



# A.T. Monitors

A leader in leak detection and level monitoring equipment

## ATI-5010 Liquid Level Float Sensor

The ATI-5010 Liquid Level Float Sensor detects rising or lowering levels of liquid at a single location. A change in liquid level at the sensor will move the float and trip an internal switch, activating an alarm and/or indicator at the monitor. Refer to page 2 for various configurations and accessories.

### Detectable Liquids

Water, petroleum products (i.e. gasoline, diesel, waste oil), chemicals, dairy, beverages, and many other liquids.

### Sensor

Immersion type sensor consisting of an internal switch activated by a reversible, movable float (This is a non energy storing passive device).

*Circuit:* Normally Open (Normally Closed with float reversed).

*Material:* Acetal (for all wetted parts).

### Dimensions

*Float switch sensor:* L 2.1"/51mm x Dia. 1.0"/25mm.

*Tank-mount housing:* 1-1/4" NPT male mounting thread.



**IMPORTANT:** This passive device must be used with an Armstrong Technologies Inc (or compatible) liquid monitor, or an approved zener diode IS barrier and 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.



### COMPATIBLE MONITORS



ATI-5100



ATI-6107



ATI-1503 Series

### Operating Temperature Range

*Water:* 0 to +60 °C (+32 to 140 °F).

*Other:* -40\* to +60 °C (-40\* to +140 °F).

\* Depends on freezing point of the liquid and/or "pour-point" rating (i.e.: P-30 liquid freezes below -30°C).

Manufacturer rated up to +90°C.

### Electrical Rating

80 mA @ 120 VAC, 60 Hz, resistive.

40 mA @ 240 VAC, 60 Hz, resistive.

500 mA @ 24 VDC, resistive.

### Response Time

Instantaneous (depends on rate of change of level).

### Repeatability

Excellent, even after repeated immersions.

### Installation Wiring

2 to 6-conductor shielded cable (2 conductors per level).

### Warranty

One (1) year, limited warranty.



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## ATI-5010 Configurations and Accessories

The ATI-5010 liquid level float sensor is available in various configurations with up to three (3) separate levels of detection. Each sensor assembly can be mounted on any side wall of a sump or well (using the angle bracket), or through the top of a storage tank. Some standard configurations and accessories are shown below.

An optional conduit wiring housing (not shown) features a 1-1/4" NPT thread for mounting into a tank fitting or reducer, and a 1/2" NPT thread for conduit. A sump or slosh guard housing is also available. Contact A.T.Monitors for any of these options.



ATI-5010B-0:  
Basic single switch, with  
side-mount bracket.



Tank-mount cable wiring  
housing, 1-1/4" NPT.



Side-mount bracket



ATI-5010B-12:  
Single level sensor, with  
side-mount bracket.

The part number suffix  
string indicates depth of  
each sensor float switch.

*Example :*  
**ATI-5010T2-12-24**  
is a tank-mount, 2-level  
unit with sensors at 12 and  
24 inches.



ATI-5010T2-12-24:  
2-Level sensing, with  
tank-mount wiring housing  
(see example at left for  
part number).



ATI-5010T3-xx-xx-xx:  
3-Level sensing, with  
tank-mount wiring housing.