



A.T. Monitors

A leader in leak detection and level monitoring equipment

ATI-6107 Leak/Level Monitor (preliminary)

The ATI-6107 is a compact full service monitor designed to interface with any Normally Open or Closed liquid sensors, notify you of any leaks or spills immediately and provide optional liquid level display. The real-time response of this monitor allows you to avoid costly cleanups or interruptions in service, helping to protect your investment and the environment.

It's the first monitor of its kind to provide simple installation and DIP switch setup, intrinsically safe (IS) sensor inputs, and complete environmental protection to a level of IP66 (NEMA-4X). These features, and an optional plug-in LCD display module, offer amazing versatility and ease-of-use not found among comparable products on the market.

Liquid Detection Circuit

Each sensor is wired to a numbered channel. When liquid makes contact with or activates a sensor, the assigned channel goes into alarm. This causes the channel's LED to light up and sound an alarm.

Monitoring Capability: 6 channels/zones capable of monitoring any number of sensors in each zone.

Protection Circuit: Diode/resistor/fuse IS barrier on each channel.

Fuse Type and Rating: 6 Nano^{2®} SMF fuses, 1/8A (Littelfuse #0451.125).

Detectable Liquids: Refer to sensor data sheets for types of liquids.

Indicators, Alarms and Features

Power Switch: On-board SPST slide switch.

Power Indicator: Green LED.

DIP Switches: Provide easy configuration of sensor type, buzzer activation, buzzer volume (loudness) and latching relays.

Test Switch: Miniature TACT switch activates the system test function.

Liquid Alarm / Latched Relay Indicators: 6 bi-color LEDs indicate alarm and relay conditions with different colors:

- Orange when in alarm.
- Green when relay is latched but alarm not present.

Audio Alarm Buzzer: 88dB (H) or 75dB (L) @ 60cm (2 ft), 3kHz, NEMA-4X.

Alarm Acknowledge Switch: External pushbutton on right side, near front.

Reset Switch: External pushbutton on right side, near mounting surface.

Relay Outputs

The ATI-6107 has 6 relays which can provide notification of critical conditions about liquid leaks to remote locations or control pumps, dispensers or any other external device.

Relays: Six (6) SPDT relays, one per channel.

Contacts: Rated up to 8A resistive, 3.5A inductive @ 250VAC/30VDC.



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Alarm Acknowledge Switch

The acknowledge button silences the alarm buzzer but leaves the LED indicator on to remind the attendant of a potential leak or alarm level.

Reset Switch

The reset button is used to un-latch activated relays and return the monitor to normal operating mode after any alarm conditions have been corrected. Reset will not work as long as there is an alarm condition present.

Optional LCD Level Display Module

An optional plug-in LCD display module allows use of the ATI-5029 probe for liquid level measurement. The module is available with or without Hi and Low alarm levels for the probe.

NOTE: With Hi and Low alarms, only IS channels 1 to 4 are available for liquid sensors. Channels 5 and 6 are now used for the probe's Hi and Low alarm outputs.

Mounting and Accessibility

The ATI-6107 can be mounted on any flat surface, under counters, in kiosks or other small area for ease of access and visibility.

Power Requirements

Main Power: 12 to 24 VDC @ 1A max.

Dimensions

H 7.1"/18cm x W 7.2"/18.3cm x D 3.55"/9cm.

Enclosure Material: Polycarbonate.

Protection Rating: IP66 (NEMA-4X).

Operating Conditions

Temperature Range (standard): -20 to +60 °C (-4 to +140 °F).

Temperature Range with display module: 0 to +50 °C (+32 to +122 °F).

Relative Humidity: Up to 50% @ 40°C (104°F) max.

Warranty

One (1) year, parts and labour, subject to standard Armstrong Technologies' terms and conditions.

COMPATIBLE SENSORS

5005 Series Water Sensors

5007B – Dual Liquid Sensing Cable

5008 – Vacuum Sensor

5010 – Liquid Level Float Sensors

5010S – Sump Brine Sensor

5010W – Interstitial Leak Sensor

5016 Series Petroleum Sensors

5025 – Water Detection Cable

REMOTE ALARM



For monitoring and acknowledging at non-hazardous remote location, A.T.Monitors offers the ATI-RAM1-RLV.

For more information, visit www.atmonitors.com or talk to a qualified agent.