room air or the interiors of fume hoods, exhaust stacks, etc.

Features

- The Randfan-SX Will Trigger Radon Mitigation Fans, Close or Open Air Vents, and/or Alert Staff.
- Detects Radon and Automates Radon Mitigation System
- Protects Staff and Clients; Saves Electricity
- Range: 0.1-600 pCi/L
- Units - PicoCi/L (PicoCurries per Liter).
- **Optional:** Total Daily Dose
- Programmable Digital Readout
- **Optional:** Remote Data Download – FM-9 Electronics
- AC Operation with Battery Backup
- Internal Data Storage
- Built-in High-level Alarm
- Use with Portable PC AS 1 Year Data Buffer
- User Settable Trip Point
- Available with Bacnet Compatible Communications

**Optional: Multi Area RANDFAN-SX System Includes
Data Output with Time and Date Stamp**

Description

The RANDFAN-SX Radon operates as a simple stand-alone radon sensor controller to activate Radon mitigation fans and devices, fan controller, and alert staff.

The RANDFAN-SX will measure airborne radon as free Radon gas (with or without Radon Daughters at user's option) below 1 pCi/l. All data is stored.

- Verifies Need for Radon Mitigation Devices
- Wide Range - Digital Accuracy
- Sensitive for Occupational Exposure
- Flashing LED for Each Radon Pulse - **Optional** Audio Signal
- Built-in Computer Interface

All instruments are calibrated by accredited lab. User friendly calibration software is provided.



**TECHNICAL ASSOCIATES
OVERHOFF TECHNOLOGY**

7051 ETON AVENUE, CANOGA PARK, CALIFORNIA 91303

PHONE: 818-883-7043 | FAX: 818-883-6103

SALES@USNUCLEARCORP.COM | TECH-ASSOCIATES.COM | USNUCLEARCORP.COM

DIVISIONS OF



USNUCLEARCORP

OTCQB-UCLE

Radon Switch

Model: RANDFAN-SX

Specifications RANDFAN-SX

- **Ranges:** Large, easy to read digital LED readout. 0.1 to 2,000 pCi/L
- Smoke, Dust and Ion Elimination: Filter and deionizer reduce effects to negligible level.
- Detectors: 4 Ion Chambers: 200 milliliters each total: 800 milliliters
- Circuit: Electrometer circuit amplifies 800 ml radon internal chamber.
 - » **Optional:** 1 liter chamber.
- Alarms: Low Air Flow / Alarm High Level Alarm: Red Lamps and Audio Alarm.
- Front Panel Controls: Off-On, Range Switch, Calibrate Switch.
 - Alarm Set Button, Alarm Reset Button.
 - » **Optional:** Tamper Proof Control Panel
- Temperature: 50° F to 95° F (10° C to 35° C)
- Relative Humidity: 20% to 80%
- Calibration: Internal calibration with Radon gas.
- Computer Port: RS-232 serial port is built in (fully addressable).
- Relay Switch: Activation of mitigation devices and actions.
- Case: Rugged, weatherproof.

Optional: Electronics FM-9 for Remote Data Download:

- Digital Display (In Any Units – User Settable)
- Single Channel; **Optional:** Additional Channels
- Bench Top; **Optional:** Wall Mount
- High Sensitivity
- Real Time Alarm (User Settable)
- AC Power; Plug in FM-9 Modular System
- On-Board Data Archive and Retrieval
- Local or Remote Monitoring
- User Settable Audio / Visual Alarm
- USB and Ethernet Ports
- Temperature: 50° F to 95° F (10° C to 35° C)
- Relative Humidity: 20% to 80%



FM-9 Electronics

Multi-Area RANDFAN-SX System:

- 2 or More RANDFAN-SX
- Fan Controller

Options

- Multi-Inlet Remote Display
- Manifold With Time Share Controller



TECHNICAL ASSOCIATES OVERHOFF TECHNOLOGY

7051 ETON AVENUE, CANOGA PARK, CALIFORNIA 91303

PHONE: 818-883-7043 | FAX: 818-883-6103

SALES@USNUCLEARCORP.COM | TECH-ASSOCIATES.COM | USNUCLEARCORP.COM

DIVISIONS OF



USNUCLEARCORP

OTCQB-UCLF

Radon Switch

Model: RANDFAN-SX

Electronics

Randfan-SX

- **Stand Alone System Excluding handle:** 7" W x 11.25" H x 7.5" D (14.7 cm x 28.6 cm x 19.0 cm)
- **Wall Mount System:** 4.5" D x 10" H x 10" W (11.4 cm x 25.4 cm x 25.4 cm)
- **Weight:** 12 lbs (5.4 kg)
- **Power:** 100-240 VAC
- **Battery Backup:** 10 Ah Rechargeable Battery; 24 hours between charges. (Standard)

Dimensions and Weight

FM-9 Electronics


- **Bench Mount:** 11" W X 11" H X 11" D (18 cm x 18 cm x 18cm).
- **Optional:** Wall Mount
- **Weight:** 8 pounds (3.6 kg)
- **Power:** 105-125 volts, 50-60 Hz (**Optional:** 220 V)

Accessories and Options

- **RAL-3A:** Remote Alarm (audible and visual)
Model RAL-3A (includes 25 ft. of cable).
 - » **Optional:** 500 ft Cable.
- **HTR-7:** Heated Ion Chamber
- **WIN-W:** Win-Wedge data logging software for users PC.



TECHNICAL ASSOCIATES
OVERHOFF TECHNOLOGY

DIVISIONS OF
 **US NUCLEAR CORP**

7051 ETON AVENUE, CANOGA PARK, CA 91303 | 818-883-7043 | F: 818-883-6103
RGOLDSTEINTA@USNUCLEARCORP.COM | TECH-ASSOCIATES.COM | USNUCLEARCORP.COM