



A.T. Monitors

A leader in leak detection and level monitoring equipment

ATI-6107GS GENSET/Leak/Level Monitor Panel

The ATI-6107GS is a full service monitor configured for use with an ATI-5020 4-level probe, connected on channels 1 to 4, for monitoring the liquid level in the day tank. Two additional Normally Open or Normally Closed sensors can be connected on channels 5 (see next paragraph) and 6 for leak detection.

The numeric LED display provides level measurement from an ATI-5029 probe in the supply tank. If LO and HI alarm outputs are required, they will be connected in common to channel 5.

NOTE: This unit is for GENSET application with some DIP switches preset and sealed to prevent changes. The test switch has also been removed for proper operation.

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 environmental protection to a level of NEMA-4X (IP66). Operating from 12 to 24 VDC, this monitor can be used in remote locations using solar or wind power.

Liquid Detection Circuit

Monitoring Capability: ATI-5020 probe on channels 1 to 4. ATI-5029 probe on separate terminal block. Other sensors on channels 5 and 6, for leak detection.

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

Fuse Type and Rating: 6 Nano² 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: Blue LED.

DIP Switches: Provide easy configuration of sensor type (channels 5 and 6 only), buzzer activation (channels 1, 4, 5 and 6) and buzzer volume (loudness).

Liquid Leak & Level / Latched Relay Indicators: 6 bi-color LEDs indicate level detection and relay conditions with different colors:

- Red when level or leak detected.
- Green (channel 3 only) when relay is latched but level no longer detected.

Audio Alarm Buzzer: 90dB (H) or 75dB (L) @ 60cm (2 ft), 3kHz, NEMA-4X.

Alarm Acknowledge Switch: External sealed toggle switch on right side.

NOTE: If alarms are required for the ATI-5029 level display, they will be connected in common to channel 5.



IMPORTANT: All Armstrong Technologies Inc 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. **Armstrong Technologies MAKES NO WARRANTY OF FITNESS FOR A PARTICULAR USE.** All information and specifications in this literature are based on the latest product data available at the time of publication. Armstrong Technologies reserves the right to make changes at any time in prices, materials, specifications and to discontinue products without notice or obligation.



This device is FCC exempt from EMC testing according to Section 15.103 of the rules.

A.T. MONITORS
A division of Armstrong Technologies Inc.

14 Birch Drive
Kemptville, Ontario
K0G 1J0, CANADA

Phone: 613-258-5225
Fax: 613-258-2698
E-mail: info@atmonitors.com
Internet: www.atmonitors.com

Relay Outputs

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

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

Channel 1 is "overflow", 2 is "pump off", 3 is "pump on" and 4 is "generator off (tank empty)". Channels 5 and 6 can provide notification of critical conditions about liquid leaks at remote locations, dispensers or any other external device.

Alarm Acknowledge Switch

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

Mounting and Accessibility

The ATI-6107GS 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 @ 500mA.

Dimensions

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

Enclosure Material: Polycarbonate.

Protection Rating: NEMA-4X (IP66).

Operating Conditions

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

5020 4-level Probe (channels 1 to 4)

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

5029 – Level Measurement Probe

REMOTE ALARM



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

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