rad-DX™

Wireless Mesh Networked Radiation Detector

DUAL VERSION

FEATURES

D-tect SensorNet (mesh network) equipped - automatic connections between all Rad-DXs within 1000 m

Integrates with your local network integration via encrypted WiFi or Ethernet

Control and monitor on Tablet or PC

Integrated floorplan design shows the radiation source

Mounts on standard smoke detector fixture

Blends into public areas - small, lightweight, and innocuous

IP65 rated (sealed against dust and rain)

Radiation detection in less than 1 second

Sensitive Dose Rate and Total Dose measurement and recording
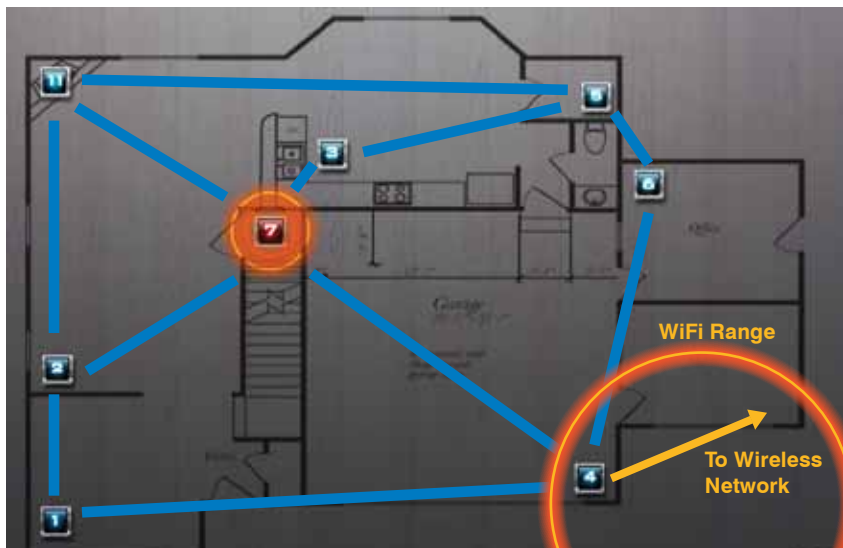
Directionality detection available

D-tect SYSTEMS™

www.dtectsystems.com

COMMUNICATION

The Rad-DX operates on the new D-tect SensorNet - an automatic communication network that allows users to monitor a full network of Rad-DXs as long as they are in range of a single Rad-DX system! The Rad-DX units will automatically form an intelligent, self-healing mesh network, allowing them to be constantly connected to each other as well as to the user network.

D-tect SensorNet

CONTROL & MONITOR BY TABLET/PC

Each Rad-DX can be controlled and monitored by a PC on the network or across the internet on any Tablet or remote PC. 128-bit encryption protected. Monitoring can be real-time or past event logs can be reviewed.

RADIATION DETECTION

Like the rest of the D-tect radiation products, a sensitive scintillation detector allows the Rad-DX to detect even faint sources of radiation within 1 second. Directionality is also available so you can track the motion of radiation threats.

INTUITIVE INFORMATION DISPLAYS

Monitor Rad-DXs on floor plan or map displays providing an intuitive understanding of the location of a radioactive source. Dose rates can be viewed in multiple graph formats.

RAD-DX SPECIFICATIONS

Radiation Detectors	1 - 4 large cesium iodide scintillation crystals
Communication	D-tect SensorNet, WiFi, Ethernet, USB
Power	120/240V AC, 50/60Hz
Detection Speed	Less than 1 second
Energy Range	59 keV - 2 MeV
Calibration	Automatic
Dose Rate Range	1 - 50,000 μrem/hr
Dose Rate Linear Error	+/-10%
Units	mrems/hr, μSv/hr, μR/hr
Dimensions	5.97" x 5.92" x 1.75" (15.2 cm x 15 cm x 4.4 cm)
Weight	Under 1 lb (0.45 kg)
Environment	IP65 rated for indoor/outdoor operation

D·tect SYSTEMS