

MULTIPLE DETECTOR EXIT AND VEHICLE MONITOR

Model # WA-2X2m8N
Model # WA-2X2m8PN

FEATURES:

- EXIT MONITOR
- VEHICLE MONITOR
- SCINTILLATION DETECTOR SYSTEM
- DETECTS FISSILE MATERIAL, GAMMAS and NEUTRONS

WA-2X2m8N using (NaI(Tl) or BGO scintillator plus Neutron Scintillation are members of Technical Associates rate-of-change based monitoring systems designed for checking SNM content of persons, packages, or vehicles passing through doorway or gateway.

Model **WA-2X2m8N** and **WA-2X2m8PN** differ from the basic WA-2x2 by having 2, 4, or 6 scintillation detector assemblies, tuned for the Pu-239 and U-235 gammas, and the addition of Neutron Scintillation detectors mounted on posts beside roadway, in overhead structures, on either side of a door or gateway, or in underground coffins below the roadway.

They include computer software configured for:

1. Time and date of passage.
2. Net-after-background-subtraction reading in the Pu-239 and U-235 windows.
3. Alarm if preset activity is exceeded.
4. Activation for "Safe to Proceed" signal.
5. Have extra capacity for accepting information from outside source as to vehicle I.D., weight of vehicle, cargo of vehicle and source of vehicle. (vehicle monitor only)

Also included, for vehicle monitor, are sensor systems for roadway space occupancy and optionally a driver I.D. reader and transmitter.

Detectors are contained in rugged, splash proof NEMA-4 cases with directional shielding.

Detectors are mounted ordinarily in posts beside roadway or on either side of a door or gateway. Drawing for recommended post and installation are included in the instrument package. Actual post furnishing and mounting are the responsibility of the purchaser.



Figure 1: WA-2X2m8N

T**A** **TECHNICAL ASSOCIATES**
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\$Revision: 1.2\$

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SPECIFICATIONS

Cases: Weather-tight NEMA rated steel cases.
Dimensions: Control Alarm Module - 9" x 14" x 18" plus 3" light dome.
Detectors - 6" x 6" x 18".
Shipping Weight: 65 lbs.

OPTIONAL ACCESSORIES

Check Source: CS-4, uranium source, license exempt.
Additional Relay: 5A SPDT to operate other circuits (3 total).
Additional Remote Alarm: RAL-3W flasher siren.
Options: BGO Crystals.
220V, 50-60Hz.
7-day separate Battery Back-up.
Additional Detectors.
Alternate detectors 8" x 10" x 2" plastic scintillators.
Specific detectors eg for plutonium.



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