



**AM-255**  
Alarm monitor

## Description

Alarm monitor model AM-255 is a battery powered, remote monitor unit used with TSA's pedestrian and vehicle portal monitors. The AM-255 provides both audible and visual alarm indications for radiation alarms, low and high background alarms, and tamper conditions. Parallel relay outputs are provided to permit interfacing with existing alarm systems. The AM-255 may be located up to 300 ft (100m) from the farthest pillar to be monitored.

A test button is provided to check the operation of the lamp(s) and audio circuits. An acknowledge button silences the audio and clears the lamp(s). If the alarm is not acknowledged, the lamp(s) will follow the system's status.

The AM-255 operates from an internal battery which is continuously charged from the ac line. If ac power is lost, the battery will provide more than 12 hours of continued operation.

One AM-255 will monitor two systems or two SC-755 controllers.

The AM-255 is controlled by a programmable logic device. This allows the flexibility to provide custom operation for special applications.

### CONTROLS AND INDICATORS:

- Four lamps per pillar
- Power LED
- SONALERT audio annunciator
- Internal jumper selects either blinking or steady lamps
- Lamp test and alarm acknowledge switches
- Key switch is provided to disable the audio alarm

## Specifications

### Model AM-255 SPECIFICATIONS

- DISPLAY: 4 alarm indicator lamps (LEDs) per pillar being monitored; one systems ready LED, one power on LED
- POWER REQUIREMENTS: 90 - 250 Vac, 47 - 63 Hz, less than 50 VA provides power to charge the internal, 12 volt, 7 Ah sealed lead-acid battery pack
- BATTERY LIFE: Greater than 12 hours of normal operation
- DIMENSIONS: 7.5" h x 8.375" w x 8" d (19 x 21 x 20cm)
- WEIGHT: ≈15 lb (6.8kg)
- ENVIRONMENTAL: -30° to 122°F (-34° to 50°C), designed for use in a sheltered area

#### Special Features:

- CONTROLS: Momentary contact alarm acknowledge switch, key lock switch, and lamp test switch
- CONNECTIONS:
  - Power: Standard, three pin, U.S. 115 Vac power connector
  - Input: One 4 pin, quick connect type terminal strip per system
  - Output: One 12 pin, quick connect type terminal strip per system
- OUTPUT RELAY CONTACTS: Maximum 0.6 amp at 120 Vac

## Applications

Alarm monitor model AM-255 is a remote display indicator designed to be used with TSA's PM-700 series pedestrian portal monitors, VM-250 series vehicle portal monitors, and the NVM-245 neutron radiation vehicle portal monitor.

The AM-255 may be located up to 300 ft (100m) from the portal monitor.

A programmable logic device controls the AM-255, allowing custom operation for special applications.