



A Division of:  
Light Engineered Displays, Inc.  
109 Portwatch Way  
Wilmington, N.C. 28412  
Phone: (800) 251-2512  
Fax: (800) 251-9878  
Internet: www.ledinc.com  
Email: sales@ledinc.com

**AMC-5107**  
**LEAK /LEVEL / VAPOR**  
**MONITOR**

**AMC**  
SERIES

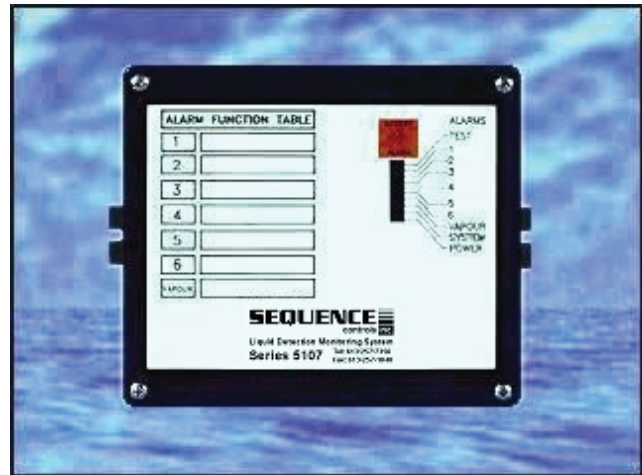
## General Description

The AMC-5107 offers all of the features you need for your basic leak and level detection applications. It works with all of the standard 5000 series liquid sensors and F4000 vapor sensor.

The AMC-5107 is suitable for large or small scale tank and piping installations, for secondary containment and interstitial monitoring, and for fuel oil storage or bulk water tanks. Wherever the possibility of leaking petroleum liquid, vapor or water can occur, and for level monitoring, trust the AMC-5107 for worry-free performance.

## Features

- Easy to wire
- Can be powered from 12VDC or 10VAC
- Level monitoring, leak detection
- Multiple sensor input capability
- Programmable internal relay
- 6 liquid zones, Intrinsically Safe
- 1 vapor zone, non I-S
- Two stage self-test
- Relay (dry contacts) can be set normally energized. Rated 5A @ 250VAC/30VDC
- Specific channels can be tied to relay
- Front panel label for sensor locations
- Alarm acknowledge (as on AMC-5100)
- Acknowledged audio alarm will reactivate after a 2 hour delay



For liquid substance monitoring:  
Petroleum, alkalines, acids, water, etc...

## Benefits

- Affordable, low priced
- Reduces insurance coverage
- Very effective for small installations
- Capable of a wide variety of applications
- No documentation needed to find sensor location
- Will reset on power failure conditions
- Only have specific channels trigger relay for selective alarming ability (i.e. Shut down on petroleum leak, not on water).

## Specifications

---

- **AMC-5107 Monitor Unit**  
*Dimensions:* 6.125"W x 4.25"H x 2.0"D  
(15.5cm W x 13.5cm H x 6.5cm D)  
*Enclosure Material:* PVC
- **Power Requirements**  
*Main Power:* 12 VDC or 10 VAC @ 300 mA max  
for an external Class 2 transformer or adapter.
- **Liquid Section Features**  
*Monitoring Capability:* 6 channels / zones.  
*Protection Circuit:* Diode/resistor / fuse IS barrier.  
*Detectable Liquids:* Water, petroleum-based  
products, alkalies, some acids, etc. (consult  
factory).
- **Liquid Sensor Types**  
*Normally Open circuit* (5000 series, 5008, 5010  
series, 5014P, 5015, 5020 and 5025).  
*Normally Closed circuit* (5010 reversed, 5016,  
5016P and 5025).  
*Dual N/O & N/C circuit* (5002B, 5007, 5011, 5017)
- **Note:**  
The 5020 probe can be used with a reconfigured  
5107 monitor, via the water / petroleum select  
jumpers.
- **Vapor Section Features**  
*Monitoring Capability:* 1 channel / zone.  
*Detectable Vapors:* Petroleum based products.  
*Sensor:* F4000 with V403 transmitter module.
- **Indicators and Alarms**  
*Power Indicator:* 1 Red LED bar.  
*Liquid Alarm Indicators:* 6 Red LED bars.  
*Vapor Alarm Indicators:* 1 Red LED bar.  
*Test Indicator:* 1 Red LED bar.  
*System Failure Indicator:* 1 Red LED bar.  
*Alarm Acknowledge Switch:* External (front panel).  
*Audio Alarm Buzzer:* Internal
- **Output**  
One SPST relay, common to all channels.
- **Operating Temperature Range**  
0 to +40 °C (+32 to +104 °F)
- **Warranty**  
*System Components:* 1 year, parts and labor  
(subject to standard LED terms and conditions).

---

**IMPORTANT:** LED products should be used in compliance with applicable federal, provincial, state and local laws and regulations. Product selection should be based on physical specifications and limitations and compatibility with the environment and materials to be handled. **LED MAKES NO WARRANTY OF FITNESS FOR A PARTICULAR USE.** All information and specifications in the literature are based on the latest product data available at the time of publication. LED reserves the right to make changes at any time in price, materials, specifications and to discontinue models without notice or obligation.

---